

Systematic Review on Long-Term Localization and Mapping for Mobile Robots (/sousarbarb/a-systematic-review-on-long-term-localization-and-mapping-for-mobile-robots/)

[Review \(/sousarbarb/a-systematic-review-on-long-term-localization-and-mapping-for-mobile-robots/\)](#)

[Planning \(/sousarbarb/a-systematic-review-on-long-term-localization-and-mapping-for-mobile-robots/planning/\)](#)

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[Reporting \(/sousarbarb/a-systematic-review-on-long-term-localization-and-mapping-for-mobile-robots/reporting/\)](#)

1. Search (/sousarbarb/a-systematic-review-on-long-term-localization-and-mapping-for-mobile-robots/conducting/search/)

2. Import Studies (/sousarbarb/a-systematic-review-on-long-term-localization-and-mapping-for-mobile-robots/conducting/import/)

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5. Data Extraction (/sousarbarb/a-systematic-review-on-long-term-localization-and-mapping-for-mobile-robots/conducting/extraction/)

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Study Selection

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<input type="checkbox"/>	Bibtex Key	Title	Author	Journal	Year	Added by	Added at	Status
<input type="checkbox"/>		NYU-VPR: Long-Term Visual Place Recognition Benchmark with View Direction and Data Anonymization Influences	D. Sheng and Y. Chai and X. Li and C. Feng and J. Lin and C. Silva and J.-R. Rizzo	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>		A visual bag of words method for interactive qualitative localization and mapping	D. Filliat	None	2007	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>		A study on wearable robotics — Comfort is in the context	D. C. Herath and T. Chapman and A. Tomkins and L. Elliott and M. David and A. Cooper and D. Burnham and S. Kodagoda	None	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>		Mobile robotics in the long term-exploring the fourth dimension	D. Austin and L. Fletcher and A. Zelinsky	None	2001	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>		Comparison of Two Image and Inertial Sensor Fusion Techniques for Navigation in Unmapped Environments	C. N. Taylor and M. J. Veth and J. F. Raquet and M. M. Miller	IEEE Transactions on Aerospace and Electronic Systems	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>		Active SLAM in structured environments	C. Leung and S. Huang and G. Dissanayake	None	2008	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>		Past, Present, and Future of Simultaneous Localization and Mapping: Toward the Robust-Perception Age	C. Cadena and L. Carlone and H. Carrillo and Y. Latif and D. Scaramuzza and J. Neira and I. Reid and J. J. Leonard	IEEE Transactions on Robotics	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>		BundleTrack: 6D Pose Tracking for Novel Objects without Instance or Category-Level 3D Models	B. Wen and K. Bekris	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
		Information-based Active SLAM via topological feature graphs	B. Mu and M. Giambou and L. Paull and A.-A. Aghamohammadi and J. Leonard and J. How	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
		DynaSLAM: Tracking, Mapping, and Inpainting in Dynamic Scenes	B. Bescos and J. M. Fácil and J. Civera and J. Neira	IEEE Robotics and Automation Letters	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
		Natural landmark-based monocular localization for MAVs	A. Wendel and A. Irschara and H. Bischof	None	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
		Dynamic pose graph SLAM: Long-term mapping in low dynamic environments	A. Walcott-Bryant and M. Kaess and H. Johannsson and J. J. Leonard	None	2012	sousarbarb	17 May 2022 15:24:45	Duplicated
		Enabling persistent autonomy for underwater gliders through terrain based navigation	A. Stuntz and D. Liebel and R. N. Smith	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
		Graph Optimization Methods for Large-Scale Crowdsourced Mapping	A. Stoven-Dubois and A. Dziri and B. Leroy and R. Chapuis	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
		Loop closure detection by compressed sensing for exploration of mobile robots in outdoor environments	A. N. Ravari and H. D. Taghirad	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
		Dense multi-planar scene estimation from a sparse set of images	A. Argiles and J. Civera and L. Montesano	None	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
		Active Vision for Door Localization and Door Opening using Playbot: A Computer Controlled Wheelchair for People with Mobility Impairments	A. Andreopoulos and J. K. Tsotsos	None	2008	sousarbarb	17 May 2022 15:24:45	Duplicated
		Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from 3-D Lidar Scans	A. Schaefer and D. Büscher and J. Vertens and L. Luft and W. Burgard	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
		SLAM using LTE Multipath Component Delays	J. Chen and M. Zhu and F. Tufvesson	None	2020	sousarbarb	17 May 2022 15:25:22	Duplicated
		Use of classification and segmentation of sidescan sonar images for long term registration	I. Leblond and M. Legris and B. Solaiman	None	2005	sousarbarb	17 May 2022 15:24:45	Duplicated
		Laser-only road-vehicle localization with dual 2D push-broom LiDARS and 3D priors	I. Baldwin and P. Newman	None	2012	sousarbarb	17 May 2022 15:24:45	Duplicated
		Contribution to vision-based localization, tracking and navigation methods for an interactive mobile service-robot	H.-M. Gross and H.-J. Boehme and T. Wilhelm	None	2001	sousarbarb	17 May 2022 15:24:45	Duplicated
		PERSES-a vision-based interactive mobile shopping assistant	H.-M. Gross and H.-J. Boehme	None	2000	sousarbarb	17 May 2022 15:24:45	Duplicated
		3D LiDAR-Based Global Localization Using Siamese Neural Network	H. Yin and Y. Wang and X. Ding and L. Tang and S. Huang and R. Xiong	IEEE Transactions on Intelligent Transportation Systems	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
		Efficient information-theoretic graph pruning for graph-based SLAM with laser range finders	H. Kretzschmar and C. Stachniss and G. Grisetti	None	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
		Map Updating Revisited for Navigation Map : A mathematical way to perform map updating for autonomous mobile robot	H. Chen and Z. Wang and Q. Zhu	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
		Visual topometric localization	H. Badino and D. Huber and T. Kanade	None	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
		Lightweight SLAM with automatic orientation correction using 2D LiDAR scans	G. Péter and B. Kiss	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
		LCPF: A Particle Filter Lidar SLAM System With Loop Detection and Correction	F. Nie and W. Zhang and Z. Yao and Y. Shi and F. Li and Q. Huang	IEEE Access	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
		Rotation invariant features from omnidirectional camera images using a polar higher-order local autocorrelation feature extractor	F. Linaker and M. Ishikawa	None	2004	sousarbarb	17 May 2022 15:24:45	Duplicated

Bibtex Key ↕	Title	Author ↕	Journal ↕	Year	Added by ↕	Added at ↕	Status ↕
□	Review of underwater SLAM techniques	F. Hidalgo and T. Bräunl	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Visual Odometry : Part II: Matching, Robustness, Optimization, and Applications	F. Fraundorfer and D. Scaramuzza	IEEE Robotics Automation Magazine	2012	sousarbarb	17 May 2022 15:24:45	Duplicated
□	An adaptive appearance-based map for long-term topological localization of mobile robots	F. Dayoub and T. Duckett	None	2008	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Robust Place Recognition and Loop Closing in Laser-Based SLAM for UGVs in Urban Environments	F. Cao and Y. Zhuang and H. Zhang and W. Wang	IEEE Sensors Journal	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Long-term Ground Robot Localization Architecture for Mixed Indoor-Outdoor Scenarios	F. Caballero and J. Perez and L. Merino	None	2014	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Map updating in dynamic environments	F. Abrate and B. Bona and M. Indri and S. Rosa and F. Tibaldi	None	2010	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Robotic Discovery of the Auditory Scene	E. Martinson and A. Schultz	None	2007	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Efficient Map Compression for Collaborative Visual SLAM	D. V. Opdenbosch and T. Aykut and N. Alt and E. Steinbach	None	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Robust sound source mapping using three-layered selective audio rays for mobile robots	D. Su and K. Nakamura and K. Nakadai and J. V. Miro	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Active airborne localisation and exploration in unknown environments using inertial SLAM	M. Bryson and S. Sukkarieh	None	2006	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Long-Term Localization With Time Series Map Prediction for Mobile Robots in Dynamic Environments	L. Wang and W. Chen and J. Wang	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
□	MIT Advanced Vehicle Technology Study: Large-Scale Naturalistic Driving Study of Driver Behavior and Interaction With Automation	L. Fridman and D. E. Brown and M. Glazer and W. Angell and S. Dodd and B. Jenik and J. Terwilliger and A. Patsekin and J. Kindelsberger and L. Ding and S. Seaman and A. Mehler and A. Sipperley and A. Pettinato and B. D. Seppelt and L. Angell and B. Mehler and B. Reimer	IEEE Access	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Appearance-Based Loop Closure Detection via Locality-Driven Accurate Motion Field Learning	K. Zhang and X. Jiang and J. Ma	IEEE Transactions on Intelligent Transportation Systems	2022	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Obstacle avoidance and path planning for humanoid robots using stereo vision	K. Sabe and M. Fukuchi and J.-S. Gutmann and T. Ohashi and K. Kawamoto and T. Yoshigahara	None	2004	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Model-aided monocular visual-inertial state estimation and dense mapping	K. Qiu and S. Shen	None	2017	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Visual robot localization using compact binary landmarks	K. Ikeda and K. Tanaka	None	2010	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Continuous localization in changing environments	K. Graves and W. Adams and A. Schultz	None	1997	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Characterising an indoor environment with a mobile robot and uncalibrated stereo	K. B. Sarachik	None	1989	sousarbarb	17 May 2022 15:24:45	Duplicated
□	BiCamSLAM: Two times mono is more than stereo	J. Sola and A. Monin and M. Devy	None	2007	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Long-Term Map Maintenance Pipeline for Autonomous Vehicles	J. S. Berrio and S. Worrall and M. Shan and E. Nebot	IEEE Transactions on Intelligent Transportation Systems	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Identifying robust landmarks in feature-based maps	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated

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		Martian Fetch: Finding and retrieving sample-tubes on the surface of mars	J. Papon and R. Detry and P. Vieira and S. Brooks and T. Srinivasan and A. Peterson and E. Kulczycki	None	2017	sousarbarb	17 May 2022 15:24:45	Duplicated
		SemanticFusion: Dense 3D semantic mapping with convolutional neural networks	J. McCormac and A. Handa and A. Davison and S. Leutenegger	None	2017	sousarbarb	17 May 2022 15:24:45	Duplicated
		Underwater robot visual place recognition in the presence of dramatic appearance change	J. Li and R. M. Eustice and M. Johnson-Roberson	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
		Topographic SLAM Using a Single Terrain Altimeter in GNSS-Restricted Environment	J. Jang and J. Kim	IEEE Access	2022	sousarbarb	17 May 2022 15:24:45	Duplicated
		Simultaneous map building and localization for an autonomous mobile robot	J. J. Leonard and H. F. Durrant-Whyte	None	1991	sousarbarb	17 May 2022 15:24:45	Duplicated
		Global Alignment of Deep Features for Robot Localization in Changing Environment	J. H. Oh and H.-J. Lee	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		Distributed real-time cooperative localization and mapping using an uncertainty-aware expectation maximization approach	J. Dong and E. Nelson and V. Indelman and N. Michael and F. Dellaert	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
		Ascending stairway modeling from dense depth imagery for traversability analysis	J. A. Delmerico and D. Baran and P. David and J. Ryde and J. J. Corso	None	2013	sousarbarb	17 May 2022 15:24:45	Duplicated
		Stabilize an Unsupervised Feature Learning for LiDAR-based Place Recognition	P. Yin and L. Xu and Z. Liu and L. Li and H. Salman and Y. He and W. Xu and H. Wang and H. Choset	None	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
		Toward long-term, automated ship hull inspection with visual SLAM, explicit surface optimization, and generic graph-sparsification	P. Ozog and R. M. Eustice	None	2014	sousarbarb	17 May 2022 15:24:45	Duplicated
		SLAM-Loop Closing with Visually Salient Features	P. Newman and K. Ho	None	2005	sousarbarb	17 May 2022 15:24:45	Duplicated
		Automating answers to "where am i?"	P. Newman	None	2005	sousarbarb	17 May 2022 15:24:45	Duplicated
		Long-term Place Recognition through Worst-case Graph Matching to Integrate Landmark Appearances and Spatial Relationships	P. Gao and H. Zhang	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
		Network Uncertainty Informed Semantic Feature Selection for Visual SLAM	P. Ganti and S. L. Waslander	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		Switchable constraints vs. max-mixture models vs. RRR - A comparison of three approaches to robust pose graph SLAM	N. Sünderhauf and P. Protzel	None	2013	sousarbarb	17 May 2022 15:24:45	Duplicated
		A metric approach for environments mapping	N. Slimane and M. S. Khireddine and K. Chafaa	None	2013	sousarbarb	17 May 2022 15:24:45	Duplicated
		Long-term simultaneous localization and mapping with generic linear constraint node removal	N. Carlevaris-Bianco and R. M. Eustice	None	2013	sousarbarb	17 May 2022 15:24:45	Duplicated
		Tightly-Coupled Monocular Visual-Odometric SLAM Using Wheels and a MEMS Gyroscope	M. Quan and S. Piao and M. Tan and S.-S. Huang	IEEE Access	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		R-LOAM: Improving LiDAR Odometry and Mapping With Point-to-Mesh Features of a Known 3D Reference Object	M. Oelsch and M. Karimi and E. Steinbach	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
		Environment selection and hierarchical place recognition	M. Mohan and D. Gálvez-López and C. Monteloni and G. Sibley	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
		Global localization using multiple hypothesis tracking: A real-world approach	M. Lutz and S. Hochdorfer and C. Schlegel	None	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
		Online global loop closure detection for large-scale multi-session graph-based SLAM	M. Labb�� and F. Michaud	None	2014	sousarbarb	17 May 2022 15:24:45	Duplicated

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□		Self Localization Based On Neighborhood Probability Mapping for Humanoid Robot		M. Jiono and Y. D. Mahandi and S. N. Mustika and S. Sendari and A. M. Dzikri		None		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Autonomous Navigation: Achievements in Complex Environments		M. E. Adams		None		2006		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		PHALANX: Expendable projectile sensor networks for planetary exploration		M. Dille and D. Nuch and S. Gupta and S. McCabe and N. Verzic and T. Fong and U. Wong		None		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Map Management for Efficient Long-Term Visual Localization in Outdoor Environments		M. Bürki and M. Dymczyk and I. Gilitschenski and C. Cadena and R. Siegwart and J. Nieto		None		2018		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Robust SLAM Systems: Are We There Yet?		M. Bujanca and X. Shi and M. Spear and P. Zhao and B. Lennox and M. Luján		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Vision-based Markov localization across large perceptual changes		T. Naseer and B. Suger and M. Ruhnke and W. Burgard		None		2015		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Persistent localization and life-long mapping in changing environments using the Frequency Map Enhancement		T. Krajinik and J. P. Fentanes and M. Hanheide and T. Duckett		None		2016		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		FreMEn: Frequency Map Enhancement for Long-Term Mobile Robot Autonomy in Changing Environments		T. Krajinik and J. P. Fentanes and J. M. Santos and T. Duckett		IEEE Transactions on Robotics		2017		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Mining visual phrases for long-term visual SLAM		T. Kanji and C. Yuuto and A. Masatoshi		None		2014		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Simultaneous localisation and mapping on the Great Barrier Reef		S. Williams and I. Mahon		None		2004		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		FLAME: Feature-Likelihood Based Mapping and Localization for Autonomous Vehicles		S. Pang and D. Kent and D. Morris and H. Radha		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		LLama-SLAM: Learning High-Quality Visual Landmarks for Long-Term Mapping and Localization		S. Lüthardt and V. Willert and J. Adamy		None		2018		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		6 DoF SLAM using a ToF camera: The challenge of a continuously growing number of landmarks		S. Hochdorfer and C. Schlegel		None		2010		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Towards a robust visual SLAM approach: Addressing the challenge of life-long operation		S. Hochdorfer and C. Schlegel		None		2009		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Uncalibrated monocular based simultaneous localization and mapping for indoor autonomous mobile robot navigation		S. Fu and G. Yang		None		2009		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Robust Loop-Closure Detection with a Learned Illumination Invariant Representation for Robot vSLAM		S. Chen and J. Wu and Y. Wang and L. Zhou and Q. Lu and Y. Zhang		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		A framework for RF-Visual SLAM		S. Anwar and Q. Zhao and N. Qadeer and S. I. Khan		None		2013		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Pole-based localization for autonomous vehicles in urban scenarios		R. Spangenberg and D. Goehring and R. Rojas		None		2016		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Long-term place recognition using multi-level words of spatial densities		R. Maffei and V. A. M. Jorge and V. F. Rey and M. Kolberg and E. Prestes		None		2016		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Long-term human affordance maps		R. Limosani and L. Y. Morales and J. Even and F. Ferreri and A. Watanabe and F. Cavallo and P. Dario and N. Hagita		None		2015		sousarbarb		17 May 2022 15:24:45		Duplicated	

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	Ground Enhanced RGB-D SLAM for Dynamic Environments		R. Guo and X. Liu		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
	Deep Samplable Observation Model for Global Localization and Kidnapping		R. Chen and H. Yin and Y. Jiao and G. Dissanayake and Y. Wang and R. Xiong		IEEE Robotics and Automation Letters		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
	OpenABLE: An open-source toolbox for application in life-long visual localization of autonomous vehicles		R. Arroyo and P. F. Alcantarilla and L. M. Bergasa and E. Romera		None		2016		sousarbarb		17 May 2022 15:24:45		Duplicated	
	Towards life-long visual localization using an efficient matching of binary sequences from images		R. Arroyo and P. F. Alcantarilla and L. M. Bergasa and E. Romera		None		2015		sousarbarb		17 May 2022 15:24:45		Duplicated	
	Multi-Robot Joint Visual-Inertial Localization and 3-D Moving Object Tracking		P. Zhu and W. Ren		None		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
	SolarSLAM: Battery-free Loop Closure for Indoor Localisation		B. Wei and W. Xu and C. Luo and G. Zoppi and D. Ma and S. Wang		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
	A Flexible and Efficient Loop Closure Detection Based on Motion Knowledge		B. Liu and F. Tang and Y. Fu and Y. Yang and Y. Wu		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
	Multi-layer VI-GNSS Global Positioning Framework with Numerical Solution aided MAP Initialization		B. Han and Z. Xiao and S. Huang and T. Zhang		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
	FAB-MAP + RatSLAM: Appearance-based SLAM for multiple times of day		A. J. Glover and W. P. Maddern and M. J. Milford and G. F. Wyeth		None		2010		sousarbarb		17 May 2022 15:25:06		Duplicated	
	Using UHF-RFID Signals for Robot Localization Inside Pipelines		A. Gunatilake and M. Galea and K. Thiagarajan and S. Kodagoda and L. Piyathilaka and P. Darji		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
	A hybrid topological mapping and navigation method for large area robot mapping		A. A. Ravankar and A. Ravankar and T. Emaru and Y. Kobayashi		None		2017		sousarbarb		17 May 2022 15:25:06		Duplicated	
	A real-time visual-inertial mapping and localization method by fusing unstable GPS		Z. Zhang and H. Wang and W. Chen		None		2018		sousarbarb		17 May 2022 15:24:45		Duplicated	
	An 879GOPs 243mW 80fps VGA Fully Visual CNN-SLAM Processor for Wide-Range Autonomous Exploration		Z. Li and Y. Chen and L. Gong and L. Liu and D. Sylvester and D. Blaauw and H.-S. Kim		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
	Towards background flow based AUV localization		Z. Song and K. Mohseni		None		2014		sousarbarb		17 May 2022 15:24:45		Duplicated	
	Consistent Cuboid Detection for Semantic Mapping		Z. S. Hashemifar and K. W. Lee and N. Napp and K. Dantu		None		2017		sousarbarb		17 May 2022 15:24:45		Duplicated	
	Bio-inspired Relocalization for Indoor Robots in Visual Ambiguous Scenarios		Y. Long and R. Jiang and F. Ye		None		2022		sousarbarb		17 May 2022 15:24:45		Duplicated	
	Realizing, reversing, recovering: Incremental robust loop closing over time using the iRRR algorithm		Y. Latif and C. Cadena and J. Neira		None		2012		sousarbarb		17 May 2022 15:24:45		Duplicated	
	An Everyday Robotic System that Maintains Local Rules Using Semantic Map Based on Long-Term Episodic Memory		Y. Furuta and K. Okada and Y. Kakuchi and M. Inaba		None		2018		sousarbarb		17 May 2022 15:24:45		Duplicated	
	DiSCO: Differentiable Scan Context With Orientation		X. Xu and H. Yin and Z. Chen and Y. Li and Y. Wang and R. Xiong		IEEE Robotics and Automation Letters		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
□		Are We Ready for Service Robots? The OpenLORIS-Scene Datasets for Lifelong SLAM		X. Shi and D. Li and P. Zhao and Q. Tian and Y. Tian and Q. Long and C. Zhu and J. Song and F. Qiao and L. Song and Y. Guo and Z. Wang and Y. Zhang and B. Qin and W. Yang and F. Wang and R. H. M. Chan and Q. She		None		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Persistent Stereo Visual Localization on Cross-Modal Invariant Map		X. Ding and Y. Wang and R. Xiong and D. Li and L. Tang and H. Yin and L. Zhao		IEEE Transactions on Intelligent Transportation Systems		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Active vision for wearables		W. W. Mayol and B. J. Tordoff and T. E. D. Campos and A. J. Davison and D. W. Murray		None		2003		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Performance Analysis of Feature Detectors and Descriptors in Underwater and Polar Environments		V. Shah and J. Nir and P. Kaveti and H. Singh		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Mining DCNN landmarks for long-term visual SLAM		T. Taisho and T. Kanji		None		2016		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Direct RGB-D Visual Odometry Based on Hybrid Strategy		J. Cai and L. Luo and Q. Yu and B. Liu and S. Hu		IEEE Sensors Journal		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Robust vision-aided navigation using Sliding-Window Factor graphs		H.-P. Chiu and S. Williams and F. Dellaert and S. Samarasekera and R. Kumar		None		2013		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Self-Supervised Learning of Lidar Segmentation for Autonomous Indoor Navigation		H. Thomas and B. Agro and M. Gridseth and J. Zhang and T. D. Barfoot		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Map Updating Revisited for Navigation Map : A mathematical way to perform map updating for autonomous mobile robot		H. Chen and Z. Wang and Q. Zhu		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Domain-Invariant Similarity Activation Map Contrastive Learning for Retrieval-Based Long-Term Visual Localization		H. Hu and H. Wang and Z. Liu and W. Chen		IEEE/CAA Journal of Automatica Sinica		2022		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Deep Visual Odometry With Adaptive Memory		F. Xue and X. Wang and J. Wang and H. Zha		IEEE Transactions on Pattern Analysis and Machine Intelligence		2022		sousarbarb		17 May 2022 15:25:06		Rejected	
□		1-Day Learning, 1-Year Localization: Long-Term LiDAR Localization Using Scan Context Image		G. Kim and B. Park and A. Kim		IEEE Robotics and Automation Letters		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		An adaptive appearance-based map for long-term topological localization of mobile robots		F. Dayoub and T. Duckett		None		2008		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Learning of Holism-Landmark Graph Embedding for Place Recognition in Long-Term Autonomy		F. Han and S. E. Beleidy and H. Wang and C. Ye and H. Zhang		IEEE Robotics and Automation Letters		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Using Image Sequences for Long-Term Visual Localization		E. Stenborg and T. Sattler and L. Hammarstrand		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Generic 2D/3D SLAM with NDT maps for lifelong application		E. Einhorn and H.-M. Gross		None		2013		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Approximating Marginalization with Sparse Global Priors for Sliding Window SLAM-Graphs		D. Wilbers and L. Rumberg and C. Stachniss		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Optical flow localisation and appearance mapping (OFLAAM) for long-term navigation		D. Pastor-Moreno and H.-S. Shin and A. Waldock		None		2015		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Towards lifelong feature-based mapping in semi-static environments		D. M. Rosen and J. Mason and J. J. Leonard		None		2016		sousarbarb		17 May 2022 15:25:06		Duplicated	

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□		SLAMinDB: Centralized graph databases for mobile robotics	D. Fourie and S. Claassens and S. Pillai and R. Mata and J. Leonard	None	2017	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Part-based SLAM for partially changing environments	C. Yuuto and T. Kanji and A. Masatoshi	None	2013	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Learning by Inertia: Self-supervised Monocular Visual Odometry for Road Vehicles	C. Wang and Y. Yuan and Q. Wang	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Long-Term 3D Localization and Pose from Semantic Labellings	C. Toft and C. Olsson and F. Kahl	None	2017	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Robust Photogeometric Localization Over Time for Map-Centric Loop Closure	C. Park and S. Kim and P. Moghadam and J. Guo and S. Sridharan and C. Fookes	IEEE Robotics and Automation Letters	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
□		View management for lifelong visual maps	N. Banerjee and R. C. Connolly and D. Lisin and J. Briggs and M. E. Munich	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Preventing and Correcting Mistakes in Lifelong Mapping	N. Banerjee and D. Lisin and V. Albanese and Z. Zhu and S. R. Lenser and J. Shriner and T. Ramaswamy and J. Briggs and P. Fong	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Lifelong Mapping using Adaptive Local Maps	N. Banerjee and D. Lisin and J. Briggs and M. Llofriu and M. E. Munich	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
□		A General Framework for Lifelong Localization and Mapping in Changing Environment	M. Zhao and X. Guo and L. Song and B. Qin and X. Shi and G. H. Lee and G. Sun	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
□		A continuously learning feature-based map using a bernoulli filtering approach	M. Stübler and S. Reuter and K. Dietmayer	None	2017	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Appearance-Based Loop Closure Detection for Online Large-Scale and Long-Term Operation	M. Labb�� and F. Michaud	IEEE Transactions on Robotics	2013	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Erasing bad memories: Agent-side summarization for long-term mapping	M. Dymczyk and T. Schneider and I. Gilitschenski and R. Siegwart and E. Stumm	None	2016	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Will It Last? Learning Stable Features for Long-Term Visual Localization	M. Dymczyk and E. Stumm and J. Nieto and R. Siegwart and I. Gilitschenski	None	2016	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Appearance-based landmark selection for efficient long-term visual localization	M. B��rki and I. Gilitschenski and E. Stumm and R. Siegwart and J. Nieto	None	2016	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Long-Term Localization With Time Series Map Prediction for Mobile Robots in Dynamic Environments	L. Wang and W. Chen and J. Wang	None	2020	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Deep Supervised Hashing with Similar Hierarchy for Place Recognition	L. Wu and Y. Wu	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Tightly-Coupled Multi-Sensor Fusion for Localization with LiDAR Feature Maps	L. Pan and K. Ji and J. Zhao	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Predictive and adaptive maps for long-term visual navigation in changing environments	L. Halodov�� and E. Dvo��rkov�� and F. Majer and T. Vint�� and O. M. Mozos and F. Dayoub and T. Krajin��k	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated

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□	Sequence-based mapping for probabilistic visual loop-closure detection		K. A. Tsintotas and L. Bampis and S. An and G. F. Fragulis and S. G. Mouroutsos and A. Gasteratos		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Monocular Localization in HD Maps by Combining Semantic Segmentation and Distance Transform		J.-H. Pauls and K. Petek and F. Poggenhans and C. Stiller		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Integration of Monte Carlo Localization and place recognition for reliable long-term robot localization		J. Pérez and F. Caballero and L. Merino		None		2014		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Evaluation of Long-term LiDAR Place Recognition		J. Peltomäki and F. Alijani and J. Puura and H. Huttunen and E. Rahtu and J.-K. Kämäräinen		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Weighted Grid Partitioning for Panel-Based Bathymetric SLAM		J. Jang and J. Kim		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Simultaneous map building and localization for an autonomous mobile robot		J. J. Leonard and H. F. Durrant-Whyte		None		1991		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Tightly-Coupled Magneto-Visual-Inertial Fusion for Long Term Localization in Indoor Environment		J. Coulin and R. Guillemand and V. Gay-Bellile and C. Joly and A. D. L. Fortelle		IEEE Robotics and Automation Letters		2022		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Bathymetric factor graph SLAM with sparse point cloud alignment		V. Bichucher and J. M. Walls and P. Ozog and K. A. Skinner and R. M. Eustice		None		2015		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Detection-by-Localization: Maintenance-Free Change Object Detector		T. Kanji		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Localizing Backscatters by a Single Robot with Zero Start-Up Cost		S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	How to Match Tracks of Visual Features for Automotive Long-Term SLAM		S. Lüthardt and C. Ziegler and V. Willert and J. Adamy		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Lifelong localization of a mobile service-robot in everyday indoor environments using omnidirectional vision		S. Hochdorfer and M. Lutz and C. Schlegel		None		2009		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Lingodroids: Cross-Situational Learning for Episodic Elements		S. Heath and D. Ball and J. Wiles		IEEE Transactions on Cognitive and Developmental Systems		2016		sousarbarb		17 May 2022 15:25:06		Rejected	
□	Monitoring of Benthic Reference Sites: Using an Autonomous Underwater Vehicle		S. B. Williams and O. R. Pizarro and M. V. Jakuba and C. R. Johnson and N. S. Barrett and R. C. Babcock and G. A. Kendrick and P. D. Steinberg and A. J. Heyward and P. J. Doherty and I. Mahon and M. Johnson-Roberson and D. Steinberg and A. Friedman		IEEE Robotics Automation Magazine		2012		sousarbarb		17 May 2022 15:25:06		Accepted	
□	Robustifying Visual Place Recognition with Semantic Scene Categorization		S. Arshad and G.-W. Kim		2020 IEEE International Conference on Big Data and Smart Computing (BigComp)		2020		sousarbarb		17 May 2022 15:25:06		Rejected	
□	A framework for RF-Visual SLAM		S. Anwar and Q. Zhao and N. Qadeer and S. I. Khan		None		2013		sousarbarb		17 May 2022 15:25:06		Duplicated	
□	Self help: Seeking out perplexing images for ever improving navigation		R. Paul and P. Newman		None		2011		sousarbarb		17 May 2022 15:25:06		Duplicated	

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□		ORB-SLAM: A Versatile and Accurate Monocular SLAM System		R. Mur-Artal and J. M. M. Montiel and J. D. Tardós		IEEE Transactions on Robotics		2015		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		3D localization, mapping and path planning for search and rescue operations		R. Dubé and A. Gawel and C. Cadena and R. Siegwart and L. Freda and M. Gianni		None		2016		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		MRS-VPR: a multi-resolution sampling based global visual place recognition method		P. Yin and R. A. Srivatsan and Y. Chen and X. Li and H. Zhang and L. Xu and L. Li and Z. Jia and J. Ji and Y. He		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Automating answers to "where am i?"		P. Newman		None		2005		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Appearance change prediction for long-term navigation across seasons		P. Neubert and N. Sünderhauf and P. Protzel		None		2013		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		A Linear-Complexity EKF for Visual-Inertial Navigation with Loop Closures		P. Geneva and K. Eckenhoff and G. Huang		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Air-SSLAM: A Visual Stereo Indoor SLAM for Aerial Quadrotors		P. Araújo and R. Miranda and D. Carmo and R. Alves and L. Oliveira		IEEE Geoscience and Remote Sensing Letters		2017		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		HybVIO: Pushing the Limits of Real-time Visual-inertial Odometry		O. Seiskari and P. Rantalankila and J. Kannala and J. Ylälammi and E. Rahtu and A. Solin		None		2022		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Tightly Coupled Semantic RGB-D Inertial Odometry for Accurate Long-Term Localization and Mapping		N. Patel and F. Khorrami and P. Krishnamurthy and A. Tzes		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Robust Long-Term Registration of UAV Images of Crop Fields for Precision Agriculture		N. Chebrolu and T. Läbe and C. Stachniss		IEEE Robotics and Automation Letters		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Long-term simultaneous localization and mapping with generic linear constraint node removal		N. Carlevaris-Bianco and R. M. Eustice		None		2013		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Learning Matchable Image Transformations for Long-Term Metric Visual Localization		L. Clement and M. Gridseth and J. Tomasi and J. Kelly		IEEE Robotics and Automation Letters		2020		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Updating the visibility of a feature-based map for long-term maintenance		J. S. Berrio and J. Ward and S. Worrall and E. Nebot		None		2019		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Simultaneous Localization and Mapping for Inspection Robots in Water and Sewer Pipe Networks: A Review		J. M. Aitken and M. H. Evans and R. Worley and S. Edwards and R. Zhang and T. Dodd and L. Mihaylova and S. R. Anderson		IEEE Access		2021		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Episodic non-Markov localization: Reasoning about short-term and long-term features		J. Biswas and M. Veloso		None		2014		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Vehicle Navigation by Visual Navigational Aids for Automatic Lunar Mission		I. Ostromoukhov and N. Kuzmenko		None		2021		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Radar-on-Lidar: metric radar localization on prior lidar maps		H. Yin and Y. Wang and L. Tang and R. Xiong		None		2020		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Incorporating environmental measurements in navigation		H. J. S. Feder and J. J. Leonard and C. M. Smith		None		1998		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Map Updating Revisited for Navigation Map : A mathematical way to perform map updating for autonomous mobile robot		H. Chen and Z. Wang and Q. Zhu		None		2021		sousarbarb		17 May 2022 15:25:30		Duplicated	

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		Towards life-long mapping of dynamic environments using temporal persistence modeling	G. Tsamis and I. Kostavelis and D. Giakoumis and D. Tzovaras	None	2021	sousarbarb	17 May 2022 15:25:30	Duplicated
		Long-term 3D map maintenance in dynamic environments	F. Pomerleau and P. Krüsi and F. Colas and P. Furgale and R. Siegwart	None	2014	sousarbarb	17 May 2022 15:25:30	Duplicated
		ViPR: Visual-Odometry-aided Pose Regression for 6DoF Camera Localization	F. Ott and T. Feigl and C. Löffler and C. Mutschler	None	2020	sousarbarb	17 May 2022 15:25:30	Duplicated
		SRAL: Shared Representative Appearance Learning for Long-Term Visual Place Recognition	F. Han and X. Yang and Y. Deng and M. Rentschler and D. Yang and H. Zhang	IEEE Robotics and Automation Letters	2017	sousarbarb	17 May 2022 15:25:30	Duplicated
		Long-Term Visual Inertial SLAM based on Time Series Map Prediction	B. Song and W. Chen and J. Wang and H. Wang	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
		Visual place recognition with CNNs: From global to partial	Z. Xin and X. Cui and J. Zhang and Y. Yang and Y. Wang	None	2017	sousarbarb	17 May 2022 15:25:06	Duplicated
		An 879 GOPS 243mW 80fps VGA Fully Visual CNN-SLAM Processor for Wide-Range Autonomous Exploration	Z. Li and Y. Chen and L. Gong and L. Liu and D. Sylvester and D. Blaauw and H.-S. Kim	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
		Real-Time, Environmentally-Robust 3D LiDAR Localization	Y. Zhu and B. Xue and L. Zheng and H. Huang and M. Liu and R. Fan	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
		Day and Night Collaborative Dynamic Mapping in Unstructured Environment Based on Multimodal Sensors	Y. Yue and C. Yang and J. Zhang and M. Wen and Z. Wu and H. Zhang and D. Wang	None	2020	sousarbarb	17 May 2022 15:25:06	Duplicated
		Vision-Aided Multi-UAV Autonomous Flocking in GPS-Denied Environment	Y. Tang and Y. Hu and J. Cui and F. Liao and M. Lao and F. Lin and R. S. H. Teo	IEEE Transactions on Industrial Electronics	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
		Structure-SLAM: Low-Drift Monocular SLAM in Indoor Environments	Y. Li and N. Brasch and Y. Wang and N. Navab and F. Tombari	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 15:25:06	Duplicated
		Keyframes retrieval for robust long-term visual localization in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and M. Dhorne	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
		Towards lifelong feature-based mapping in semi-static environments	D. M. Rosen and J. Mason and J. J. Leonard	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
		Development of an Autonomous Robotic System Using the Graph-based SPLAM Algorithm	D. Kozlov and V. Myasnikov	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
		SLAMinDB: Centralized graph databases for mobile robotics	D. Fourie and S. Claassens and S. Pillai and R. Mata and J. Leonard	None	2017	sousarbarb	17 May 2022 15:24:45	Duplicated
		Learning by Inertia: Self-supervised Monocular Visual Odometry for Road Vehicles	C. Wang and Y. Yuan and Q. Wang	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		Work smart, not hard: Recalling relevant experiences for vast-scale but time-constrained localisation	C. Linegar and W. Churchill and P. Newman	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
		Long-Term Visual Inertial SLAM based on Time Series Map Prediction	B. Song and W. Chen and J. Wang and H. Wang	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from 3-D Lidar Scans	A. Schaefer and D. Büscher and J. Vertens and L. Luft and W. Burgard	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated

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□		Using UHF-RFID Signals for Robot Localization Inside Pipelines	A. Gunatilake and M. Galea and K. Thiyagarajan and S. Kodagoda and L. Piyathilaka and P. Darij	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Long-term topological localisation for service robots in dynamic environments using spectral maps	T. Krajník and J. P. Fentanes and O. M. Mozos and T. Duckett and J. Ekekrantz and M. Hanheide	None	2014	sousarbarb	17 May 2022 15:25:56	Duplicated
□		Landmark rating and selection according to localization coverage: Addressing the challenge of lifelong operation of SLAM in service robots	S. Hochdorfer and C. Schlegel	None	2009	sousarbarb	17 May 2022 15:25:56	Duplicated
□		Segmented Matching Method of Multi-Geophysics Field SLAM Data Based on LSTM	Z. Li and H. Yu and T. Shen and Z. Li	None	2020	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Migratory birds-inspired navigation system for unmanned aerial vehicles	Y. Zhang and A. Chao and B. Zhao and H. Liu and X. Zhao	None	2016	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Bathymetric factor graph SLAM with sparse point cloud alignment	V. Bichucher and J. M. Walls and P. Ozog and K. A. Skinner and R. M. Eustice	None	2015	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Towards a robust visual SLAM approach: Addressing the challenge of life-long operation	S. Hochdorfer and C. Schlegel	None	2009	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Relocalization With Submaps: Multi-Session Mapping for Planetary Rovers Equipped With Stereo Cameras	R. Giubilato and M. Vayugundla and M. J. Schuster and W. Stürzl and A. Wedler and R. Triebel and S. Debei	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 15:25:30	Duplicated
□		3D localization, mapping and path planning for search and rescue operations	R. Dubé and A. Gawel and C. Cadena and R. Siegwart and L. Freda and M. Gianni	None	2016	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Automating answers to "where am i?"	P. Newman	None	2005	sousarbarb	17 May 2022 15:25:30	Duplicated
□		View management for lifelong visual maps	N. Banerjee and R. C. Connolly and D. Lisin and J. Briggs and M. E. Munich	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
□		SDF-Loc: Signed Distance Field based 2D Relocalization and Map Update in Dynamic Environments	M. Zhang and Y. Chen and M. Li	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Obstacle Persistent Adaptive Map Maintenance for Autonomous Mobile Robots using Spatio-temporal Reasoning	M. L. Pitschl and M. W. Pryor	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Long-Term Localization With Time Series Map Prediction for Mobile Robots in Dynamic Environments	L. Wang and W. Chen and J. Wang	None	2020	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Sequence-based mapping for probabilistic visual loop-closure detection	K. A. Tsintotas and L. Bampis and S. An and G. F. Fragulis and S. G. Mouroutsos and A. Gasteratos	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Monocular Localization in HD Maps by Combining Semantic Segmentation and Distance Transform	J.-H. Pauls and K. Petek and F. Poggemann and C. Stiller	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Research on object recognition using bag of word model for mobile robot navigation	J.-F. Yang and K. Wang and M.-A. Li and L. Liu	None	2011	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Integration of Monte Carlo Localization and place recognition for reliable long-term robot localization	J. Pérez and F. Caballero and L. Merino	None	2014	sousarbarb	17 May 2022 15:24:45	Duplicated

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
□		Evaluation of Long-term LiDAR Place Recognition		J. Peltomäki and F. Alijani and J. Puura and H. Huttunen and E. Rahtu and J.-K. Kämäräinen		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Simultaneous Localization and Mapping for Inspection Robots in Water and Sewer Pipe Networks: A Review		J. M. Aitken and M. H. Evans and R. Worley and S. Edwards and R. Zhang and T. Dodd and L. Mihaylova and S. R. Anderson		IEEE Access		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Weighted Grid Partitioning for Panel-Based Bathymetric SLAM		J. Jang and J. Kim		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Episodic non-Markov localization: Reasoning about short-term and long-term features		J. Biswas and M. Veloso		None		2014		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Vehicle Navigation by Visual Navigational Aids for Automatic Lunar Mission		I. Ostroumov and N. Kuzmenko		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Radar-on-Lidar: metric radar localization on prior lidar maps		H. Yin and Y. Wang and L. Tang and R. Xiong		None		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Self-Supervised Learning of Lidar Segmentation for Autonomous Indoor Navigation		H. Thomas and B. Agro and M. Gridseth and J. Zhang and T. D. Barfoot		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Incorporating environmental measurements in navigation		H. J. S. Feder and J. J. Leonard and C. M. Smith		None		1998		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Towards life-long mapping of dynamic environments using temporal persistence modeling		G. Tsamis and I. Kostavelis and D. Giakoumis and D. Tzovaras		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		1-Day Learning, 1-Year Localization: Long-Term LiDAR Localization Using Scan Context Image		G. Kim and B. Park and A. Kim		IEEE Robotics and Automation Letters		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Long-term 3D map maintenance in dynamic environments		F. Pomerleau and P. Krüsi and F. Colas and P. Furgale and R. Siegwart		None		2014		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		SRAL: Shared Representative Appearance Learning for Long-Term Visual Place Recognition		F. Han and X. Yang and Y. Deng and M. Rentschler and D. Yang and H. Zhang		IEEE Robotics and Automation Letters		2017		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Long-Term Visual Localization Using Semantically Segmented Images		E. Stenborg and C. Toft and L. Hammarstrand		None		2018		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Approximating Marginalization with Sparse Global Priors for Sliding Window SLAM-Graphs		D. Wilbers and L. Rumberg and C. Stachniss		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Optical flow localisation and appearance mapping (OFLAAM) for long-term navigation		D. Pastor-Moreno and H.-S. Shin and A. Waldock		None		2015		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Lifelong Localization in Semi-Dynamic Environment		S. Zhu and X. Zhang and S. Guo and J. Li and H. Liu		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Robot-Assisted Backscatter Localization for IoT Applications		S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang		IEEE Transactions on Wireless Communications		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Localizing Backscatters by a Single Robot with Zero Start-Up Cost		S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Omnidirectional Multisensory Perception Fusion for Long-Term Place Recognition		S. Siva and H. Zhang		None		2018		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		How to Match Tracks of Visual Features for Automotive Long-Term SLAM		S. Luthardt and C. Ziegler and V. Willert and J. Adamy		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		Lifelong localization of a mobile service-robot in everyday indoor environments using omnidirectional vision	S. Hochdorfer and M. Lutz and C. Schlegel	None	2009	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Relocalization With Submaps: Multi-Session Mapping for Planetary Rovers Equipped With Stereo Cameras	R. Giubilato and M. Vayugundla and M. J. Schuster and W. Stürzl and A. Wedler and R. Triebel and S. Debei	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
□		3D localization, mapping and path planning for search and rescue operations	R. Dubé and A. Gawel and C. Cadena and R. Siegwart and L. Freda and M. Gianni	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Research of large-scale offline map management in visual SLAM	Q. Shen and H. Sun and P. Ye	None	2017	sousarbarb	17 May 2022 15:24:45	Duplicated
□		PoseMap: Lifelong, Multi-Environment 3D LiDAR Localization	P. Egger and P. V. K. Borges and G. Catt and A. Pfunder and R. Siegwart and R. Dubé	None	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Tightly Coupled Semantic RGB-D Inertial Odometry for Accurate Long-Term Localization and Mapping	N. Patel and F. Khorrami and P. Krishnamurthy and A. Tzes	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Preventing and Correcting Mistakes in Lifelong Mapping	N. Banerjee and D. Lisin and V. Albanese and Z. Zhu and S. R. Lenser and J. Shriver and T. Ramaswamy and J. Briggs and P. Fong	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Lifelong Mapping using Adaptive Local Maps	N. Banerjee and D. Lisin and J. Briggs and M. Llofriu and M. E. Munich	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
□		A General Framework for Lifelong Localization and Mapping in Changing Environment	M. Zhao and X. Guo and L. Song and B. Qin and X. Shi and G. H. Lee and G. Sun	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
□		SDF-Loc: Signed Distance Field based 2D Relocalization and Map Update in Dynamic Environments	M. Zhang and Y. Chen and M. Li	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Sensors, SLAM and Long-term Autonomy: A Review	M. Zaffar and S. Ehsan and R. Stolkin and K. M. Maier	None	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Obstacle Persistent Adaptive Map Maintenance for Autonomous Mobile Robots using Spatio-temporal Reasoning	M. L. Pitschl and M. W. Pryor	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Appearance-based landmark selection for efficient long-term visual localization	M. Bürki and I. Gilitschenski and E. Stumm and R. Siegwart and J. Nieto	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Predictive and adaptive maps for long-term visual navigation in changing environments	L. Halodová and E. Dvořáková and F. Majer and T. Vintř and O. M. Mozos and F. Dayoub and T. Krajník	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Learning Matchable Image Transformations for Long-Term Metric Visual Localization	L. Clement and M. Gridseth and J. Tomasi and J. Kelly	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
□		Onboard Detection-Tracking-Localization	D. Tang and Q. Fang and L. Shen and T. Hu	IEEE/ASME Transactions on Mechatronics	2020	sousarbarb	17 May 2022 15:25:06	Duplicated
□		Work smart, not hard: Recalling relevant experiences for vast-scale but time-constrained localisation	C. Linegar and W. Churchill and P. Newman	None	2015	sousarbarb	17 May 2022 15:25:06	Duplicated

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
		Input Uncertainty Sensitivity Enhanced Nonsingleton Fuzzy Logic Controllers for Long-Term Navigation of Quadrotor UAVs	C. Fu and A. Sarabakha and E. Kayacan and C. Wagner and R. John and J. M. Garibaldi	IEEE/ASME Transactions on Mechatronics	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
		Past, Present, and Future of Simultaneous Localization and Mapping: Toward the Robust-Perception Age	C. Cadena and L. Carlone and H. Carrillo and Y. Latif and D. Scaramuzza and J. Neira and I. Reid and J. J. Leonard	IEEE Transactions on Robotics	2016	sousarbarb	17 May 2022 15:25:06	Duplicated
		Long-Term Visual Inertial SLAM based on Time Series Map Prediction	B. Song and W. Chen and J. Wang and H. Wang	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
		Dynamic pose graph SLAM: Long-term mapping in low dynamic environments	A. Walcott-Bryant and M. Kaess and H. Johannsson and J. J. Leonard	None	2012	sousarbarb	17 May 2022 15:25:06	Duplicated
		Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from 3-D Lidar Scans	A. Schaefer and D. Büscher and J. Vertens and L. Luft and W. Burgard	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
		ExMaps: Long-Term Localization in Dynamic Scenes using Exponential Decay	A. Rotsidis and C. Lutteroth and P. Hall and C. Richardt	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
		Generic Node Removal for Factor-Graph SLAM	N. Carlevaris-Bianco and M. Kaess and R. M. Eustice	IEEE Transactions on Robotics	2014	sousarbarb	17 May 2022 15:24:55	Duplicated
		Long-term 3D map maintenance in dynamic environments	F. Pomerleau and P. Krüsi and F. Colas and P. Furgale and R. Siegwart	None	2014	sousarbarb	17 May 2022 15:24:55	Duplicated
		Pole-like Objects Mapping and Long-Term Robot Localization in Dynamic Urban Scenarios	Z. Wang and S. Li and M. Cao and H. Chen and Y. Liu	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
		Segmented Matching Method of Multi-Geophysics Field SLAM Data Based on LSTM	Z. Li and H. Yu and T. Shen and Z. Li	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
		Real-Time, Environmentally-Robust 3D LiDAR Localization	Y. Zhu and B. Xue and L. Zheng and H. Huang and M. Liu and R. Fan	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		Migratory birds-inspired navigation system for unmanned aerial vehicles	Y. Zhang and A. Chao and B. Zhao and H. Liu and X. Zhao	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
		Vision-Aided Multi-UAV Autonomous Flocking in GPS-Denied Environment	Y. Tang and Y. Hu and J. Cui and F. Liao and M. Lao and F. Lin and R. S. H. Teo	IEEE Transactions on Industrial Electronics	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		Communication constrained cloud-based long-term visual localization in real time	X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
		A Life-Long SLAM Approach Using Adaptable Local Maps Based on Rasterized LIDAR Images	W. Ali and P. Liu and R. Ying and Z. Gong	IEEE Sensors Journal	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
		Bathymetric factor graph SLAM with sparse point cloud alignment	V. Bichucher and J. M. Walls and P. Ozog and K. A. Skinner and R. M. Eustice	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
		Long-Term Map Maintenance Pipeline for Autonomous Vehicles	J. S. Berrio and S. Worrall and M. Shan and E. Nebot	IEEE Transactions on Intelligent Transportation Systems	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
		Updating the visibility of a feature-based map for long-term maintenance	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
		SemanticFusion: Dense 3D semantic mapping with convolutional neural networks		J. McCormac and A. Handa and A. Davison and S. Leutenegger		None		2017		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Simultaneous Localization and Mapping for Inspection Robots in Water and Sewer Pipe Networks: A Review		J. M. Aitken and M. H. Evans and R. Worley and S. Edwards and R. Zhang and T. Dodd and L. Mihaylova and S. R. Anderson		IEEE Access		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Distributed real-time cooperative localization and mapping using an uncertainty-aware expectation maximization approach		J. Dong and E. Nelson and V. Indelman and N. Michael and F. Dellaert		None		2015		sousarbarb		17 May 2022 15:25:06		Duplicated	
		SLAM using LTE Multipath Component Delays		J. Chen and M. Zhu and F. Tufvesson		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Episodic non-Markov localization: Reasoning about short-term and long-term features		J. Biswas and M. Veloso		None		2014		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Vehicle Navigation by Visual Navigational Aids for Automatic Lunar Mission		I. Ostroumov and N. Kuzmenko		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
		PERSES-a vision-based interactive mobile shopping assistant		H.-M. Gross and H.-J. Boehme		None		2000		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Radar-on-Lidar: metric radar localization on prior lidar maps		H. Yin and Y. Wang and L. Tang and R. Xiong		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Incorporating environmental measurements in navigation		H. J. S. Feder and J. J. Leonard and C. M. Smith		None		1998		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Visual topometric localization		H. Badino and D. Huber and T. Kanade		None		2011		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Towards life-long mapping of dynamic environments using temporal persistence modeling		G. Tsamis and I. Kostavelis and D. Giakoumis and D. Tzovaras		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Lightweight SLAM with automatic orientation correction using 2D LiDAR scans		G. Péter and B. Kiss		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Geometry-based Graph Pruning for Lifelong SLAM		G. Kurz and M. Holoch and P. Biber		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Long-term 3D map maintenance in dynamic environments		F. Pomerleau and P. Krüsi and F. Colas and P. Furgale and R. Siegwart		None		2014		sousarbarb		17 May 2022 15:25:06		Duplicated	
		ViPR: Visual-Odometry-aided Pose Regression for 6DoF Camera Localization		F. Ott and T. Feigl and C. Löfller and C. Muttschler		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
		SRAL: Shared Representative Appearance Learning for Long-Term Visual Place Recognition		F. Han and X. Yang and Y. Deng and M. Rentschler and D. Yang and H. Zhang		IEEE Robotics and Automation Letters		2017		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Robust Place Recognition and Loop Closing in Laser-Based SLAM for UGVs in Urban Environments		F. Cao and Y. Zhuang and H. Zhang and W. Wang		IEEE Sensors Journal		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Towards a robust visual SLAM approach: Addressing the challenge of life-long operation		S. Hochdorfer and C. Schlegel		None		2009		sousarbarb		17 May 2022 15:25:06		Duplicated	
		An Optimization Technique for Positioning Multiple Maps for Self-Driving Car's Autonomous Navigation		S. Dominguez and B. Khomutenko and G. Garcia and P. Martinet		None		2015		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Robust Loop-Closure Detection with a Learned Illumination Invariant Representation for Robot vSLAM		S. Chen and J. Wu and Y. Wang and L. Zhou and Q. Lu and Y. Zhang		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
		A B-Spline Mapping Framework for Long-Term Autonomous Operations		R. T. Rodrigues and A. P. Aguiar and A. Pascoal		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	

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□		Long-term human affordance maps		R. Limosani and L. Y. Morales and J. Even and F. Ferreri and A. Watanabe and F. Cavallo and P. Dario and N. Hagita		None		2015		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Relocalization With Submaps: Multi-Session Mapping for Planetary Rovers Equipped With Stereo Cameras		R. Giubilato and M. Vayugundla and M. J. Schuster and W. Stürzl and A. Wedler and R. Triebel and S. Debei		IEEE Robotics and Automation Letters		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Stabilize an Unsupervised Feature Learning for LiDAR-based Place Recognition		P. Yin and L. Xu and Z. Liu and L. Li and H. Salman and Y. He and W. Xu and H. Wang and H. Choset		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Long-term Place Recognition through Worst-case Graph Matching to Integrate Landmark Appearances and Spatial Relationships		P. Gao and H. Zhang		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		PoseMap: Lifelong, Multi-Environment 3D LiDAR Localization		P. Egger and P. V. K. Borges and G. Catt and A. Pfrunder and R. Siegwart and R. Dubé		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		SDF-Loc: Signed Distance Field based 2D Relocalization and Map Update in Dynamic Environments		M. Zhang and Y. Chen and M. Li		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Sensors, SLAM and Long-term Autonomy: A Review		M. Zaffar and S. Ehsan and R. Stolkin and K. M. Maier		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Efficient Long-term Mapping in Dynamic Environments		M. T. Lázaro and R. Capobianco and G. Grisetti		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Tightly-Coupled Monocular Visual-Odometric SLAM Using Wheels and a MEMS Gyroscope		M. Quan and S. Piao and M. Tan and S.-S. Huang		IEEE Access		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Obstacle Persistent Adaptive Map Maintenance for Autonomous Mobile Robots using Spatio-temporal Reasoning		M. L. Pitschl and M. W. Pryor		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Map Management for Efficient Long-Term Visual Localization in Outdoor Environments		M. Bürki and M. Dymczyk and I. Gilitschenski and C. Cadena and R. Siegwart and J. Nieto		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Robust SLAM Systems: Are We There Yet?		M. Bujanca and X. Shi and M. Spear and P. Zhao and B. Lennox and M. Luján		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		3DOF Pedestrian Trajectory Prediction Learned from Long-Term Autonomous Mobile Robot Deployment Data		L. Sun and Z. Yan and S. M. Mellado and M. Hanheide and T. Duckett		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Learning Matchable Image Transformations for Long-Term Metric Visual Localization		L. Clement and M. Gridseth and J. Tomasi and J. Kelly		IEEE Robotics and Automation Letters		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Long-Term Visual Localization Using Semantically Segmented Images		E. Stenborg and C. Toft and L. Hammarstrand		None		2018		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Approximating Marginalization with Sparse Global Priors for Sliding Window SLAM-Graphs		D. Wilbers and L. Rumberg and C. Stachniss		None		2019		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Onboard Detection-Tracking-Localization		D. Tang and Q. Fang and L. Shen and T. Hu		IEEE/ASME Transactions on Mechatronics		2020		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Optical flow localisation and appearance mapping (OFLAAM) for long-term navigation		D. Pastor-Moreno and H.-S. Shin and A. Waldock		None		2015		sousarbarb		17 May 2022 15:25:30		Duplicated	

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	Towards lifelong feature-based mapping in semi-static environments	D. M. Rosen and J. Mason and J. J. Leonard	None	2016	sousarbarb	17 May 2022 15:25:30	Duplicated
	Development of an Autonomous Robotic System Using the Graph-based SPLAM Algorithm	D. Kozlov and V. Myasnikov	None	2021	sousarbarb	17 May 2022 15:25:30	Duplicated
	SLAMinDB: Centralized graph databases for mobile robotics	D. Fourie and S. Claassens and S. Pillai and R. Mata and J. Leonard	None	2017	sousarbarb	17 May 2022 15:25:30	Duplicated
	Dynamic pose graph SLAM: Long-term mapping in low dynamic environments	A. Walcott-Bryant and M. Kaess and H. Johannsson and J. J. Leonard	None	2012	sousarbarb	17 May 2022 15:25:30	Duplicated
	Segmented Matching Method of Multi-Geophysics Field SLAM Data Based on LSTM	Z. Li and H. Yu and T. Shen and Z. Li	None	2020	sousarbarb	17 May 2022 15:25:06	Duplicated
	Migratory birds-inspired navigation system for unmanned aerial vehicles	Y. Zhang and A. Chao and B. Zhao and H. Liu and X. Zhao	None	2016	sousarbarb	17 May 2022 15:25:06	Duplicated
	An Everyday Robotic System that Maintains Local Rules Using Semantic Map Based on Long-Term Episodic Memory	Y. Furuta and K. Okada and Y. Kakiuchi and M. Inaba	None	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
	Long-term Localization of Mobile Robots in Dynamic Changing Environments	X. Hu and J. Wang and W. Chen	None	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
	Long-term topological localisation for service robots in dynamic environments using spectral maps	T. Krajinik and J. P. Fentanes and O. M. Mozos and T. Duckett and J. Ekekrantz and M. Hanheide	None	2014	sousarbarb	17 May 2022 15:25:06	Duplicated
	Persistent localization and life-long mapping in changing environments using the Frequency Map Enhancement	T. Krajinik and J. P. Fentanes and M. Hanheide and T. Duckett	None	2016	sousarbarb	17 May 2022 15:25:06	Duplicated
	FrEMEn: Frequency Map Enhancement for Long-Term Mobile Robot Autonomy in Changing Environments	T. Krajinik and J. P. Fentanes and J. M. Santos and T. Duckett	IEEE Transactions on Robotics	2017	sousarbarb	17 May 2022 15:25:06	Duplicated
	Mining visual phrases for long-term visual SLAM	T. Kanji and C. Yuuto and A. Masatoshi	None	2014	sousarbarb	17 May 2022 15:25:06	Duplicated
	Robot-Assisted Backscatter Localization for IoT Applications	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	IEEE Transactions on Wireless Communications	2020	sousarbarb	17 May 2022 15:25:06	Duplicated
	LLama-SLAM: Learning High-Quality Visual Landmarks for Long-Term Mapping and Localization	S. Lüthardt and V. Willert and J. Adamy	None	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
	A General Framework for Lifelong Localization and Mapping in Changing Environment	M. Zhao and X. Guo and L. Song and B. Qin and X. Shi and G. H. Lee and G. Sun	None	2021	sousarbarb	17 May 2022 15:25:30	Duplicated
	Efficient Long-term Mapping in Dynamic Environments	M. T. Lázaro and R. Capobianco and G. Grisetti	None	2018	sousarbarb	17 May 2022 15:25:30	Duplicated
	Erasing bad memories: Agent-side summarization for long-term mapping	M. Dymczyk and T. Schneider and I. Gilitschenski and R. Siegwart and E. Stumm	None	2016	sousarbarb	17 May 2022 15:25:30	Duplicated
	Appearance-based landmark selection for efficient long-term visual localization	M. Bürki and I. Gilitschenski and E. Stumm and R. Siegwart and J. Nieto	None	2016	sousarbarb	17 May 2022 15:25:30	Duplicated
	Robust SLAM Systems: Are We There Yet?	M. Bujanca and X. Shi and M. Spear and P. Zhao and B. Lennox and M. Luján	None	2021	sousarbarb	17 May 2022 15:25:30	Duplicated

Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
	Research on object recognition using bag of word model for mobile robot navigation	J.-F. Yang and K. Wang and M.-A. Li and L. Liu	None	2011	sousarbarb	17 May 2022 15:25:30	Duplicated
	High level assisted control mode based on SLAM for a remotely controlled robot	J.-C. Devaux and P. Nadrag and E. Colle and P. Hoppenot	None	2011	sousarbarb	17 May 2022 15:25:30	Duplicated
	SemanticFusion: Dense 3D semantic mapping with convolutional neural networks	J. McCormac and A. Handa and A. Davison and S. Leutenegger	None	2017	sousarbarb	17 May 2022 15:25:30	Duplicated
	Weighted Grid Partitioning for Panel-Based Bathymetric SLAM	J. Jang and J. Kim	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
	Simultaneous map building and localization for an autonomous mobile robot	J. J. Leonard and H. F. Durrant-Whyte	None	1991	sousarbarb	17 May 2022 15:25:30	Duplicated
	Distributed real-time cooperative localization and mapping using an uncertainty-aware expectation maximization approach	J. Dong and E. Nelson and V. Indelman and N. Michael and F. Dellaert	None	2015	sousarbarb	17 May 2022 15:25:30	Duplicated
	PERSES-a vision-based interactive mobile shopping assistant	H.-M. Gross and H.-J. Boehme	None	2000	sousarbarb	17 May 2022 15:25:30	Duplicated
	Domain-Invariant Similarity Activation Map Contrastive Learning for Retrieval-Based Long-Term Visual Localization	H. Hu and H. Wang and Z. Liu and W. Chen	IEEE/CAA Journal of Automatica Sinica	2022	sousarbarb	17 May 2022 15:25:30	Duplicated
	Visual topometric localization	H. Badino and D. Huber and T. Kanade	None	2011	sousarbarb	17 May 2022 15:25:30	Duplicated
	Lightweight SLAM with automatic orientation correction using 2D LiDAR scans	G. Péter and B. Kiss	None	2020	sousarbarb	17 May 2022 15:25:30	Duplicated
	Geometry-based Graph Pruning for Lifelong SLAM	G. Kurz and M. Holoch and P. Biber	None	2021	sousarbarb	17 May 2022 15:25:30	Duplicated
	1-Day Learning, 1-Year Localization: Long-Term LiDAR Localization Using Scan Context Image	G. Kim and B. Park and A. Kim	IEEE Robotics and Automation Letters	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
	An adaptive appearance-based map for long-term topological localization of mobile robots	F. Dayoub and T. Duckett	None	2008	sousarbarb	17 May 2022 15:25:30	Duplicated
	Robust Place Recognition and Loop Closing in Laser-Based SLAM for UGVs in Urban Environments	F. Cao and Y. Zhuang and H. Zhang and W. Wang	IEEE Sensors Journal	2018	sousarbarb	17 May 2022 15:25:30	Duplicated
	Dense Multi-Planar Scene Estimation from a Sparse Set of Images	A. Argiles and J. Civera and L. Montesano	None	2011	sousarbarb	17 May 2022 15:59:19	Duplicated
	Multi-Specific Neuro-Cognitive Adaptation for Legged Locomotion Robots	A. A. Saputra and K. Wada and S. Masuda and N. Kubota	Research Square	2021	sousarbarb	17 May 2022 15:59:19	Rejected
	Simultaneous Positioning And Map Construction of Mobile Robots Based on The Cartographer Algorithm	Y. Guihua and L. Zhiyi and T. Weiwei	None	2019	sousarbarb	17 May 2022 15:31:55	Duplicated
	Are We Ready for Service Robots? The OpenLORIS-Scene Datasets for Lifelong SLAM	X. Shi and D. Li and P. Zhao and Q. Tian and Y. Tian and Q. Long and C. Zhu and J. Song and F. Qiao and L. Song and Y. Guo and Z. Wang and Y. Zhang and B. Qin and W. Yang and F. Wang and R. H. M. Chan and Q. She	None	2020	sousarbarb	17 May 2022 15:25:56	Duplicated
	Real-Time, Environmentally-Robust 3D LiDAR Localization	Y. Zhu and B. Xue and L. Zheng and H. Huang and M. Liu and R. Fan	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
	Vision-Aided Multi-UAV Autonomous Flocking in GPS-Denied Environment	Y. Tang and Y. Hu and J. Cui and F. Liao and M. Lao and F. Lin and R. S. H. Teo	IEEE Transactions on Industrial Electronics	2019	sousarbarb	17 May 2022 15:25:30	Duplicated

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		An Everyday Robotic System that Maintains Local Rules Using Semantic Map Based on Long-Term Episodic Memory	Y. Furuta and K. Okada and Y. Kakuchi and M. Inaba	None	2018	sousarbarb	17 May 2022 15:25:30	Duplicated
□		A Life-Long SLAM Approach Using Adaptable Local Maps Based on Rasterized LIDAR Images	W. Ali and P. Liu and R. Ying and Z. Gong	IEEE Sensors Journal	2021	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Long-term topological localisation for service robots in dynamic environments using spectral maps	T. Krajinik and J. P. Fentanes and O. M. Mozos and T. Duckett and J. Ekekrantz and M. Hanheide	None	2014	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Persistent localization and life-long mapping in changing environments using the Frequency Map Enhancement	T. Krajinik and J. P. Fentanes and M. Hanheide and T. Duckett	None	2016	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Lifelong localization of a mobile service-robot in everyday indoor environments using omnidirectional vision	S. Hochdorfer and M. Lutz and C. Schlegel	None	2009	sousarbarb	17 May 2022 15:25:30	Duplicated
□		An Optimization Technique for Positioning Multiple Maps for Self-Driving Car's Autonomous Navigation	S. Dominguez and B. Khomutenko and G. Garcia and P. Martinet	None	2015	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Robust Loop-Closure Detection with a Learned Illumination Invariant Representation for Robot vSLAM	S. Chen and J. Wu and Y. Wang and L. Zhou and Q. Lu and Y. Zhang	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
□		A framework for RF-Visual SLAM	S. Anwar and Q. Zhao and N. Qadeer and S. I. Khan	None	2013	sousarbarb	17 May 2022 15:25:30	Duplicated
□		A B-Spline Mapping Framework for Long-Term Autonomous Operations	R. T. Rodrigues and A. P. Aguiar and A. Pascoal	None	2018	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Long-term human affordance maps	R. Limosani and L. Y. Morales and J. Even and F. Ferreri and A. Watanabe and F. Cavallo and P. Dario and N. Hagita	None	2015	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Research of large-scale offline map management in visual SLAM	Q. Shen and H. Sun and P. Ye	None	2017	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Long-term Place Recognition through Worst-case Graph Matching to Integrate Landmark Appearances and Spatial Relationships	P. Gao and H. Zhang	None	2020	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Lifelong Mapping using Adaptive Local Maps	N. Banerjee and D. Lisin and J. Briggs and M. Llofriu and M. E. Munich	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
□		Multi-robot Map Updating in Dynamic Environments	F. Abrate and B. Bona and M. Indri and S. Rosa and F. Tibaldi	None	2013	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Long-Term Visual Localization Using Semantically Segmented Images	E. Stenborg and C. Toft and L. Hammarstrand	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Robotic Discovery of the Auditory Scene	E. Martinson and A. Schultz	None	2007	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Particle Filter Based Robot Self-localization Using RGBD Cues and Wheel Odometry Measurements	E. Gao and Z. Chen and Q. Gao	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Efficient Map Compression for Collaborative Visual SLAM	D. V. Opdenbosch and T. Aykut and M. Oelsch and N. Alt and E. Steinbach	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Robust Sound Source Mapping Using Three-layered Selective Audio Rays for Mobile Robots	D. Su and K. Nakamura and K. Nakadai and J. V. Miro	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated

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□		Optical Flow Localisation and Appearance Mapping (OFLAAM) for Long-Term Navigation		D. Pastor-Moreno and H.-S. Shin and A. Waldock		None		2015		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Towards Exteroceptive Based Localisation		D. J. Spero and R. A. Jarvis		None		2005		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		SLAMinDB: Centralized Graph Databases for Mobile Robotics		D. Fourie and S. Claassens and S. Pillai and R. Mata and J. Leonard		None		2017		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Mobile Robotics in the Long Term		D. Austin and L. Fletcher and A. Zelinsky				2001		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Work Smart, Not Hard: Recalling Relevant Experiences for Vast-Scale but Time-Constrained Localisation		C. Linegar and W. Churchill and P. Newman		None		2015		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		NASA Space Robotics Challenge 2 Qualification Round: An Approach to Autonomous Lunar Rover Operations		C. Kilic and B. M. R. and C. A. Tatsch and J. Beard and J. Strader and S. Das and D. Ross and Y. Gu and G. A. S. Pereira and J. N. Gross		IEEE Aerospace and Electronic Systems Magazine		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Enabling Robust Localization for Automated Guided Carts in Dynamic Environments		C. Hansen and K. Fuerstenberg		None		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Past, Present, and Future of Simultaneous Localization and Mapping: Toward the Robust-Perception Age		C. Cadena and L. Carlone and H. Carrillo and Y. Latif and D. Scaramuzza and J. Neira and I. Reid and J. J. Leonard		IEEE Transactions on Robotics		2016		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		BundleTrack: 6D Pose Tracking for Novel Objects without Instance or Category-Level 3D Models		B. Wen and K. Bekris		None		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		DynaSLAM: Tracking, Mapping and Inpainting in Dynamic Scenes [arXiv]		B. Bescos and J. M. FÃ©cil and J. Civera and J. Neira		arXiv		2018		sousarbarb		17 May 2022 15:59:20		Rejected	
□		Natural Landmark-based Monocular Localization for MAVs		A. Wendel and A. Irschara and H. Bischof		None		2011		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from 3-D Lidar Scans		A. Schaefer and D. BÃ¼scher and J. Vertenten and L. Luft and W. Burgard		None		2019		sousarbarb		17 May 2022 15:59:19		Duplicated	
□		FAB-MAP + RatSLAM: Appearance-based SLAM for Multiple Times of Day		A. J. Glover and W. P. Maddern and M. J. Milford and G. F. Wyeth		None		2010		sousarbarb		17 May 2022 15:59:19		Duplicated	
□		Using UHF-RFID Signals for Robot Localization Inside Pipelines		A. Gunatilake and M. Galea and K. Thiyagarajan and S. Kodagoda and L. Piyathilaka and P. Darji		None		2021		sousarbarb		17 May 2022 15:59:19		Duplicated	
□		Visual Memory Update for Life-Long Mobile Robot Navigation		J. Courbon and H. Korrapati and Y. Mezouar		None		2013		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		The Quest For "Always-On" Autonomous Mobile Robots		J. Biswas		None		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Intelligent Robotics in High School: An Educational Paradigm for the Industry 4.0 Era		I. Verner and D. Cuperman and T. Romm and M. Reitman and S. K. Chong and Z. Gong		The Challenges of the Digital Transformation in Education. ICL 2018. Advances in Intelligent Systems and Computing		2020		sousarbarb		17 May 2022 15:59:20		Rejected	
□		Vehicle Navigation by Visual Navigational Aids for Automatic Lunar Mission		I. Ostroumov and N. Kuzmenko		None		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	

<input type="checkbox"/>	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		Towards Elderly Assistance Identification for Service Robot Using Combination of Mappings	I. M. Murwantara and B. Hardjono and A. S. Putra and H. Tjahyadi	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
□		PERSES-a vision-based interactive mobile shopping assistant	H.-M. Gross and H.-J. Boehme	None	2000	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Radar-on-Lidar: metric radar localization on prior lidar maps	H. Yin and Y. Wang and L. Tang and R. Xiong	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Self-Supervised Learning of Lidar Segmentation for Autonomous Indoor Navigation	H. Thomas and B. Agro and M. Gridseth and J. Zhang and T. D. Barfoot	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Lifelong Map Learning for Graph-based SLAM in Static Environments	H. Kretzschmar and G. Grisetti and C. Stachniss	KI - KÄnstliche Intelligenz	2010	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Information-theoretic compression of pose graphs for laser-based SLAM	H. Kretzschmar and C. Stachniss	The International Journal of Robotics Research	2012	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Vehicle Pose Estimation and SONAR Sensor Based Mapping	H. Ismail and B. Balachandran	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Session Summary	H. Inoue		2005	sousarbarb	17 May 2022 15:59:20	Rejected
□		Map Updating Revisited for Navigation Map	H. Chen and Z. Wang and Q. Zhu		2021	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Lightweight SLAM with automatic orientation correction using 2D LiDAR scans	G. PÃ©ter and B. Kiss	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
□		LT-mapper: A Modular Framework for LiDAR-based Lifelong Mapping [arXiv]	G. Kim and A. Kim	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Unsupervised Place Discovery for Visual Place Classification [arXiv]	F. Xiaoxiao and T. Kanji and I. Kouya	arXiv	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Long-term 3D map maintenance in dynamic environments	F. Pomerleau and P. KrÃ¼si and F. Colas and P. Furgale and R. Siegwart	None	2014	sousarbarb	17 May 2022 15:59:20	Duplicated
□		ViPR: Visual-Odometry-aided Pose Regression for 6DoF Camera Localization	F. Ott and T. Feigl and C. LÃ¶ffler and C. Mutschler	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Learning to calibrate: Reinforcement learning for guided calibration of visual-inertial rigs	F. Nobre and C. Heckman	The International Journal of Robotics Research	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Review of Underwater SLAM Techniques	F. Hidalgo and T. BrÃ¤unl	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Long-term experiments with an adaptive spherical view representation for navigation in changing environments	F. Dayoub and G. Cielniak and T. Duckett	Robotics and Autonomous Systems	2011	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Visual Place Recognition via Robust ℓ_2 -Norm Distance Based Holism and Landmark Integration	K. Liu and H. Wang and F. Han and H. Zhang	Proceedings of the AAAI Conference on Artificial Intelligence	2019	sousarbarb	17 May 2022 15:59:20	Duplicated

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	LB01 SIX WEEKS OF SOFOSBUVIR/LEDIPASVIR TREATMENT OF ACUTE HEPATITIS C VIRUS GENOTYPE 1 MONOINFECTION: FINAL RESULTS OF THE THE GERMAN HEPNET ACUTE HCV IV STUDY	K. Deterding and C. D. Spinner and E. Schott and T. M. Welzel and G. Gerken and H. Klinker and U. Spengler and J. Wiegand and J. S. Z. Wiesch and A. Pathil and M. Cornberg and A. Umgelter and C. Zäßlin and S. Zeuzem and A. Papkalla and K. Weber and S. Hardtke and H. Leyen and A. Koch and D. Witzendorff and M. Manns and H. Wedemeyer and C. M. Preda and C. P. Popescu and C. Baicus and M. Manuc and R. Voiosu and E. Ceausu and L. Fulger and A. Nisanian and C. S. Pop and A. Oproiu and A. Arezzo and R. Passera and A. Bullano and Y. Mintz and A. KEDAR and L. Boni and E. Cassinotti and R. Rosati and U. Fumagalli and M. Sorrentino and M. Brizzolari and N. D. Lorenzo and A. L. Gaspari and D. Andreone and E. D. Stefani and G. Navarra and S. Lazzara and M. Degiuli and K. Shishin and I. Khatkov and I. Kazakov and R. Schrittweiser and T. Carus and A. Corradi and G. Sitzman and A. Lacy and S. Uranues and A. Szold and M. A. Bonino and M. Morino and J. Strömberg and G. Sandblom and R. Coelen and M.	UEG Journal	2016	sousarbarb	17 May 2022 15:59:20	Rejected
	Visual Robot Localization Using Compact Binary Landmarks	K. Ikeda and K. Tanaka	None	2010	sousarbarb	17 May 2022 15:59:20	Duplicated
	Characterising an indoor environment with a mobile robot and uncalibrated stereo	K. B. Sarachik	None	1989	sousarbarb	17 May 2022 15:59:20	Duplicated
	Robust mobile robot localization in highly non-static environments	J.-S. Lee and W. K. Chung	Autonomous Robots	2010	sousarbarb	17 May 2022 15:59:20	Duplicated
	Absolute Stereo SFM without Stereo Correspondence for Vision based SLAM	J.-H. Kim and M. J. Chung	Proceedings of the 2005 IEEE International Conference on Robotics and Automation	2005	sousarbarb	17 May 2022 15:59:20	Rejected
	Research on Object Recognition Using Bag of Word Model for Mobile Robot Navigation	J.-F. Yang and K. Wang and M.-A. Li and L. Liu	None	2011	sousarbarb	17 May 2022 15:59:20	Duplicated
	Evaluation of Navigation in Mobile Robots for Long-Term Autonomy in Automotive Manufacturing Environments	J. S. Gill and M. Tomaszewski and Y. Jia and P. Pisu and V. N. Krovi	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Identifying robust landmarks in feature-based maps	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated

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	Updating the visibility of a feature-based map for long-term maintenance	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	BiCamSLAM: Two times mono is more than stereo	J. S. and A. Monin and M. Devy	None	2007	sousarbarb	17 May 2022 15:59:20	Duplicated
	Enhanced Monte Carlo Localization with Visual Place Recognition for Robust Robot Localization	J. PÃ©rez and F. Caballero and L. Merino	Journal of Intelligent & Robotic Systems	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	Long-Term Map Maintenance in Complex Environments	J. Oliveira and F. Mutz and A. Forechi and P. Azevedo and T. Oliveira-Santos and A. F. D. Souza and C. Badue	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Survey on advances on terrain based navigation for autonomous underwater vehicles	J. Melo and A. Matos	Ocean Engineering	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
	OverlapTransformer: An Efficient and Rotation-Invariant TransformerNetwork for LiDAR-Based Place Recognition [arXiv]	J. Ma and J. Zhang and J. Xu and R. Ai and W. Gu and C. Stachniss and X. Chen	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
	In Vivo Parathyroid Hormone Treatment Expands All Multipotent Primitive Hematopoietic Cell Subsets.	J. M. Weber and B. J. Frisch and R. L. Porter and O. Bromberg and A. J. Olm-shipman and H. Awad and L. M. Calvi	Blood	2009	sousarbarb	17 May 2022 15:59:20	Rejected
	Acquiring Semantically Meaningful Models for Robotic Localization, Mapping and Target Recognition	J. Kosecka		2014	sousarbarb	17 May 2022 15:59:20	Rejected
	Weighted Grid Partitioning for Panel-Based Bathymetric SLAM	J. Jang and J. Kim	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Mapping and Localization using Semantic Road Marking with Centimeter-level Accuracy in Indoor Parking Lots	J. Hu and M. Yang and H. Xu and Y. He and C. Wang	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	MOARSLAM: Multiple Operator Augmented RSLAM	J. G. Morrison and D. GÃ¡lvez-LÃ³pez and G. Sibley	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Online Global Loop Closure Detection for Large-Scale Multi-Session Graph-Based SLAM	M. LabbÃ© and F. Michaud	None	2014	sousarbarb	17 May 2022 15:59:20	Duplicated
	Multi-Robot 6D Graph SLAM Connecting Decoupled Local Reference Filters	M. J. Schuster and C. Brandl and H. Hirschmuller and M. Suppa and M. Beetz	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	SDR-4X II: A Small Humanoid as an Entertainer in Home Environment	M. Fujita and K. Sabe and Y. Kuroki and T. Ishida and T. T. Doi	Robotics Research. The Eleventh International Symposium. Springer Tracts in Advanced Robotics	2005	sousarbarb	17 May 2022 15:59:20	Rejected
	Erasing Bad Memories: Agent-Side Summarization for Long-Term Mapping	M. Dymczyk and T. Schneider and I. Gilitschenski and R. Siegwart and E. Stumm	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	PHALANX: Expendable projectile sensor networks for planetary exploration	M. Dille and D. Nuch and S. Gupta and S. McCabe and N. Verzic and T. Fong and U. Wong	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Localizing Ground Penetrating RADAR: A Step Toward Robust Autonomous Ground Vehicle Localization	M. Cornick and J. Koehling and B. Stanley and B. Zhang	Journal of Field Robotics	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Map Management for Efficient Long-Term Visual Localization in Outdoor Environments	M. BÃ¼rki and M. Dymczyk and I. Gilitschenski and C. Cadena and R. Siegwart and J. Nieto	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
□		Appearance-Based Landmark Selection for Efficient Long-Term Visual Localization		M. BÄ¼rki and I. Gilitschenski and E. Stumm and R. Siegwart and J. Nieto		None		2016		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Robust SLAM Systems: Are We There Yet?		M. Bujanca and X. Shi and M. Spear and P. Zhao and B. Lennox and M. Luj��n		None		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Keypoint design and evaluation for place recognition in 2D lidar maps		M. Bosse and R. Zlot		Robotics and Autonomous Systems		2009		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Long-Term Localization With Time Series Map Prediction for Mobile Robots in Dynamic Environments		L. Wang and W. Chen and J. Wang		None		2020		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Topological local-metric framework for mobile robots navigation: a long term perspective		L. Tang and Y. Wang and X. Ding and H. Yin and R. Xiong and S. Huang		Autonomous Robots		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Explicit feature disentanglement for visual place recognition across appearance changes		L. Tang and Y. Wang and Q. Tan and R. Xiong		International Journal of Advanced Robotic Systems		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		An Open-source Bio-inspired Solution to Underwater SLAMâ™...		L. Silveira and F. Guth and P. Drews-Jr and P. Ballester and M. Machado and F. Codevilla and N. Duarte-Filho and S. Botelho		IFAC-PapersOnLine		2015		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Appearance-Based Loop Closure Detection via Locality-Driven Accurate Motion Field Learning		K. Zhang and X. Jiang and J. Ma		IEEE Transactions on Intelligent Transportation Systems		2022		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		A Unified Framework for Mutual Improvement of SLAM and Semantic Segmentation		K. Wang and Y. Lin and L. Wang and L. Han and M. Hua and X. Wang and S. Lian and B. Huang		None		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Fault-Diagnosing Deep-Visual-SLAM for 3D Change Object Detection		K. Tanaka		Journal of Advanced Computational Intelligence and Intelligent Informatics		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Deformable Map Matching to Handle Uncertain Loop-Less Maps		K. Tanaka		Journal of Advanced Computational Intelligence and Intelligent Informatics		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Obstacle Avoidance and Path Planning for Humanoid Robots using Stereo Vision		K. Sabe and M. Fukuchi and J.-S. Gutmann and T. Ohashi and K. Kawamoto and T. Yoshigahara		None		2004		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Selective memory: Recalling relevant experience for long-term visual localization		K. MacTavish and M. Paton and T. D. Barfoot		Journal of Field Robotics		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Continuous Localization and Navigation of Mobile Robots		K. P. Graves				1997		sousarbarb		17 May 2022 15:59:20		Rejected	
□		On the Redundancy Detection in Keyframe-based SLAM		P. Schmuck and M. Chli		None		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Slam-Loop Closing with Visually Salient Features		P. Newman and K. Ho		None		2005		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Summary Maps for Lifelong Visual Localization		P. MÄ¼hlfellner and M. BÄ¼rki and M. Bosse and W. Derendarz and R. Philippson and P. Furgale		Journal of Field Robotics		2016		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		PoseMap: Lifelong, Multi-Environment 3D LiDAR Localization		P. Egger and P. V. K. Borges and G. Catt and A. Pfrunder and R. Siegwart and R. Dub��o		None		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		SWIMMER: Innovative IMR AUV		N. Tito and E. Rambaldi		Offshore Technology Conference		2009		sousarbarb		17 May 2022 15:59:20		Rejected	

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	Dynamic Map Update of Non-static Facility Logistics Environment with a Multi-robot System	N. Shaik and T. Liebig and C. Kirsch and H. MÃ¼ller	None	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
	Improving Image Description with Auxiliary Modality for Visual Localization in Challenging Conditions	N. Piasco and D. SidiÃ© and V. Gouet-Brunet and C. Demonceaux	International Journal of Computer Vision	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Tightly Coupled Semantic RGB-D Inertial Odometry for Accurate Long-Term Localization and Mapping	N. Patel and F. Khorrami and P. Krishnamurthy and A. Tzes	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Preventing and Correcting Mistakes in Lifelong Mapping	N. Banerjee and D. Lisin and V. Albanese and Z. Zhu and S. R. Lenser and J. Shriver and T. Ramaswamy and J. Briggs and P. Fong	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Lifelong Mapping using Adaptive Local Maps	N. Banerjee and D. Lisin and J. Briggs and M. Llofriu and M. E. Munich	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Sensors, SLAM and Long-term Autonomy: A Review [arXiv]	M. Zaffar and S. Ehsan and R. Stolk and K. M. Maier	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
	SDF-Loc: Signed Distance Field based 2D Relocalization and Map Update in Dynamic Environments	M. Zhang and Y. Chen and M. Li	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Sensors, SLAM and Long-term Autonomy: A Review	M. Zaffar and S. Ehsan and R. Stolk and K. M. Maier	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Evidential SLAM Fusing 2D Laser Scanner and Stereo Camera	M. Valente and C. Joly and A. D. L. Fortelle	Unmanned Systems	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Exploiting Machine Learning for Vision and Motion Planning of Autonomous Vehicles Navigation	M. Rutendo and M. A. A. Akkad	Intellekt. Sist. Proizv.	2021	sousarbarb	17 May 2022 15:59:20	Rejected
	Tightly-Coupled Monocular Visual-Odometric SLAM Using Wheels and a MEMS Gyroscope	M. Quan and S. Piao and M. Tan and S.-S. Huang	IEEE Access	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	R-LOAM: Improving LiDAR Odometry and Mapping With Point-to-Mesh Features of a Known 3D Reference Object	M. Oelsch and M. Karimi and E. Steinbach	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	High-definition map update framework for intelligent autonomous transfer vehicles	M. O. Tas and H. S. Yavuz and A. Yazici	Journal of Experimental & Theoretical Artificial Intelligence	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	RTAB-Map as an open-source lidar and visual simultaneous localization and mapping library for large-scale and long-term online operation	M. LabbÃ© and F. Michaud	Journal of Field Robotics	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Distributed stereo vision-based 6D localization and mapping for multi-robot teams	M. J. Schuster and K. Schmid and C. Brand and M. Beetz	Journal of Field Robotics	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	IMPROVEMENT OF 3D MONTE CARLO LOCALIZATION USING A DEPTH CAMERA AND TERRESTRIAL LASER SCANNER	S. Kanai and R. Hatakeyama and H. Date	ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	Visual SLAM-Based Robotic Mapping Method for Planetary Construction	S. Hong and A. Bangunharanca and J.-M. Park and M. Choi and H.-S. Shin	Sensors (Basel, Switzerland)	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Lifelong Localization of a Mobile Service-Robot in Everyday Indoor Environments Using Omnidirectional Vision	S. Hochdorfer and M. Lutz and C. Schlegel	None	2009	sousarbarb	17 May 2022 15:59:20	Duplicated
	Simultaneous Localization and Mapping (SLAM) using RTAB-MAP [arXiv]	S. Das	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
	Uncalibrated Monocular based Simultaneous Localization and Mapping for Indoor Autonomous Mobile Robot Navigation	S. Fu and G. Yang	None	2009	sousarbarb	17 May 2022 15:59:20	Duplicated

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	Visual Localization Using Sparse Semantic 3D Map	T. Shi and S. Shen and X. Gao and L. Zhu	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Vision-Based Markov Localization Across Large Perceptual Changes	T. Naseer and B. Suger and M. Ruhnke and W. Burgard	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	AUV robust bathymetric simultaneous localization and mapping	T. Ma and Y. Li and R. Wang and Z. Cong and Y. Gong	Ocean Engineering	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Persistent Localization and Life-Long Mapping in Changing Environments Using the Frequency Map Enhancement	T. Krajnák and J. P. Fentanes and M. Hanheide and T. Duckett	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Mining Visual Phrases for Long-Term Visual SLAM	T. Kanji and C. Yuuto and A. Masatoshi	None	2014	sousarbarb	17 May 2022 15:59:20	Duplicated
	Mutant TRP53-R172H Has Gain-of-Function or Dominant-Negative Effects in Response to Different Hematopoietic Stressors in Mice	T. Ahmed and T. Liu and M. O. Alberti and B. Wadugu and M. Ndonwi and S. Grieb and M. J. Walter	Blood	2020	sousarbarb	17 May 2022 15:59:20	Rejected
	Visual Semantic Mapping and Localization Using Parameterized Road Lanes	S. Yang and Y. Chen and M. Li	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Terrain Aided Localisation and Mapping for Marine Environments	S. Williams and I. Mahon	None	2006	sousarbarb	17 May 2022 15:59:20	Duplicated
	Simultaneous Localisation and Mapping on the Great Barrier Reef	S. Williams and I. Mahon	None	2004	sousarbarb	17 May 2022 15:59:20	Duplicated
	A Terrain-Aided Tracking Algorithm for Marine Systems	S. Williams and I. Mahon	Field and Service Robotics. Springer Tracts in Advanced Robotics	2003	sousarbarb	17 May 2022 15:59:20	Accepted
	Omnidirectional Multisensory Perception Fusion for Long-Term Place Recognition	S. Siva and H. Zhang	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Robust outdoor visual localization using a three-dimensional edge map	S. Nuske and J. Roberts and G. Wyeth	Journal of Field Robotics	2009	sousarbarb	17 May 2022 15:59:20	Duplicated
	FLAME: Feature-Likelihood Based Mapping and Localization for Autonomous Vehicles	S. Pang and D. Kent and D. Morris and H. Radha	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Opportunistic sampling-based active visual SLAM for underwater inspection	S. M. Chaves and A. Kim and E. Galceran and R. M. Eustice	Autonomous Robots	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	The Hulk: Design and Development of a Weather-Proof Vehicle for Long-Term Autonomy in Outdoor Environments	S. Kyberd and J. Attias and P. Get and P. Murcutt and C. Prahalas and M. Towler and S. Venn and A. Vasconcelos and M. Gadd and D. Martini and P. Newman	Field and Service Robotics. Springer Proceedings in Advanced Robotics	2021	sousarbarb	17 May 2022 15:59:20	Rejected
	RadarSLAM: A robust simultaneous localization and mapping system for all weather conditions	Z. Hong and Y. Petillot and A. Wallace and S. Wang	The International Journal of Robotics Research	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
	Real-Time, Environmentally-Robust 3D LiDAR Localization [arXiv]	Y. Zhu and B. Xue and L. Zheng and H. Huang and M. Liu and R. Fan	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
	Radar SLAM: A Robust SLAM System for All Weather Conditions [arXiv]	Z. Hong and Y. Petillot and A. Wallace and S. Wang	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
	Geometric Mapping for Sustained Indoor Autonomy	Z. Hashemifar and K. W. Lee and N. Napp and K. Dantu	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated

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		Migratory Birds-Inspired Navigation System for Unmanned Aerial Vehicles	Y. Zhang and A. Chao and B. Zhao and H. Liu and X. Zhao		2016	sousarbarb	17 May 2022 15:59:20	Duplicated
		New Trend in Front-End Techniques of Visual SLAM: From Hand-Engineered Features to Deep-Learned Features	Y. Wang and Y. Fu and R. Zheng and L. Wang and J. Qi	None	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
		Vision-Aided Multi-UAV Autonomous Flocking in GPS-Denied Environment	Y. Tang and Y. Hu and J. Cui and F. Liao and M. Lao and F. Lin and R. S. H. Teo	IEEE Transactions on Industrial Electronics	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
		Bio-inspired Relocalization for Indoor Robots in Visual Ambiguous Scenarios	Y. Long and R. Jiang and F. Ye	None	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
		Realizing, Reversing, Recovering: Incremental Robust Loop Closing over time using the iRRR algorithm	Y. Latif and C. Cadena and J. Neira	None	2012	sousarbarb	17 May 2022 15:59:20	Duplicated
		An Everyday Robotic System that Maintains Local Rules Using Semantic Map Based on Long-Term Episodic Memory	Y. Furuta and K. Okada and Y. Kakiuchi and M. Inaba	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
		A New Landmark Detection Approach for Slam Algorithm Applied in Mobile Robot	X.-H. Nguyen and V.-H. Nguyen and T.-T. Ngo	Journal of Science and Technology - Technical Universities	2020	sousarbarb	17 May 2022 15:59:20	Accepted
		Keyframes retrieval for robust long-term visual localization in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and M. Dhorne	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
		DiSCO: Differentiable Scan Context With Orientation	X. Xu and H. Yin and Z. Chen and Y. Li and Y. Wang and R. Xiong	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
		Autonomous Vehicle Localization with Prior Visual Point Cloud Map Constraints in GNSS-Challenged Environments	X. Lin and F. Wang and B. Yang and W. Zhang	Remote Sensing	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
		Persistent Stereo Visual Localization on Cross-Modal Invariant Map	X. Ding and Y. Wang and R. Xiong and D. Li and L. Tang and H. Yin and L. Zhao	IEEE Transactions on Intelligent Transportation Systems	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
		Communication constrained cloud-based long-term visual localization in real time	X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
		Novel robust simultaneous localization and mapping for long-term autonomous robots	W. Wei and X. Zhu and Y. Wang	Frontiers of Information Technology & Electronic Engineering	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
		Real-time Kinematic Ground Truth for the Oxford RobotCar Dataset [arXiv]	W. Maddern and G. Pascoe and M. Gadd and D. Barnes and B. Yeomans and P. Newman	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
		Capping Computation Time and Storage Requirements for Appearance-based Localization with CAT-SLAM	W. Maddern and M. Milford and G. Wyeth	None	2012	sousarbarb	17 May 2022 15:59:20	Duplicated
		A Life-Long SLAM Approach Using Adaptable Local Maps Based on Rasterized LIDAR Images	W. Ali and P. Liu and R. Ying and Z. Gong	IEEE Sensors Journal	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
		Online and Incremental Appearance-based SLAM in Highly Dynamic Environments	A. Kawewong and N. Tongprasit and S. Tangruamsub and O. Hasegawa	International Journal of Robotics Research	2011	sousarbarb	17 May 2022 16:40:00	Duplicated
		PIRF-Nav 2.0: Fast and online incremental appearance-based loop-closure detection in an indoor environment	A. Kawewong and N. Tongprasit and O. Hasegawa	Robotics and Autonomous Systems	2011	sousarbarb	17 May 2022 16:40:00	Duplicated
		OpenCSI: An Open-Source Dataset for Indoor Localization Using CSI-Based Fingerprinting [arXiv]	A. Gassner and C. Musat and A. Rusu and A. Burg	arXiv	2021	sousarbarb	17 May 2022 16:40:00	Rejected
		Improving Visual SLAM in Car-Navigated Urban Environments with Appearance Maps	A. Jaenal and D. Zuniga-Noel and R. Gomez-Ojeda and J. Gonzalez-Jimenez	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:00	Duplicated

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	FAB-MAP + RatSLAM: Appearance-based SLAM for multiple times of day	A. J. Glover and W. P. Maddern and M. J. Milford and G. F. Wyeth	2010 IEEE International Conference on Robotics and Automation (ICRA 2010)	2010	sousarbarb	17 May 2022 16:40:00	Duplicated
	Using UHF-RFID Signals for Robot Localization Inside Pipelines	A. Gunalilake and M. Galea and K. Thiagarajan and S. Kodagoda and L. Piyathilaka and P. Darij	2021 IEEE 16th Conference on Industrial Electronics and Applications (ICIEA)	2021	sousarbarb	17 May 2022 16:40:00	Duplicated
	Dense multi-planar scene estimation from a sparse set of images	A. Argiles and J. Civera and L. Montesano	2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2011)	2011	sousarbarb	17 May 2022 16:40:00	Duplicated
	Active vision for door localization and door opening using Playbot: a computer controlled wheelchair for people with mobility impairments	A. Andreopoulos and J. K. Tsotsos	Proceedings of the Fifth Canadian Conference on Computer and Robot Vision	2008	sousarbarb	17 May 2022 16:40:00	Duplicated
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	DEä€ SLAM: SLAM for highly dynamic environment	Z. Xing and X. Zhu and D. Dong	Journal of Field Robotics	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
	A real-time visual-inertial mapping and localization method by fusing unstable GPS	Z. Zhang and H. Wang and W. Chen	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	PLSAV: Parallel loop searching and verifying for loop closure detection	Z. Yang and Y. Pan and L. Deng and Y. Xie and R. Huan	IET Intelligent Transport Systems	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Pole-like Objects Mapping and Long-Term Robot Localization in Dynamic Urban Scenarios	Z. Wang and S. Li and M. Cao and H. Chen and Y. Liu	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Towards Background Flow Based AUV Localization	Z. Song and K. Mohseni	None	2014	sousarbarb	17 May 2022 15:59:20	Duplicated
	Augmenting visual SLAM with Wi-Fi sensing for indoor applications	Z. S. Hashemifar and C. Adhivarahan and A. Balakrishnan and K. Dantu	Autonomous Robots	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	ClusterMap Building and Relocalization in Urban Environments for Unmanned Vehicles	Z. Pan and H. Chen and S. Li and Y. Liu	Sensors	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Map-less long-term localization in complex industrial environments	Z. Liu and Z. Qiao and C. Suo and Y. Liu and K. Jin	Assembly Automation	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	An 879GOPs 243mW 80fps VGA Fully Visual CNN-SLAM Processor for Wide-Range Autonomous Exploration	Z. Li and Y. Chen and L. Gong and L. Liu and D. Sylvester and D. Blaauw and H.-S. Kim	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Segmented Matching Method of Multi-Geophysics Field SLAM Data Based on LSTM	Z. Li and H. Yu and T. Shen and Z. Li	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Input Uncertainty Sensitivity Enhanced Nonsingleton Fuzzy Logic Controllers for Long-Term Navigation of Quadrotor UAVs	C. Fu and A. Sarabakha and E. Kayacan and C. Wagner and R. John and J. M. Garibaldi	IEEE/ASME Transactions on Mechatronics	2018	sousarbarb	17 May 2022 16:40:00	Duplicated

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□		Selective Combination of Visual and Thermal Imaging for Resilient Localization in Adverse Conditions: Day and Night, Smoke and Fire	C. Brunner and T. Peynot and T. Vidal-Calleja and J. Underwood	Journal of Field Robotics	2013	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Marker-Based Multi-Sensor Fusion Indoor Localization System for Micro Air Vehicles	B. Xing and Q. Zhu and F. Pan and X. Feng	Sensors	2018	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Information-based Active SLAM via topological feature graphs	B. Mu and M. Giambou and L. Paull and A.-A. Aghamohammadi and J. Leonard and J. How	2016 IEEE 55th Conference on Decision and Control (CDC)	2016	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Multi-layer VI-GNSS Global Positioning Framework with Numerical Solution aided MAP Initialization	B. Han and Z. Xiao and S. Huang and T. Zhang	2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2021	sousarbarb	17 May 2022 16:40:00	Accepted
□		A Flexible and Efficient Loop Closure Detection Based on Motion Knowledge	B. Liu and F. Tang and Y. Fu and Y. Yang and Y. Wu	2021 IEEE International Conference on Robotics and Automation (ICRA)	2021	sousarbarb	17 May 2022 16:40:00	Accepted
□		Exploring Performance Bounds of Visual Place Recognition Using Extended Precision	B. Ferrarini and M. Waheed and S. Waheed and S. Ehsan and M. J. Milford and K. D. McDonald-Maier	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 16:40:00	Rejected
□		DynSLAM: Tracking, Mapping and Inpainting in Dynamic Scenes [arXiv]	B. Bescos and J. M. Facil and J. Civera and J. Neira	arXiv	2018	sousarbarb	17 May 2022 16:40:00	Rejected
□		Long-term mapping and localization using feature stability histograms	B. Bacca and J. Salvi and X. Cufi	Robotics and Autonomous Systems	2013	sousarbarb	17 May 2022 16:40:00	Accepted
□		Appearance-based mapping and localization for mobile robots using a feature stability histogram	B. Bacca and J. Salvi and X. Cufi	Robotics and Autonomous Systems	2011	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Natural landmark-based monocular localization for MAVs	A. Wendel and A. Irschara and H. Bischof	2011 IEEE International Conference on Robotics and Automation (ICRA 2011)	2011	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Planning on topological map using omnidirectional images and spherical CNNs	A. Taniguchi and F. Sasaki and M. Muroi and R. Yamashina	Advanced Robotics	2022	sousarbarb	17 May 2022 16:40:00	Rejected
□		Improved and scalable online learning of spatial concepts and language models with mapping	A. Taniguchi and Y. Hagiwara and T. Taniguchi and T. Inamura	Autonomous Robots	2020	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Graph Optimization Methods for Large-Scale Crowdsourced Mapping	A. Stoven-Dubois and A. Dziri and B. Leroy and R. Chapuis	2020 IEEE 23rd International Conference on Information Fusion (FUSION). Proceedings	2020	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from 3-D Lidar Scans [arXiv]	A. Schaefer and D. Buscher and J. Vertens and L. Luft and W. Burgard	arXiv	2019	sousarbarb	17 May 2022 16:40:00	Rejected
□		ExMaps: Long-Term Localization in Dynamic Scenes using Exponential Decay	A. Rotsidis and C. Lutteroth and P. Hall and C. Richardt	2021 IEEE Winter Conference on Applications of Computer Vision (WACV)	2021	sousarbarb	17 May 2022 16:40:00	Duplicated
□		SIFT based monocular SLAM with multi-clouds features for indoor navigation	A. M. Ali and M. J. Nordin	2010 IEEE Region 10 Conference (TENCON 2010)	2010	sousarbarb	17 May 2022 16:40:00	Accepted
□		Loop closure detection by compressed sensing for exploration of mobile robots in outdoor environments	A. N. Ravari and H. D. Taghirad	2015 3rd RSI International Conference on Robotics and Mechatronics (ICROM). Proceedings	2015	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Resilience Perception for Active Long-term Autonomy	A. Kim	2019 19th International Conference on Control, Automation and Systems (ICCAS)	2019	sousarbarb	17 May 2022 16:40:00	Rejected
□		Sequence-based sparse optimization methods for long-term loop closure detection in visual SLAM	F. Han and H. Wang and G. Huang and H. Zhang	Autonomous Robots	2018	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Visual Odometry : Part II: Matching, Robustness, Optimization, and Applications	F. Fraundorfer and D. Scaramuzza	IEEE Robotics & Automation Magazine	2012	sousarbarb	17 May 2022 16:40:00	Rejected

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		Long-term experiment using an adaptive appearance-based map for visual navigation by mobile robots	F. Dayoub and G. Cielniak and T. Duckett	Towards Autonomous Robotic Systems. Proceedings 12th Annual Conference (TAROS 2011)	2011	sousarbarb	17 May 2022 16:40:00	Rejected
		Robust Place Recognition and Loop Closing in Laser-Based SLAM for UGVs in Urban Environments	F. Cao and Y. Zhuang and H. Zhang and W. Wang	IEEE Sensors Journal	2018	sousarbarb	17 May 2022 16:40:00	Duplicated
		Season-Invariant and Viewpoint-Tolerant LiDAR Place Recognition in GPS-Denied Environments	F. Cao and F. Yan and S. Wang and Y. Zhuang and W. Wang	IEEE Transactions on Industrial Electronics	2021	sousarbarb	17 May 2022 16:40:00	Accepted
		Fast place recognition with plane-based maps	E. Fernandez-Moral and W. Mayol-Cuevas and V. Arevalo and J. Gonzalez-Jimenez	2013 IEEE International Conference on Robotics and Automation (ICRA)	2013	sousarbarb	17 May 2022 16:40:00	Accepted
		Generic NDT mapping in dynamic environments and its application for lifelong SLAM	E. Einhorn and H.-M. Gross	Robotics and Autonomous Systems	2015	sousarbarb	17 May 2022 16:40:00	Duplicated
		Hierarchical mine production scheduling using discrete-event simulation	E. Ben-Awuah and S. Kalantari and Y. Pourrahimian and H. Askari-Nasab	International Journal of Mining and Mineral Engineering	2010	sousarbarb	17 May 2022 16:40:00	Rejected
		Efficient Map Compression for Collaborative Visual SLAM	D. V. Opdenbosch and T. Aykut and N. Alt and E. Steinbach	2018 IEEE Winter Conference on Applications of Computer Vision (WACV). Proceedings	2018	sousarbarb	17 May 2022 16:40:00	Duplicated
		Onboard detection-tracking-localization	D. Tang and Q. Fang and L. Shen and T. Hu	IEEE/ASME Transactions on Mechatronics	2020	sousarbarb	17 May 2022 16:40:00	Duplicated
		Optical flow localisation and appearance mapping (OFLAAM) for long-term navigation	D. Pastor-Moreno and H.-S. Shin and A. Waldock	2015 International Conference on Unmanned Aircraft Systems (ICUAS). Proceedings	2015	sousarbarb	17 May 2022 16:40:00	Duplicated
		Hierarchical loop detection for mobile outdoor robots	D. Lang and C. Winkens and M. Haselich and D. Paulus	Proceedings of the SPIE - The International Society for Optical Engineering	2012	sousarbarb	17 May 2022 16:40:00	Duplicated
		True scaled 6 DoF egocentric localisation with monocular wearable systems	D. Gutierrez-Gomez and J. J. Guerrero	Image and Vision Computing	2016	sousarbarb	17 May 2022 16:40:00	Rejected
		kRadar++: Coarse-to-Fine FMCW Scanning Radar Localisation	D. D. Martini and M. Gadd and P. Newman	Sensors	2020	sousarbarb	17 May 2022 16:40:00	Duplicated
		OpenRatSLAM: an open source brain-based SLAM system	D. Ball and S. Heath and J. Wiles and G. Wyeth and P. Corke and M. Milford	Autonomous Robots	2013	sousarbarb	17 May 2022 16:40:00	Duplicated
		Long-Term 3D Localization and Pose from Semantic Labellings	C. Toft and C. Olsson and F. Kahl	2017 IEEE International Conference on Computer Vision Workshops (ICCVW)	2017	sousarbarb	17 May 2022 16:40:00	Accepted
		Robust Photogeometric Localization Over Time for Map-centric Loop Closure	C. Park and S. Kim and P. Moghadam and J. Guo and S. Sridharan and C. Fookes	IEEE Robotics and Automation Letters	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
		Comparison of Two Image and Inertial Sensor Fusion Techniques for Navigation in Unmapped Environments	C. N. Taylor and M. J. Veth and J. F. Raquet and M. M. Miller	IEEE Transactions on Aerospace and Electronic Systems	2011	sousarbarb	17 May 2022 16:40:00	Duplicated
		Learning place-dependant features for long-term vision-based localisation	C. McManus and B. Upcroft and P. Newman	Autonomous Robots	2015	sousarbarb	17 May 2022 16:40:00	Duplicated
		Work smart, not hard: recalling relevant experiences for vast-scale but time-constrained localisation	C. Linegar and W. Churchill and P. Newman	2015 IEEE International Conference on Robotics and Automation (ICRA). Proceedings	2015	sousarbarb	17 May 2022 16:40:00	Duplicated
		Active SLAM in structured environments	C. Leung and S. Huang and G. Dissanayake	2008 IEEE International Conference on Robotics and Automation. The Half-Day Workshop on: Towards Autonomous Agriculture of Tomorrow	2008	sousarbarb	17 May 2022 16:40:00	Duplicated

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		NASA Space Robotics Challenge 2 Qualification Round: An Approach to Autonomous Lunar Rover Operations		C. Kilic and J. B. M. R and C. A. Tatsch and J. Beard and J. Strader and S. Das and D. Ross and Y. Gu and G. A. S. Pereira and J. N. Gross		IEEE Aerospace and Electronic Systems Magazine		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Tightly Coupled 3D Lidar Inertial Odometry and Mapping		H. Ye and Y. Chen and M. Liu		2019 International Conference on Robotics and Automation (ICRA)		2019		sousarbarb		17 May 2022 16:40:00		Rejected	
		Self-Supervised Learning of Lidar Segmentation for Autonomous Indoor Navigation		H. Thomas and B. Agro and M. Gridseth and J. Zhang and T. D. Barfoot		2021 IEEE International Conference on Robotics and Automation (ICRA)		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Self-Supervised Learning of Lidar Segmentation for Autonomous Indoor Navigation [arXiv]		H. Thomas and B. Agro and M. Gridseth and J. Zhang and T. D. Barfoot		arXiv		2020		sousarbarb		17 May 2022 16:40:00		Rejected	
		The Implementation of IMU/Stereo Vision Slam System for Mobile Robot		H. Juan-Rou and W. Zhan-Qing		2020 27th Saint Petersburg International Conference on Integrated Navigation Systems (ICINS)		2020		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Temporally scalable visual SLAM using a reduced pose graph		H. Johannsson and M. Kaess and M. Fallon and J. J. Leonard		2013 IEEE International Conference on Robotics and Automation (ICRA)		2013		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Map Updating Revisited for Navigation Map : A mathematical way to perform map updating for autonomous mobile robot		H. Chen and Z. Wang and Q. Zhu		2021 IEEE Asia-Pacific Conference on Image Processing, Electronics and Computers (IPEC)		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Domain-Invariant Similarity Activation Map Contrastive Learning for Retrieval-Based Long-Term Visual Localization		H. Hu and H. Wang and Z. Liu and W. Chen		IEEE/CAA Journal of Automatica Sinica		2022		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Lidar-based system for high-precision localization and real-time 3D map construction		G. Tong and Y. Li and Y. Li and F. Gao and L. Cao		Journal of Applied Remote Sensing		2020		sousarbarb		17 May 2022 16:40:00		Rejected	
		Towards life-long mapping of dynamic environments using temporal persistence modeling		G. Tsamis and I. Kostavelis and D. Giakoumis and D. Tzovaras		2020 25th International Conference on Pattern Recognition (ICPR)		2020		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Lightweight SLAM with automatic orientation correction using 2D LiDAR scans		G. Peter and B. Kiss		2020 23rd International Symposium on Measurement and Control in Robotics (ISMCR)		2020		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Consistency of simultaneous localization and map building (SLAM) with Rao-Blackwellised particle filter		G. Jian-hui and Z. Chun-xia and L. Jian-feng and K. Liang		Journal of System Simulation		2008		sousarbarb		17 May 2022 16:40:00		Rejected	
		Geometry-based Graph Pruning for Lifelong SLAM		G. Kurz and M. Holoch and P. Biber		2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Relaxing the planar assumption: 3D state estimation for an autonomous surface vessel		G. Hitz and F. Pomerleau and F. Colas and R. Siegwart		International Journal of Robotics Research		2015		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Unsupervised Place Discovery for Visual Place Classification [arXiv]		F. Xiaoxiao and T. Kanji and I. Kouya		arXiv		2016		sousarbarb		17 May 2022 16:40:00		Rejected	
		Simultaneous Localization and Mapping: A Survey of Current Trends in Autonomous Driving		G. Bresson and Z. Alsayed and L. Yu and S. Glaser		IEEE Transactions on Intelligent Vehicles		Sept.2017		sousarbarb		17 May 2022 16:40:00		Duplicated	
		ViPR: Visual-Odometry-aided Pose Regression for 6DoF Camera Localization		F. Ott and T. Feigl and C. Loffler and C. Muttschler		2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW). Proceedings		2020		sousarbarb		17 May 2022 16:40:00		Duplicated	
		LCPF: a particle filter lidar SLAM system with loop detection and correction		F. Nie and W. Zhang and Z. Yao and Y. Shi and F. Li and Q. Huang		IEEE Access		2020		sousarbarb		17 May 2022 16:40:00		Duplicated	

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		Rotation invariant features from omnidirectional camera images using a polar higher-order local autocorrelation feature extractor		F. Linaker and M. Ishikawa		2004 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (IEEE Cat. No.04CH37566)		2004		sousarbarb		17 May 2022 16:40:00		Duplicated	
		SRAL: shared representative appearance learning for long-term visual place recognition		F. Han and X. Yang and Y. Deng and M. Rentschler and D. Yang and H. Zhang		IEEE Robotics and Automation Letters		2017		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Selective memory: Recalling relevant experience for long-term visual localization		K. MacTavish and M. Paton and T. D. Barfoot		Journal of Field Robotics		2018		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Sequence-based mapping for probabilistic visual loop-closure detection		K. A. Tsintotas and L. Bampis and S. An and G. F. Frangulis and S. G. Mouroutsos and A. Gasteratos		2021 IEEE International Conference on Imaging Systems and Techniques (IST)		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Visual Place Recognition in Long-term and Large-scale Environment based on CNN Feature		J. Zhu and Y. Ai and B. Tian and D. Cao and S. Scherer		2018 IEEE Intelligent Vehicles Symposium (IV)		2018		sousarbarb		17 May 2022 16:40:01		Accepted	
		Neural SLAM [arXiv]		J. Zhang and L. Tai and J. Boedecker and W. Burgard and M. Liu		arXiv		2017		sousarbarb		17 May 2022 16:40:01		Rejected	
		Beyond Controlled Environments: 3D Camera Re-Localization in Changing Indoor Scenes [arXiv]		J. Wald and T. Sattler and S. Golodetz and T. Cavallari and F. Tombari		arXiv		2020		sousarbarb		17 May 2022 16:40:01		Rejected	
		LiDAR scan matching aided inertial navigation system in GNSS-denied environments		J. Tang and Y. Chen and X. Niu and L. Wang and L. Chen and J. Liu and C. Shi and J. Hyypaa		Sensors		2015		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Principles and networks for self-organization in space-time		J. Principe and N. Euliano and S. Garani		Neural Networks		2002		sousarbarb		17 May 2022 16:40:01		Rejected	
		Place Recognition for Stereo VisualOdometry using LiDAR Descriptors [arXiv]		J. Mo and J. Sattar		arXiv		2019		sousarbarb		17 May 2022 16:40:01		Rejected	
		SemanticFusion: dense 3D semantic mapping with convolutional neural networks [arXiv]		J. McCormac and A. Handa and A. Davison and S. Leutenegger		arXiv		2016		sousarbarb		17 May 2022 16:40:01		Rejected	
		SemanticFusion: Dense 3D semantic mapping with convolutional neural networks		J. McCormac and A. Handa and A. Davison and S. Leutenegger		2017 IEEE International Conference on Robotics and Automation (ICRA)		2017		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Collaborative Visual Inertial SLAM for Multiple Smart Phones		J. Liu and R. Liu and K. Chen and J. Zhang and D. Guo		2021 IEEE International Conference on Robotics and Automation (ICRA)		2021		sousarbarb		17 May 2022 16:40:01		Rejected	
		Subjective local maps for hybrid metric-topological SLAM		J. L. Blanco and J. Gonzalez and J.-A. Fernandez-Madrigal		Robotics and Autonomous Systems		2009		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Weighted Grid Partitioning for Panel-Based Bathymetric SLAM		J. Jang and J. Kim		OCEANS 2019 - Marseille		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Mapping and Localization Using Semantic Road Marking with Centimeter-level Accuracy in Indoor Parking Lots		J. Hu and M. Yang and H. Xu and Y. He and C. Wang		2019 IEEE Intelligent Transportation Systems Conference (ITSC)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Tightly-Coupled Magneto-Visual-Inertial Fusion for Long Term Localization in Indoor Environment		J. Coulin and R. Guillemard and V. Gay-Bellile and C. Joly and A. D. L. Fortelle		IEEE Robotics and Automation Letters		2022		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Direct RGB-D Visual Odometry Based on Hybrid Strategy		J. Cai and L. Luo and Q. Yu and B. Liu and S. Hu		IEEE Sensors Journal		2021		sousarbarb		17 May 2022 16:40:00		Rejected	
		Evolving Indoor Navigational Strategies Using Gated Recurrent Units In NEAT [arXiv]		J. Butterworth and R. Savani and K. Tuyls		arXiv		2019		sousarbarb		17 May 2022 16:40:00		Rejected	

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	Localization and navigation of the CoBots over long-term deployments	J. Biswas and M. M. Veloso	International Journal of Robotics Research	2013	sousarbarb	17 May 2022 16:40:00	Duplicated
	Vehicle Navigation by Visual Navigational Aids for Automatic Lunar Mission	I. Ostroumov and N. Kuzmenko	2021 IEEE 6th International Conference on Actual Problems of Unmanned Aerial Vehicles Development (APUAVD)	2021	sousarbarb	17 May 2022 16:40:00	Duplicated
	Use of classification and segmentation of sidescan sonar images for long term registration	I. Leblond and M. Legris and B. Solaiman	Oceans 2005 - Europe (IEEE Cat. No. 05EX1042)	2005	sousarbarb	17 May 2022 16:40:00	Duplicated
	Robust Vision-Aided Navigation Using Sliding-Window Factor Graphs	H.-P. Chiu and S. Williams and F. Dellaert and S. Samarasekera and R. Kumar	2013 IEEE International Conference on Robotics and Automation (ICRA)	2013	sousarbarb	17 May 2022 16:40:00	Accepted
	PERSES-a vision-based interactive mobile shopping assistant	H.-M. Gross and H.-J. Boehme	SMC 2000 Conference Proceedings. 2000 IEEE International Conference on Systems, Man and Cybernetics. 'Cybernetics Evolving to Systems, Humans, Organizations, and their Complex Interactions' (Cat. No.00CH37166)	2000	sousarbarb	17 May 2022 16:40:00	Duplicated
	View management for lifelong visual maps [arXiv]	N. Banerjee and R. C. Connolly and D. Lisin and J. Briggs and M. Narayana and M. E. Munich	arXiv	2019	sousarbarb	17 May 2022 16:40:01	Rejected
	Sensors, SLAM and Long-term Autonomy: A Review	M. Zaffar and S. Ehsan and R. Stolkin and K. M. Maier	2018 NASA/ESA Conference on Adaptive Hardware and Systems (AHS)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Efficient Multi-Drive Map Optimization towards Life-long Localization using Surround View	M. Sons and C. Stiller	2018 21st International Conference on Intelligent Transportation Systems (ITSC)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Development of Localization Method Using Magnetic Sensor and LIDAR	M. Shinohara and S. A. Rahok and K. Inoue and K. Ozaki	Transactions of the Society of Instrument and Control Engineers	2013	sousarbarb	17 May 2022 16:40:01	Rejected
	Minimalistic vision-based cognitive slam	M. Saleiro and J. M. F. Rodrigues and J. M. H. D. Buf	Proceedings of the 4th International Conference on Agents and Artificial Intelligence (ICAART 2012)	2012	sousarbarb	17 May 2022 16:40:01	Duplicated
	Tightly-Coupled Monocular Visual-Odometric SLAM Using Wheels and a MEMS Gyroscope	M. Quan and S. Piao and M. Tan and S.-S. Huang	IEEE Access	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	R-LOAM: improving LiDAR odometry and mapping with point-to-mesh features of a known 3D reference object	M. Oelsch and M. Karimi and E. Steinbach	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
	Online global loop closure detection for large-scale multi-session graph-based SLAM	M. Labbe and F. Michaud	2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014)	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
	Memory management for real-time appearance-based loop closure detection	M. Labbe and F. Michaud	2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2011)	2011	sousarbarb	17 May 2022 16:40:01	Duplicated
	Multi-robot 6D graph SLAM connecting decoupled local reference filters	M. J. Schuster and C. Brand and H. Hirschmuller and M. Suppa and M. Beetz	2015 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2015	sousarbarb	17 May 2022 16:40:01	Duplicated
	Robust Outdoor Self-localization In Changing Environments	M. Haris and M. Franzius and U. Bauer-Wersing	2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2019	sousarbarb	17 May 2022 16:40:01	Accepted
	Erasing bad memories: Agent-side summarization for long-term mapping	M. Dymczyk and T. Schneider and I. Gilitschenski and R. Siegwart and E. Stumm	2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Robust SLAM Systems: Are We There Yet?	M. Bujanca and X. Shi and M. Spear and P. Zhao and B. Lennox and M. Lujan	2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2021	sousarbarb	17 May 2022 16:40:01	Duplicated

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	Long-Term Localization With Time Series Map Prediction for Mobile Robots in Dynamic Environments	L. Wang and W. Chen and J. Wang	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Topological local-metric framework for mobile robots navigation: a long term perspective	L. Tang and Y. Wang and X. Ding and H. Yin and R. Xiong and S. Huang	Autonomous Robots	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Tightly-Coupled Multi-Sensor Fusion for Localization with LiDAR Feature Maps	L. Pan and K. Ji and J. Zhao	2021 IEEE International Conference on Robotics and Automation (ICRA)	2021	sousarbarb	17 May 2022 16:40:01	Accepted
	Incremental unsupervised topological place discovery	L. Murphy and G. Sibley	2014 IEEE International Conference on Robotics and Automation (ICRA)	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
	MIT Advanced Vehicle Technology Study: Large-Scale Naturalistic Driving Study of Driver Behavior and Interaction With Automation	L. Fridman and D. E. Brown and M. Glazer and W. Angell and S. Dodd and B. Jenik and J. Terwilliger and A. Patsekin and J. Kindelsberger and L. Ding and S. Seaman and A. Mehler and A. Sipperley and A. Pettinato and B. D. Seppelt and L. Angell and B. Mehler and B. Reimer	IEEE Access	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Navigation Engine Design for Automated Driving Using INS/GNSS/3D LiDAR-SLAM and Integrity Assessment	K.-W. Chiang and G.-J. Tsai and Y.-H. Li and Y. Li and N. El-Sheimy	Remote Sensing	2020	sousarbarb	17 May 2022 16:40:01	Accepted
	A Unified Framework for Mutual Improvement of SLAM and Semantic Segmentation [arXiv]	K. Wang and Y. Lin and L. Wang and L. Han and M. Hua and X. Wang and S. Lian and B. Huang	arXiv	2018	sousarbarb	17 May 2022 16:40:01	Rejected
	Seamless navigation and mapping using an INS/GNSS/grid-based SLAM semi-tightly coupled integration scheme	K. W. Chiang and G. J. Tsai and H. W. Chang and C. Joly and N. El-Sheimy	Information Fusion	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Mobile robot localization based on low-cost LTE and odometry in GPS-denied outdoor environment	K. Ismail and R. Liu and J. Zheng and C. Yuen and Y. L. Guan and U.-X. Tan	2019 IEEE International Conference on Robotics and Biomimetics (ROBIO)	2019	sousarbarb	17 May 2022 16:40:01	Accepted
	MP3: A Unified Model to Map, Perceive, Predict and Plan	S. Casas and A. Sadat and R. Urtasun	2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
	Self Help: Seeking Out Perplexing Images for Ever Improving Navigation	R. Paul and P. Newman	IEEE International Conference on Robotics and Automation	2011	sousarbarb	17 May 2022 16:40:01	Accepted
	Self-help: Seeking out perplexing images for ever improving topological mapping	R. Paul and P. Newman	International Journal of Robotics Research	2013	sousarbarb	17 May 2022 16:40:01	Duplicated
	Long-term human affordance maps	R. Limosani and L. Y. Morales and J. Even and F. Ferreri and A. Watanabe and F. Cavallo and P. Dario and N. Hagita	2015 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2015	sousarbarb	17 May 2022 16:40:01	Duplicated
	Training a Convolutional Neural Network for Appearance-Invariant Place Recognition [arXiv]	R. Gomez-Ojeda and M. Lopez-Antequera and N. Petkov and J. Gonzalez-Jimenez	arXiv	2015	sousarbarb	17 May 2022 16:40:01	Rejected
	3D localization, mapping and path planning for search and rescue operations	R. Dube and A. Gawel and C. Cadena and R. Siegwart and L. Freda and M. Gianni	2016 IEEE International Symposium on Safety, Security and Rescue Robotics (SSRR). Proceedings	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Research of large-scale offline map management in visual SLAM	Q. Shen and H. Sun and P. Ye	2017 4th International Conference on Systems and Informatics (ICSAI)	2017	sousarbarb	17 May 2022 16:40:01	Duplicated

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	Structured feature enhanced deep visual relocalization	Q. Peng and Z. Xiang and T. Wang	2020 3rd International Conference on Unmanned Systems (ICUS)	2020	sousarbarb	17 May 2022 16:40:01	Accepted
	Multi-Robot Joint Visual-Inertial Localization and 3-D Moving Object Tracking	P. Zhu and W. Ren	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	MRS-VPR: a multi-resolution sampling based global visual place recognition method	P. Yin and R. A. Srivatsan and Y. Chen and X. Li and H. Zhang and L. Xu and L. Li and Z. Ji and J. Ji and Y. He	2019 International Conference on Robotics and Automation (ICRA)	2019	sousarbarb	17 May 2022 16:40:01	Accepted
	Toward long-term, automated ship hull inspection with visual SLAM, explicit surface optimization, and generic graph-sparsification	P. Ozog and R. M. Eustice	2014 IEEE International Conference on Robotics and Automation (ICRA)	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
	Long-term mapping techniques for ship hull inspection and surveillance using an autonomous underwater vehicle	P. Ozog and N. Carlevaris-Bianco and A. Kim and R. M. Eustice	Journal of Field Robotics	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Network Uncertainty Informed Semantic Feature Selection for Visual SLAM	P. Ganti and S. L. Waslander	2019 16th Conference on Computer and Robot Vision (CRV). Proceedings	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Performance evaluation of graph-reduction in SLAM through pose rejection	P. Cervantes and M. Inoue	2017 56th Annual Conference of the Society of Instrument and Control Engineers of Japan (SICE). Proceedings	2017	sousarbarb	17 May 2022 16:40:01	Accepted
	PoseMap: Lifelong, Multi-Environment 3D LiDAR Localization	P. Egger and P. V. K. Borges and G. Catt and A. Pfunder and R. Siegwart and R. Dube	2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Efficient and effective matching of image sequences under substantial appearance changes exploiting GPS priors	O. Vysotska and T. Naseer and L. Spinello and W. Burgard and C. Stachniss	2015 IEEE International Conference on Robotics and Automation (ICRA). Proceedings	2015	sousarbarb	17 May 2022 16:40:01	Accepted
	Experimental analysis of sample-based maps for long-term SLAM	P. Biber and T. Duckett	International Journal of Robotics Research	2009	sousarbarb	17 May 2022 16:40:01	Duplicated
	Dynamic map update of non-static facility logistics environment with a multi-robot system	N. Shaik and T. Liebig and C. Kirsch and H. Muller	KI 2017: Advances in Artificial Intelligence. 40th Annual German Conference on AI. Proceedings: LNAI 10505	2017	sousarbarb	17 May 2022 16:40:01	Duplicated
	Learning Scene Geometry for Visual Localization in Challenging Conditions	N. Piasco and D. Sidibe and V. Gouet-Brunet and C. Demonceaux	2019 International Conference on Robotics and Automation (ICRA)	2019	sousarbarb	17 May 2022 16:40:01	Accepted
	Long-Term Simultaneous Localization and Mapping in Dynamic Environments	N. D. Carlevaris-Bianco		2015	sousarbarb	17 May 2022 16:40:01	Rejected
	University of Michigan North Campus long-term vision and lidar dataset	N. Carlevaris-Bianco and A. K. Ushani and R. M. Eustice	International Journal of Robotics Research	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Vision-aided Multi-UAV Autonomous Flocking in GPS-denied Environment	Y. Tang and Y. Hu and J. Cui and F. Liao and M. Lao and 1 and 1	IEEE Transactions on Industrial Electronics	2019	sousarbarb	17 May 2022 16:40:02	Duplicated
	Realizing, reversing, recovering: Incremental robust loop closing over time using the iRRR algorithm	Y. Latif and C. Cadena and J. Neira	2012 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2012)	2012	sousarbarb	17 May 2022 16:40:02	Duplicated
	An Everyday Robotic System that Maintains Local Rules Using Semantic Map Based on Long-Term Episodic Memory	Y. Furuta and K. Okada and Y. Kakuchi and M. Inaba	2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2018	sousarbarb	17 May 2022 16:40:02	Duplicated
	Autonomous Vehicle Localization with Prior Visual Point Cloud Map Constraints in GNSS-Challenged Environments	X. Lin and F. Wang and B. Yang and W. Zhang	Remote Sensing	2021	sousarbarb	17 May 2022 16:40:02	Duplicated
	Persistent Stereo Visual Localization on Cross-Modal Invariant Map	X. Ding and Y. Wang and R. Xiong and D. Li and L. Tang and H. Yin and L. Zhao	IEEE Transactions on Intelligent Transportation Systems	2020	sousarbarb	17 May 2022 16:40:02	Duplicated

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	Communication constrained cloud-based long-term visual localization in real time [arXiv]	X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong	arXiv	2019	sousarbarb	17 May 2022 16:40:02	Rejected
	Robust relocalization based on active loop closure for real-time monocular SLAM	X. Chen and H. Lu and J. Xiao and H. Zhang and P. Wang	Computer Vision Systems. 11th International Conference, ICVS 2017. Revised Selected Papers: LNCS 10528	2017	sousarbarb	17 May 2022 16:40:02	Duplicated
	Voxgraph: Globally Consistent, Volumetric Mapping using Signed Distance Function Submaps [arXiv]	V. Reijgwart and A. Millane and H. Oleynikova and R. Siegwart and C. Cadena and J. Nieto	arXiv	2020	sousarbarb	17 May 2022 16:40:01	Rejected
	Scalable Change Detection from 3D Point Cloud Maps: Invariant Map Coordinate for Joint Viewpoint-change Localization	T. Yoshiki and T. Kanji and Y. Naiming	2018 21st International Conference on Intelligent Transportation Systems (ITSC)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Vision-based Markov localization across large perceptual changes	T. Naseer and B. Suger and M. Ruhnke and W. Burgard	2015 European Conference on Mobile Robots (ECMR). Proceedings	2015	sousarbarb	17 May 2022 16:40:01	Duplicated
	Multiple map hypotheses for planning and navigating in non-stationary environments	T. Morris and F. Dayoub and P. Corke and G. Wyeth and B. Upcroft	2014 IEEE International Conference on Robotics and Automation (ICRA)	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
	Deformable map matching for uncertain loop-less maps [arXiv]	T. Kanji	arXiv	8Sept.2016	sousarbarb	17 May 2022 16:40:01	Rejected
	Mining visual phrases for long-term visual SLAM	T. Kanji and C. Yuuto and A. Masatoshi	2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014)	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
	Range-focused fusion of Camera-IMU-UWB for accurate and drift-reduced localization	T. H. Nguyen and T.-M. Nguyen and L. Xie	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
	Robot-Assisted Backscatter Localization for IoT Applications	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	IEEE Transactions on Wireless Communications	Sept.2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Robot-assisted Backscatter Localization for IoT Applications [arXiv]	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	arXiv	2020	sousarbarb	17 May 2022 16:40:01	Rejected
	SGC-VSLAM: A Semantic and Geometric Constraints VSLAM for Dynamic Indoor Environments	S. Yang and G. Fan and L. Bai and C. Zhao and D. Li	Sensors	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Voxel-based Representation Learning for Place Recognition Based on 3D Point Clouds	S. Siva and Z. Nahman and H. Zhang	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Long-term exploration tours for energy constrained robots with online proprioceptive traversability estimation	S. Martin and P. Corke	2014 IEEE International Conference on Robotics and Automation (ICRA)	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
	Opportunistic sampling-based active visual SLAM for underwater inspection	S. M. Chaves and A. Kim and E. Galceran and R. M. Eustice	Autonomous Robots	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Lifelong localization of a mobile service-robot in everyday indoor environments using omnidirectional vision	S. Hochdorfer and M. Lutz and C. Schlegel	2009 IEEE International Conference on Technologies for Practical Robot Applications. TePRA 2009	2009	sousarbarb	17 May 2022 16:40:01	Duplicated
	Scale-preserving long-term visual odometry for indoor navigation	S. Hilsenbeck and A. Moller and R. Huilt and G. Schroth and M. Kranz and E. Steinbach	2012 International Conference on Indoor Positioning and Indoor Navigation (IPIN 2012)	2012	sousarbarb	17 May 2022 16:40:01	Accepted
	Survey registration for long-term natural environment monitoring	S. Griffith and C. Pradalier	Journal of Field Robotics	2017	sousarbarb	17 May 2022 16:40:01	Duplicated
	Selective Combination of Visual and Thermal Imaging for Resilient Localization in Adverse Conditions: Day and Night, Smoke and Fire	C. Brunner and T. Peynot and J. T. A. U. Vidal-Calleja	JOURNAL OF FIELD ROBOTICS	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
	Marker-Based Multi-Sensor Fusion Indoor Localization System for Micro Air Vehicles	B. Xing and Q. Zhu and F. Pan and X. Feng	SENSORS	2018	sousarbarb	18 May 2022 17:01:46	Duplicated

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□		Appearance-based mapping and localisation using feature stability histograms	B. Bacca and J. Salvi and J. Batlle and X. Cufí	ELECTRONICS LETTERS	2010	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Natural Landmark-based Monocular Localization for MAVs	A. Wendel and A. Irschka and H. Bischof	None	2011	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Application of UAV in Topographic Modelling and Structural GeologicalMapping of Quarries and Their Surroundings-Delineation of Fault-BorderedRaw Material Reserves	A. Torok and G. Bogoly and A. Somogyi and T. Lovas	SENSORS	2020	sousarbarb	18 May 2022 17:01:46	Rejected
□		Improved and scalable online learning of spatial concepts and language models with mapping	A. Taniguchi and Y. Hagiwara and T. T. A. I. Taniguchi	AUTONOMOUS ROBOTS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Long-term vehicle localization in urban environments based on pole landmarks extracted from 3-D lidar scans	A. Schaefer and D. Buescher and J. Vertens and L. Lukas and W. Burgard	ROBOTICS AND AUTONOMOUS SYSTEMS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		ExMaps: Long-Term Localization in Dynamic Scenes using Exponential Decay	A. Rotsidis and C. Lutteroth and C. P. A. R. Hall	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Building an Enhanced Vocabulary of the Robot Environment with a CeilingPointing Camera	A. Rituerto and H. Andreasson and A. A. C. A. L. Murillo and J. J. Guerrero	SENSORS	2016	sousarbarb	18 May 2022 17:01:46	Accepted
□		The 5HT(1A) receptor agonist, 8-OH-DPAT, protects neurons and reducesastroglial reaction after ischemic damage caused by corticaldevascularization	A. Ramos and M. Rubio and C. Defagot and L. Hischberg and A. M. A. B. Villar	BRAIN RESEARCH	2004	sousarbarb	18 May 2022 17:01:46	Rejected
□		Reconnaissance and Autonomy for Small Robots (RASR) team: MAGIC 2010 Challenge	A. Lacaze and K. Murphy and M. D. Giorno and C. Katrina	None	2012	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Position-Invariant Robust Features for Long-Term Recognition of Dynamic Outdoor Scenes	A. Kawewong and S. Tangruamsub and O. Hasegawa	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	2010	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Online and Incremental Appearance-based SLAM in Highly Dynamic Environments	A. Kawewong and N. Tongprasit and O. S. A. H. Tangruamsub	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2011	sousarbarb	18 May 2022 17:01:46	Duplicated
□		PIRF-Nav 2.0: Fast and online incremental appearance-based loop-closure detection in an indoor environment	A. Kawewong and N. Tongprasit and O. Hasegawa	ROBOTICS AND AUTONOMOUS SYSTEMS	2011	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Using UHF-RFID Signals for Robot Localization Inside Pipelines	A. Gunatilake and M. Galea and S. K. A. K. Thiagarajan and L. Piyathilaka and P. Darji	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Towards Accurate Deep-Sea Localization in Structured Environments based on Perception Quality Cues	A. G. Chavez and Q. Xu and S. C. A. A. S. Mueller and A. Birk	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Simultaneous localization and map-building using active vision	A. Davison and D. Murray	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE	2002	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Dense Multi-Planar Scene Estimation from a Sparse Set of Images	A. Argiles and J. Civera and L. Montesano	None	2011	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Utilizing time-driven activity-based costing to understand the short- and long-term costs of treating localized, low-risk prostate cancer	A. A. Laviana and A. M. Ilg and D. Veruttipong and T. Hung-Jui and M. A. Burke and D. R. Niedzwiecki and K. P. A. and C. R. King and M. L. Steinberg and K. C. R. and M. Kamrava and A. L. Kaplan and M. A. K. and W. Hsu and D. J. A. Margolis and C. S. J. C. A. S. Hu	CANCER	2016	sousarbarb	18 May 2022 17:01:46	Duplicated

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<input type="checkbox"/>	Reference Pose Generation for Long-term Visual Localization via Learned Features and View Synthesis	Z. Zhang and T. Sattler and D. Scaramuzza	International Journal of Computer Vision	2021	sousarbarb	17 May 2022 16:40:02	Accepted
<input type="checkbox"/>	Visual place recognition with CNNs: from global to partial	Z. Xin and X. Cui and J. Zhang and Y. Yang and Y. Wang	2017 Seventh International Conference on Image Processing Theory, Tools and Applications (IPTA)	2017	sousarbarb	17 May 2022 16:40:02	Accepted
<input type="checkbox"/>	Consistent Cuboid Detection for Semantic Mapping	Z. S. Hashemifar and K. W. Lee and N. Napp and K. Dantu	2017 IEEE 11th International Conference on Semantic Computing (ICSC)	2017	sousarbarb	17 May 2022 16:40:02	Rejected
<input type="checkbox"/>	Invariant Extended Kalman Filtering for Underwater Navigation	E. Potokar and K. Norman and J. Mangelson	IEEE ROBOTICS AND AUTOMATION LETTERS	2021	sousarbarb	18 May 2022 17:01:46	Accepted
<input type="checkbox"/>	Long-term Visual Localization using Semantically Segmented Images	E. Stenborg and C. Toft and L. Hammarstrand	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Generic NDT mapping in dynamic environments and its application for lifelong SLAM	E. Einhorn and H.-M. Gross	ROBOTICS AND AUTONOMOUS SYSTEMS	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Information-Theoretic Online Multi-Camera Extrinsic Calibration	E. Dexheimer and P. Peluse and J. Chen and M. J. A. K. Pritts	IEEE ROBOTICS AND AUTOMATION LETTERS	2022	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Efficient Map Compression for Collaborative Visual SLAM	D. V. Opdenbosch and T. Aykut and M. Oelsch and A. Nicolas and E. Steinbach	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Onboard Detection-Tracking-Localization	D. Tang and Q. Fang and L. Shen and T. Hu	IEEE-ASME TRANSACTIONS ON MECHATRONICS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Robust Sound Source Mapping using Three-layered Selective Audio Rays for Mobile Robots	D. Su and K. Nakamura and K. Nakadai and M. J. Valls	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	kRadar plus plus : Coarse-to-Fine FMCW Scanning Radar Localisation	D. D. Martini and M. Gadd and P. Newman	SENSORS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Hierarchical Loop Detection for Mobile Outdoor Robots	D. Lang and C. Winkens and M. Haeselich and P. Dietrich	None	2012	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	A visual bag of words method for interactive qualitative localization and mapping	D. Falliat	None	2007	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Long-Term Visual Localization Revisited	C. Toft and W. Maddern and A. Torii and E. L. A. S. Hammarstrand and D. Safari and M. M. A. P. Okutomi and J. Sivic and T. Pajdla and T. F. A. S. Kahn	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE	2022	sousarbarb	18 May 2022 17:01:46	Rejected
<input type="checkbox"/>	OpenRatSLAM: an open source brain-based SLAM system	D. Ball and S. Heath and J. Wiles and P. G. A. C. Wyeth and M. Milford	AUTONOMOUS ROBOTS	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Mobile robotics in the long term - Exploring the fourth dimension	D. Austin and L. Fletcher and A. Zelinsky	None	2001	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Navigation for Indoor Robot: Straight Line Movement via Navigator	C. Zhu and M. He and P. Chen and K. Sun and W. Jinglei and Q. Huang	MATHEMATICAL PROBLEMS IN ENGINEERING	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	What if there was no revisit? Large-scale graph-based SLAM with traffic sign detection in an HD map using LiDAR inertial odometry	C. Sung and S. Jeon and H. Lim and H. Myung	INTELLIGENT SERVICE ROBOTICS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Learning place-dependant features for long-term vision-based localisation	C. McManus and B. Upcroft and P. Newman	AUTONOMOUS ROBOTS	2015	sousarbarb	18 May 2022 17:01:46	Duplicated

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		Active SLAM in structured environments		C. Leung and S. Huang and G. Dissanayake		None		2008		sousarbarb		18 May 2022 17:01:46		Duplicated	
		NASA Space Robotics Challenge 2 Qualification Round: An Approach to Autonomous Lunar Rover Operations		C. Kilic and B. R. J. Martinez and J. C. A. A. B. Tatsch and J. Strader and S. Das and Y. D. A. G. Ross and G. A. S. Pereira and J. N. Gross		IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Integration of Engineered ``Spark-Cell(") Spheroids for Optical Pacing of Cardiac Tissue		C. J. Chua and J. L. Han and W. Li and E. W. A. E. Liu		FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Using OrthoSLAM and Aiding Techniques for Precise Pedestrian Indoor Navigation		C. Ascher and C. Kessler and G. F. M. A. T. Wankerl		Proceedings of the 22nd International Technical Meeting of the Satellite Division of The Institute of Navigation (ION GNSS 2009)		2009		sousarbarb		18 May 2022 17:01:46		Rejected	
		Combining Laser Range Measurements and a Dual-IMU IPNS for Precise Indoor SLAM		C. Ascher and C. Kessler and M. Wankerl and G. F. Trommer				2009		sousarbarb		18 May 2022 17:01:46		Rejected	
		Past, Present, and Future of Simultaneous Localization and Mapping: Toward the Robust-Perception Age		C. Cadena and L. Carlone and H. Carrillo and D. Y. A. S. Latif and J. Neira and I. Reid and J. J. Leonard		IEEE TRANSACTIONS ON ROBOTICS		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
		VEHICLE POSE ESTIMATION AND SONAR SENSOR BASED MAPPING		H. Ismail and B. Balachandran		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Towards a Warrihter's Associate: Eliminating the operator control unit		H. Everett and E. Pacis and G. Kogut and N. Farrington and S. Khurana		Proceedings Volume 5609, Mobile Robots XVII		2004		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Incorporating environmental measurements in navigation		H. Feder and J. Leonard and C. Smith		None		1998		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Visual Topometric Localization		H. Badino and D. Huber and T. Kanade		None		2011		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Towards Semi-autonomous Robotic Inspection and Mapping in ConfinedSpaces with the EspeleoRobo		H. Azpuru and A. Rezende and G. Potje and G. P. D. C. Junior and R. Fernandes and V. Miranda and L. W. D. R. Filho and J. Domingues and F. L. F. A. M. D. S. Rocha and E. R. L. G. A. N. D. D. Barros and D. G. Macharet and G. M. G. A. F. Pessin		JOURNAL OF INTELLIGENT \& ROBOTIC SYSTEMS		2021		sousarbarb		18 May 2022 17:01:46		Accepted	
		Bio-Inspired Robotics: A Spatial Cognition Model integrating PlaceCells, Grid Cells and Head Direction Cells		G. Tejera and M. Llofriu and A. A. A. W. Barrera		JOURNAL OF INTELLIGENT \& ROBOTIC SYSTEMS		2018		sousarbarb		18 May 2022 17:01:46		Accepted	
		Towards life-long mapping of dynamic environments using temporal persistence modeling		G. Tsamis and I. Kostavelis and D. D. A. T. Giakoumis		None		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Relaxing the planar assumption: 3D state estimation for an autonomous surface vessel		G. Hitz and F. Pomerleau and F. Colas and S. Roland		INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
		An Alternate Approach to GPS Denied Navigation based on Monocular SLAM Techniques		G. Farley and M. Chapman		None		2008		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Multi-sensor three-dimensional Monte Carlo localization for long-term aerial robot navigation		F. J. Perez-Grau and F. Caballero and A. A. O. Viguria		INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS		2017		sousarbarb		18 May 2022 17:01:46		Accepted	
		Long-term 3D map maintenance in dynamic environments		F. Pomerleau and P. Krusi and F. Colas and F. Paul and R. Siegwart		None		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	

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	LCPF: A Particle Filter Lidar SLAM System With Loop Detection and Correction	F. Nie and W. Zhang and Z. Yao and Y. Shi and L. Fangxing and Q. Huang	IEEE ACCESS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Panoramic Visual-Inertial SLAM Tightly Coupled with a Wheel Encoder	F. Jiang and J. Chen and S. Ji	ISPRS JOURNAL OF PHOTOGRAHAMTRY AND REMOTE SENSING	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	SRAL: Shared Representative Appearance Learning for Long-Term Visual Place Recognition	F. Han and X. Yang and Y. Deng and M. Rentschler and Y. Dejun and H. Zhang	IEEE ROBOTICS AND AUTOMATION LETTERS	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
	Long-term experiments with an adaptive spherical view representation for navigation in changing environments	F. Dayoub and G. Cielniak and T. Duckett	ROBOTICS AND AUTONOMOUS SYSTEMS	2011	sousarbarb	18 May 2022 17:01:46	Duplicated
	Robust Place Recognition and Loop Closing in Laser-Based SLAM for UGVs in Urban Environments	F. Cao and Y. Zhuang and H. Zhang and W. Wang	IEEE SENSORS JOURNAL	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Evaluation of RGB and LiDAR Combination for Robust Place Recognition	F. Alijani and J. Peltomaki and J. Puura and H. Heikki and J.-K. Kamarainen and E. Rahtu	Proceedings of the 17th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP 2022) - Volume 5: VISAPP	2022	sousarbarb	18 May 2022 17:01:46	Rejected
	Evaluation of Long-term Deep Visual Place Recognition	F. Alijani and J. Peltomaki and J. Puura and H. Heikki and J.-K. Kamarainen and E. Rahtu	Proceedings of the 17th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications - Volume 5: VISAPP	2022	sousarbarb	18 May 2022 17:01:46	Rejected
	A pose graph-based localization system for long-term navigation in CAD floor plans	F. Boniardi and T. Caselitz and R. Kuemmerle and B. Wolfram	ROBOTICS AND AUTONOMOUS SYSTEMS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Global Analysis of Research Trends on Kidney Function After Nephron-Sparing Surgery: A Bibliometric and Visualised Study	F. Abushamma and A. Barqawi and M. S. W. A. A. Al-Jabi and M. Maree and S. H. Zyoud	CANCER MANAGEMENT AND RESEARCH	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Multi-robot Map Updating in Dynamic Environments	F. Abrate and B. Bona and M. Indri and F. S. A. T. Rosa	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
	Visual Memory Update for Life-Long Mobile Robot Navigation	J. Courbon and H. Korrapati and Y. Mezouar	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
	1-Point RANSAC for Extended Kalman Filtering: Application to Real-TimeStructure from Motion and Visual Odometry	J. Civera and O. G. Grasa and A. J. Davison and M. J. M. M.	JOURNAL OF FIELD ROBOTICS	2010	sousarbarb	18 May 2022 17:01:46	Accepted
	Exploration and Mapping Technique Suited for Visual-features Based Localization of MAVs	J. Chudoba and M. Kulich and M. Saska and L. T. A. P. Baca	JOURNAL OF INTELLIGENT \& ROBOTIC SYSTEMS	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	Evolving Indoor Navigational Strategies Using Gated Recurrent Units In NEAT	J. Butterworth and R. Savani and K. Tuyls	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Episodic non-Markov localization	J. Biswas and M. M. Veloso	ROBOTICS AND AUTONOMOUS SYSTEMS	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
	Localization and navigation of the CoBots over long-term deployments	J. Biswas and M. M. Veloso	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
	The Quest For ``Always-On'' Autonomous Mobile Robots	J. Biswas	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Use of classification and segmentation of sidescan sonar images for long term registration	I. Leblond and M. Legris and B. Solaiman	None	2005	sousarbarb	18 May 2022 17:01:46	Duplicated
	Laser-only road-vehicle localization with dual 2D push-broom LIDARS and 3D priors	I. Baldwin and P. Newman	None	2012	sousarbarb	18 May 2022 17:01:46	Duplicated

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		ShopBot: Progress in Developing an Interactive Mobile Shopping Assistant for Everyday Use		H.-M. Gross and H.-J. Boehme and C. Schroeter and A. S. A. K. Mueller and C. Martin and M. Merten and A. Bley		None		2008		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Distributed and collaborative monocular simultaneous localization and mapping for multi-robot systems in large-scale environments		H. Zhang and X. Chen and H. Lu and J. Xiao		INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS		2018		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Robust Multimodal Sequence-Based Loop Closure Detection via Structured Sparsity		H. Zhang and F. Han and H. Wang		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Radar-on-Lidar: metric radar localization on prior lidar maps		H. Yin and Y. Wang and L. Tang and R. Xiong		None		2020		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Radar-to-Lidar: Heterogeneous Place Recognition via Joint Learning		H. Yin and X. Xu and Y. Wang and R. Xiong		FRONTIERS IN ROBOTICS AND AI		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Merging of appearance-based place knowledge among multiple robots		H. Karaoguz and H. I. Bozma		AUTONOMOUS ROBOTS		2020		sousarbarb		18 May 2022 17:01:46		Accepted	
		LIO-Vehicle: A Tightly-Coupled Vehicle Dynamics Extension of LiDAR Inertial Odometry		H. Xiao and Y. Han and J. Zhao and L. J. A. X. Cui and Z. Yu		IEEE ROBOTICS AND AUTOMATION LETTERS		2022		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Information-theoretic compression of pose graphs for laser-based SLAM		H. Kretzschmar and C. Stachniss		INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH		2012		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Identifying Hotspots for Threats to Koalas Using Spatial Analysis		H. J. Preece				2007		sousarbarb		18 May 2022 17:01:46		Rejected	
		Incorporating risk mapping at multiple spatial scales into eradication management plans		H. Kaplan and A. V. Niekerk and D. M. J. J. A. R. L. Roux and J. R. U. Wilson		BIOLOGICAL INVASIONS		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Selective memory: Recalling relevant experience for long-term visual localization		K. MacTavish and M. Paton and T. D. Barfoot		JOURNAL OF FIELD ROBOTICS		2018		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Subfornical organ interleukin 1 receptor: A novel regulator of spontaneous and conditioned fear associated behaviors in mice		K. M. J. McMurray and A. Winter and A. R. A. W. Ahlbrand and S. Shukla and R. Sah		BRAIN BEHAVIOR AND IMMUNITY		2022		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Visual Robot Localization Using Compact Binary Landmarks		K. Ikeda and K. Tanaka		None		2010		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Modest-vocabulary loop-closure detection with incremental bag of tracked words		K. A. Tsintotas and L. Bampis and A. Gasteratos		ROBOTICS AND AUTONOMOUS SYSTEMS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Robust mobile robot localization in highly non-static environments		J.-S. Lee and W. K. Chung		AUTONOMOUS ROBOTS		2010		sousarbarb		18 May 2022 17:01:46		Duplicated	
		LiDAR Scan Matching Aided Inertial Navigation System in GNSS-Denied Environments		J. Tang and Y. Chen and X. Niu and L. Wang and J. L. A. L. Chen and C. Shi and J. Hyppa		SENSORS		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Long-Term Map Maintenance Pipeline for Autonomous Vehicles		J. S. Berrio and S. Worrall and M. Shan and N. Eduardo		IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Identifying robust landmarks in feature-based maps		J. S. Berrio and J. Ward and S. Worrall and N. Eduardo		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Updating the visibility of a feature-based map for long-term maintenance		J. S. Berrio and J. Ward and S. Worrall and N. Eduardo		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Enhanced Monte Carlo Localization with Visual Place Recognition for Robust Robot Localization		J. Perez and F. Caballero and L. Merino		JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Integration of Monte Carlo Localization and Place Recognition for Reliable Long-Term Robot Localization		J. Perez and F. Caballero and L. Merino		None		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	

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	Variational Bayesian Approach to Condition-Invariant Feature Extraction for Visual Place Recognition	J. Oh and G. Eoh	APPLIED SCIENCES-BASEL	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Lifelong Information-Driven Exploration to Complete and Refine 4-DSpatio-Temporal Maps	J. M. Santos and T. Krajnik and T. J. P. A. D. Fentanes	IEEE ROBOTICS AND AUTOMATION LETTERS	2016	sousarbarb	18 May 2022 17:01:46	Accepted
	Survey on advances on terrain based navigation for autonomous underwater vehicles	J. Melo and A. Matos	OCEAN ENGINEERING	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
	Simultaneous Localization and Mapping for Inspection Robots in Water and Sewer Pipe Networks: A Review	J. M. Aitken and M. H. Evans and R. Worley and R. S. A. Z. Edwards and T. Dodd and L. Mihaylova and S. R. Anderson	IEEE ACCESS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Underwater Robot Visual Place Recognition in the Presence of Dramatic Appearance Change	J. Li and R. M. Eustice and M. Johnson-Roberson	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
	High-Level Visual Features for Underwater Place Recognition	J. Li and R. M. Eustice and M. Johnson-Roberson	2015 IEEE International Conference on Robotics and Automation (ICRA)	2015	sousarbarb	18 May 2022 17:01:46	Accepted
	Subjective local maps for hybrid metric-topological SLAM	J. L. Blanco and J. Gonzalez and J.-A. Fernandez-Madrigal	ROBOTICS AND AUTONOMOUS SYSTEMS	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
	Weighted Grid Partitioning for Panel-Based Bathymetric SLAM	J. Jang and J. Kim	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Global Alignment of Deep Features for Robot Localization in Changing Environment	J. H. Oh and H.-J. Lee	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	MOARSLAM: Multiple Operator Augmented RSLAM	J. G. Morrison and D. Galvez-Lopez and G. Sibley	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	PHALANX: Expendable projectile sensor networks for planetary exploration	M. Dille and D. Nuch and S. Gupta and N. S. A. V. McCabe and T. Fong and U. Wong	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Localizing Ground Penetrating RADAR: A Step Toward Robust Autonomous Ground Vehicle Localization	M. Cornick and J. Koehling and B. Stanley and Z. Beijia	JOURNAL OF FIELD ROBOTICS	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	3D global mapping of large-scale unstructured orchard integrating eye-in-hand stereo vision and SLAM	M. Chen and Y. Tang and X. Zou and H. Z. A. Z. Huang and S. Chen	COMPUTERS AND ELECTRONICS IN AGRICULTURE	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Appearance-based landmark selection for visual localization	M. Burki and C. Cadena and I. Gilitschenski and S. Roland and J. Nieto	JOURNAL OF FIELD ROBOTICS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Robust SLAM Systems: Are We There Yet?	M. Bujanca and X. Shi and M. Spear and B. P. A. L. Zhao and M. Lujan	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Active airborne localisation and exploration in unknown environments using inertial SLAM	M. Bryson and S. Sukkarieh	None	2006	sousarbarb	18 May 2022 17:01:46	Duplicated
	Keypoint design and evaluation for place recognition in 2D lidar maps	M. Bosse and R. Zlot	ROBOTICS AND AUTONOMOUS SYSTEMS	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
	Long-Term Localization With Time Series Map Prediction for Mobile Robots in Dynamic Environments	L. Wang and W. Chen and J. Wang	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	LiDAR Point Cloud Generation for SLAM Algorithm Evaluation	L. Sobczak and K. Filus and A. Domanski and D. Joanna	SENSORS	2021	sousarbarb	18 May 2022 17:01:46	Rejected
	Explicit feature disentanglement for visual place recognition across appearance changes	L. Tang and Y. Wang and Q. Tan and R. Xiong	INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Recurrent-OctoMap: Learning State-Based Map Refinement for Long-Term Semantic Mapping With 3-D-Lidar Data	L. Sun and Z. Yan and A. Zaganidis and C. Zhao and D. Tom	IEEE ROBOTICS AND AUTOMATION LETTERS	2018	sousarbarb	18 May 2022 17:01:46	Duplicated

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□		Artificial Intelligence for Long-Term Robot Autonomy: A Survey	L. Kunze and N. Hawes and T. Duckett and T. M. A. K. Hanheide	IEEE ROBOTICS AND AUTOMATION LETTERS	2018	sousarbarb	18 May 2022 17:01:46	Rejected
□		Incremental Unsupervised Topological Place Discovery	L. Murphy and G. Sibley	None	2014	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Globally Optimal Fetsoscopic Mosaicking Based on Pose Graph Optimisation With Affine Constraints	L. Li and S. Bano and J. Deprest and D. A. L. A. S. David and F. Vasconcelos	IEEE ROBOTICS AND AUTOMATION LETTERS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		MIT Advanced Vehicle Technology Study: Large-Scale Naturalistic Driving Study of Driver Behavior and Interaction With Automation	L. Fridman and D. E. Brown and M. Glazer and A. William and S. Dodd and B. Jenik and A. J. A. P. Terwilliger and J. Kindelsberger and L. Ding and S. Sean and A. Mehler and A. Sipperley and B. D. A. A. S. Pettinato and L. Angell and B. Mehler and B. Reimer	IEEE ACCESS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Navigation Engine Design for Automated Driving Using INS/GNSS/3D LiDAR-SLAM and Integrity Assessment	K.-W. Chiang and G.-J. Tsai and Y.-H. Li and N. Y. A. E.-S. Li	REMOTE SENSING	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Appearance-Based Loop Closure Detection via Locality-Driven Accurate Motion Field Learning	K. Zhang and X. Jiang and J. Ma	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	2022	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Mining Visual Phrases for Visual Robot Localization	K. Tanaka and Y. Chokushi and M. Ando	JOURNAL OF ADVANCED COMPUTATIONAL INTELLIGENCE AND INTELLIGENT INFORMATICS	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Deformable Map Matching to Handle Uncertain Loop-Less Maps	K. Tanaka	JOURNAL OF ADVANCED COMPUTATIONAL INTELLIGENCE AND INTELLIGENT INFORMATICS	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Obstacle avoidance and path planning for humanoid robots using stereo vision	K. Sabe and M. Fukuchi and J. Gutmann and T. Ohashi and T. K. A. Y. Kawamoto	None	2004	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Gaussian process based IAQ distribution mapping using an interactiveservice robot	K. Qian and X. Ma and X. Dai and F. Fang and B. Zhou	JOURNAL OF AMBIENT INTELLIGENCE AND SMART ENVIRONMENTS	2016	sousarbarb	18 May 2022 17:01:46	Rejected
□		Visual Place Recognition via Robust l(2)-Norm Distance Based Holism andLandmark Integration	K. Liu and H. Wang and F. Han and H. Zhang		2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Improving Image Description with Auxiliary Modality for Visual Localization in Challenging Conditions	N. Piasco and D. Sidibe and C. V. A. D. Gouet-Brunet	INTERNATIONAL JOURNAL OF COMPUTER VISION	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Long-Term Simultaneous Localization and Mapping with Generic Linear Constraint Node Removal	N. Carlevaris-Bianco and R. M. Eustice	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
□		University of Michigan North Campus long-term vision and lidar dataset	N. Carlevaris-Bianco and A. K. Ushani and R. M. Eustice	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Lifelong Mapping using Adaptive Local Maps	N. Banerjee and D. Lisin and J. Briggs and L. Martin and M. E. Munich	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		SDF-Loc: Signed Distance Field based 2D Relocalization and Map Update in Dynamic Environments	M. Zhang and Y. Chen and M. Li	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Sensors, SLAM and Long-term Autonomy: A Review	M. Zaffar and S. Ehsan and R. Stolk and K. M. Maier	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Efficient Long-term Mapping in Dynamic Environments	M. T. Lazaro and R. Capobianco and G. Grisetti	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated

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□		MINIMALISTIC VISION-BASED COGNITIVE SLAM		M. Saleiro and J. M. F. Rodrigues and J. M. H. D. Buf		None		2012		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Semi-Markov Process Based Localization using Radar in Dynamic Environments		M. Rapp and M. Hahn and M. Thom and K. J. A. D. Dickmann		2015 IEEE 18th International Conference on Intelligent Transportation Systems		2015		sousarbarb		18 May 2022 17:01:46		Accepted	
□		Bridging the Appearance Gap: Multi-Experience Localization for Long-Term Visual Teach and Repeat		M. Paton and K. MacTavish and M. Warren and B. T. D.		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		R-LOAM: Improving LiDAR Odometry and Mapping With Point-to-Mesh Features of a Known 3D Reference Object		M. Oelsch and M. Karimi and E. Steinbach		IEEE ROBOTICS AND AUTOMATION LETTERS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		RTAB-Map as an open-source lidar and visual simultaneous localization and mapping library for large-scale and long-term online operation		M. Labbe and F. Michaud		JOURNAL OF FIELD ROBOTICS		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Long-term online multi-session graph-based SPLAM with memory management		M. Labbe and F. Michaud		AUTONOMOUS ROBOTS		2018		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Online Global Loop Closure Detection for Large-Scale Multi-Session Graph-Based SLAM		M. Labbe and F. Michaud		None		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Multi-Robot 6D Graph SLAM Connecting Decoupled Local Reference Filters		M. J. Schuster and C. Brand and M. H. A. S. Hirschmueller and M. Beetz		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Robust Outdoor Self-localization In Changing Environments		M. Haris and M. Franzius and U. Bauer-Wersing		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		The MIT Stata Center dataset		M. Fallon and H. Johannsson and M. Kaess and L. J. J.		INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH		2013		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Erasing bad memories: agent-side summarization for long-term mapping		M. Dymczyk and T. Schneider and R. I. A. S. Gilitschenski and E. Stumm		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		The Gist of Maps - Summarizing Experience for Lifelong Localization		M. Dymczyk and S. Lynen and T. Cieslewski and B. Michael and R. Siegwart and P. Furgale		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Deep Samplable Observation Model for Global Localization and Kidnapping		R. Chen and H. Yin and Y. Jiao and Y. G. A. W. Dissanayake and R. Xiong		IEEE ROBOTICS AND AUTOMATION LETTERS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Are you ABLE to perform a life-long visual topological localization?		R. Arroyo and P. F. Alcantarilla and E. L. M. A. R. Bergasa		AUTONOMOUS ROBOTS		2018		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Research of Large-Scale Offline Map Management in Visual SLAM		Q. Shen and H. Sun and P. Ye		None		2017		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Loop-Closure Detection With a Multiresolution Point Cloud Histogram Mode in Lidar Odometry and Mapping for Intelligent Vehicles		Q. Meng and H. Guo and X. Zhao and H. D. A. C. Cao		IEEE-ASME TRANSACTIONS ON MECHATRONICS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Localization in Unstructured Environments: Towards Autonomous Robots in Forests with Delaunay Triangulation		Q. Li and P. Nevalainen and J. J. P. A. H. Queraltà and T. Westerlund		REMOTE SENSING		2020		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Multi-Robot Joint Visual-Inertial Localization and 3-D Moving Object Tracking		P. Zhu and W. Ren		None		2020		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Stabilize an Unsupervised Feature Learning for LiDAR-based Place Recognition		P. Yin and L. Xu and Z. Liu and L. Li and Y. H. A. H. Salman and W. Xu and H. Wang and H. Choset		None		2018		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Hybrid Metric-Topological 3D Occupancy Grid Maps for Large-scale Mapping		P. Schmuck and S. A. Scherer and A. Zell		IFAC PAPERSONLINE		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	

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	On the Redundancy Detection in Keyframe-based SLAM	P. Schmuck and M. Chli	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Automated Crack Detection on Concrete Bridges	P. Prasanna and K. J. Dana and N. Gucunski and B. B. B. and H. M. La and R. S. Lim and H. Parvardeh	IEEE TRANSACTIONS ON AUTOMATION SCIENCE AND ENGINEERING	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	Superpixel-based appearance change prediction for long-term navigation across seasons	P. Neubert and N. Suenderhauf and P. Protzel	ROBOTICS AND AUTONOMOUS SYSTEMS	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
	Summary Maps for Lifelong Visual Localization	P. Muehlfellner and M. Burki and M. Bosse and D. Wojciech and R. Philippsen and P. Furgale	JOURNAL OF FIELD ROBOTICS	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	Long-term Place Recognition through Worst-case Graph Matching to Integrate Landmark Appearances and Spatial Relationships	P. Gao and H. Zhang	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Network Uncertainty Informed Semantic Feature Selection for Visual SLAM	P. Ganti and S. L. Waslander	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	PoseMap: Lifelong, Multi-Environment 3D LiDAR Localization	P. Egger and P. V. K. Borges and G. Catt and P. Andreas and R. Siegwart and R. Dube	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Crustal faults exposed in the Pito Deep Rift: Conduits for hydrothermal fluids on the southeast Pacific Rise	N. W. Hayman and J. A. Karson	GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
	Switchable Constraints vs. Max-Mixture Models vs. RRR - A Comparison of Three Approaches to Robust Pose Graph SLAM	N. Suenderhauf and P. Protzel	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
	Dynamic Map Update of Non-static Facility Logistics Environment with a Multi-robot System	N. Shaik and T. Liebig and H. C. A. M. Kirsch	None	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
	Monitoring the resilience of a no-take marine reserve to a range extending species using benthic imagery	N. R. Perkins and G. R. Hosack and J. S. D. A. M. Foster and N. S. Barrett	PLOS ONE	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	FreMEn: Frequency Map Enhancement for Long-Term Mobile Robot Autonomy in Changing Environments	T. Krajinik and J. P. Fentanes and J. M. Santos and D. Tom	IEEE TRANSACTIONS ON ROBOTICS	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
	Mining Visual Phrases for Long-Term Visual SLAM	T. Kanji and C. Yuuto and A. Masatoshi	None	2014	sousarbarb	18 May 2022 17:01:46	Duplicated
	Robot-Assisted Backscatter Localization for IoT Applications	S. Zhang and W. Wang and S. Tang and S. Jin and J. Tao	IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Localizing Backscatters by a Single Robot With Zero Start-up Cost	S. Zhang and W. Wang and S. Tang and S. Jin and J. Tao	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Geomorphological variations at hydrothermal sites in the southern Mariana Trough: Relationship between hydrothermal activity and topographic characteristics	S. Yoshikawa and K. Okino and M. Asada	MARINE GEOLOGY	2012	sousarbarb	18 May 2022 17:01:46	Duplicated
	Geographical Map Registration and Fusion of Lidar-Aerial Orthoimagery inGIS	S. Yi and S. Worrall and E. Nebot	2019 IEEE Intelligent Transportation Systems Conference (ITSC)	2019	sousarbarb	18 May 2022 17:01:46	Accepted
	SGC-VSLAM: A Semantic and Geometric Constraints VSLAM for Dynamic Indoor Environments	S. Yang and G. Fan and L. Bai and C. Zhao and L. Dexin	SENSORS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Terrain aided localisation and mapping for marine environments	S. Williams and I. Mahon	None	2006	sousarbarb	18 May 2022 17:01:46	Duplicated
	Omnidirectional Multisensory Perception Fusion for Long-Term Place Recognition	S. Siva and H. Zhang	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Robust Outdoor Visual Localization Using a Three-Dimensional-Edge Map	S. Nuske and J. Roberts and G. Wyeth	JOURNAL OF FIELD ROBOTICS	2009	sousarbarb	18 May 2022 17:01:46	Duplicated

<input type="checkbox"/>	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		Long-Term Exploration & Tours for Energy Constrained Robots with Online Proprioceptive Traversability Estimation	S. Martin and P. Corke	None	2014	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Visual Place Recognition: A Survey	S. Lowry and N. Suenderhauf and P. Newman and L. J. J. and D. Cox and P. Corke and M. J. Milford	IEEE TRANSACTIONS ON ROBOTICS	2016	sousarbarb	18 May 2022 17:01:46	Rejected
□		Visual SLAM-Based Robotic Mapping Method for Planetary Construction	S. Hong and A. Bangunharcana and J.-M. Park and C. Minseong and H.-S. Shin	SENSORS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Lifelong Localization of a Mobile Service-Robot in Everyday Indoor Environments Using Omnidirectional Vision	S. Hochdorfer and M. Lutz and C. Schlegel	None	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
□		An optimization technique for positioning multiple maps for self-driving car's autonomous navigation	S. Dominguez and B. Khomutenko and G. Garcia and P. Martinet	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Person Finding: An Autonomous Robot Search Method for Finding MultipleDynamic Users in Human-Centered Environments	S. C. Mohamed and S. Rajaratnam and S. T. Hong and N. Goldie	IEEE TRANSACTIONS ON AUTOMATION SCIENCE AND ENGINEERING	2020	sousarbarb	18 May 2022 17:01:46	Rejected
□		Role of Deep Learning in Loop Closure Detection for Visual and Lidar SLAM: A Survey	S. Arshad and G.-W. Kim	SENSORS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Framework for RF-Visual SLAM	S. Anwar and Q. Zhao and N. Qadeer and S. I. Khan	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Self-help: Seeking out perplexing images for ever improving topological mapping	R. Paul and P. Newman	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A SLAM based on auxiliary marginalised particle filter and differential evolution	R. Havangi and M. A. Nekoui and M. Teshnehab and H. D. Taghirad	INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE	2014	sousarbarb	18 May 2022 17:01:46	Duplicated
□		DiSCO: Differentiable Scan Context With Orientation	X. Xu and H. Yin and Z. Chen and Y. Li and R. Y. A. X. Wang	IEEE ROBOTICS AND AUTOMATION LETTERS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Are We Ready for Service Robots? The OpenLORIS-Scene Datasets for Lifelong SLAM	X. Shi and D. Li and P. Zhao and Y. Q. A. T. Tian and Q. Long and C. Zhu and J. Song and Q. Fei and L. Song and Y. Guo and Z. Wang and B. Y. A. Q. Zhang and W. Yang and F. Wang and Q. R. H. M. A. S. Chan	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Long-term 'Localization of Mobile Robots in Dynamic Changing Environments	X. Hu and J. Wang and W. Chen	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Persistent Stereo Visual Localization on Cross-Modal Invariant Map	X. Ding and Y. Wang and R. Xiong and D. Li and T. Li and H. Yin and L. Zhao	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Robust Relocalization Based on Active Loop Closure for Real-Time Monocular SLAM	X. Chen and H. Lu and J. Xiao and H. Zhang and W. Pan	None	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Experience-based navigation for long-term localisation	W. Churchill and P. Newman	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Life-Long SLAM Approach Using Adaptable Local Maps Based on Rasterized LIDAR Images	W. Ali and P. Liu and R. Ying and Z. Gong	IEEE SENSORS JOURNAL	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		SLAM plus plus -A highly efficient and temporally scalable incrementalSLAM framework	V. Ilia and L. Polok and M. Solony and P. Svoboda	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Robust underwater obstacle detection and collision avoidance	V. Ganeshan and M. Chitre and E. Brekke	AUTONOMOUS ROBOTS	2016	sousarbarb	18 May 2022 17:01:46	Rejected

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		Voxgraph: Globally Consistent, Volumetric Mapping Using Signed Distance Function Submaps	V. Reijgwart and A. Millane and R. H. A. S. Oleynikova and C. Cadena and J. Nieto	IEEE ROBOTICS AND AUTOMATION LETTERS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Bathymetric Factor Graph SLAM with Sparse Point Cloud Alignment	V. Bichucher and J. M. Walls and P. Ozog and S. K. A. and R. M. Eustice	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
□		VIRAL-Fusion: A Visual-Inertial-Ranging-Lidar Sensor Fusion Approach	T.-M. Nguyen and M. Cao and S. Yuan and T. H. Y. A. N. Lyu and L. Xie	IEEE TRANSACTIONS ON ROBOTICS	2022	sousarbarb	18 May 2022 17:01:46	Accepted
□		Embedding local metrical map patches in a globally consistent topological map	U. Zimmer	None	1998	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Scalable Change Detection from 3D Point Cloud Maps: Invariant Map Coordinate for Joint Viewpoint-Change Localization	T. Yoshiki and T. Kanji and Y. Naiming	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Benchmarking 6DOF Outdoor Visual Localization in Changing Conditions	T. Sattler and W. Maddern and C. Toft and L. A. A. H. Torii and E. Stenborg and D. Safari and O. Masatoshi and M. Pollefeys and J. Sivic and T. F. A. P. Kahl		2018	sousarbarb	18 May 2022 17:01:46	Rejected
□		Mining DCNN Landmarks for Long-term Visual SLAM	T. Taisho and T. Kanji	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
□		VISUAL LOCALIZATION USING SPARSE SEMANTIC 3D MAP	T. Shi and S. Shen and X. Gao and L. Zhu	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Vision-Based Markov Localization Across Large Perceptual Changes	T. Naseer and B. Suger and M. Ruhnke and B. Wolfram	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Multiple map hypotheses for planning and navigating in non-stationary environments	T. Morris and F. Dayoub and P. Corke and B. G. A. U. Wyeth	None	2014	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Persistent Localization and Life-long Mapping in Changing Environments using the Frequency Map Enhancement	T. Krajnik and J. P. Fentanes and T. M. A. D. Hanheide	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Long-Term Inertial Navigation Aided by Dynamics of Flow Field Features	Z. Song and K. Mohseni	IEEE JOURNAL OF OCEANIC ENGINEERING	2018	sousarbarb	18 May 2022 17:01:46	Accepted
□		DE-SLAM: SLAM for highly dynamic environment	Z. Xing and X. Zhu and D. Dong	JOURNAL OF FIELD ROBOTICS	None	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Contrastive Learning for Image Registration in Visual Teach and RepeatNavigation	Z. Rozsypalek and G. Broughton and P. Linder and R. Tomas and J. Blaha and L. Mentzl and T. K. A. K. Kusumam	SENSORS	2022	sousarbarb	18 May 2022 17:01:46	Accepted
□		I am Not Afraid of the Jammer: Navigating with Signals of Opportunity in GPS-Denied Environments	Z. M. Kassas and J. Khalife and A. Abdallah and C. Lee	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Map-less long-term localization in complex industrial environments	Z. Liu and Z. Qiao and C. Suo and Y. Liu and J. Kefan	ASSEMBLY AUTOMATION	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Segmented Matching Method of Multi-Geophysics Field SLAM Data Based on LSTM	Z. Li and H. Yu and T. Shen and Z. Li	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		RadarSLAM: A robust simultaneous localization and mapping system for allweather conditions	Z. Hong and Y. Petillot and A. Wallace and S. Wang	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2022	sousarbarb	18 May 2022 17:01:46	Accepted
□		Learning Context Flexible Attention Model for Long-Term Visual Place Recognition	Z. Chen and L. Liu and I. Sa and Z. Ge and C. Margarita	IEEE ROBOTICS AND AUTOMATION LETTERS	2018	sousarbarb	18 May 2022 17:01:46	Duplicated

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
		Migratory Birds-Inspired Navigation System for Unmanned Aerial Vehicles	Y. Zhang and A. Chao and B. Zhao and H. Liu and Z. Xiaolin	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
		Explorations on visual localization from active to passive	Y. Yang and Y. Wu and N. Chen	MULTIMEDIA TOOLS AND APPLICATIONS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
		Vision-Aided Multi-UAV Autonomous Flocking in GPS-Denied Environment	Y. Tang and Y. Hu and J. Cui and F. Liao and L. Mingjie and F. Lin and R. S. H. Teo	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
		Cooperative bathymetry-based localization using low-cost autonomousunderwater vehicles	Y. T. Tan and M. Chitre and F. S. Hover	AUTONOMOUS ROBOTS	2016	sousarbarb	18 May 2022 17:01:46	Accepted
		Sparse optimization for robust and efficient loop closing	Y. Latif and G. Huang and J. Leonard and J. Neira	ROBOTICS AND AUTONOMOUS SYSTEMS	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
		Realizing, Reversing, Recovering : Incremental Robust Loop Closing over time using the iRRR algorithm	Y. Latif and C. Cadena and J. Neira	None	2012	sousarbarb	18 May 2022 17:01:46	Duplicated
		An efficient approach to odometric non-systematic error modeling for mobile robots	Y. Jingdong and H. Bingrong and P. Songhao	CHINESE JOURNAL OF ELECTRONICS	2008	sousarbarb	18 May 2022 17:01:46	Duplicated
		Simultaneous Positioning And Map Construction of Mobile Robots Based on The Cartographer Algorithm	Y. Guihua and L. Zhiyi and T. Weiwei	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
		Map management for robust long-term visual localization of an autonomous shuttle in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and D. Michel	MULTIMEDIA TOOLS AND APPLICATIONS	2022	sousarbarb	18 May 2022 17:01:46	Duplicated
		Keyframes retrieval for robust long-term visual localization in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and D. Michel	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
		Learning by Inertia: Self-supervised Monocular Visual Odometry for RoadVehicles [arXiv]	C. Wang and Y. Yuan and Q. Wang	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
		OpenCSI: An Open-Source Dataset for Indoor Localization Using CSI-BasedFingerprinting [arXiv]	A. Gassner and C. Musat and A. Rusu and A. Burg	arXiv	2021	sousarbarb	17 May 2022 15:59:19	Rejected
		ViPR: Visual-Odometry-aided Pose Regression for 6DoF Camera Localization [arXiv]	F. Ott and T. Feigl and C. LÄ¶ffler and C. Mutschler	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
		A Reduced Camera SLAM Approach for Indoor and Outdoor Navigation Using Laser Information for Landmark Initialization and Relative Motion Information	M. Popp and J. Atman and G. Scholz and G. F. J. A. T. Ruppelt	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
		Geometry-based Graph Pruning for Lifelong SLAM [arXiv]	G. Kurz and M. Holoch and P. Biber	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
		Long-term Visual Localization using Semantically Segmented Images [arXiv]	E. Stenborg and C. Toft and L. Hammarstrand	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
		Past, Present, and Future of Simultaneous Localization And Mapping:Towards the Robust-Perception Age [arXiv]	C. Cadena and L. Carlone and H. Carrillo and Y. Latif and D. Scaramuzza and J. Neira and I. Reid and J. J. Leonard	arXiv	2016	sousarbarb	17 May 2022 15:59:20	Rejected
		Improved and Scalable Online Learning of Spatial Concepts and LanguageModels with Mapping [arXiv]	A. Taniguchi and Y. Hagiwara and T. Taniguchi and T. Inamura	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
		Map as The Hidden Sensor: Fast Odometry-Based Global Localization [arXiv]	C. Peng and D. Weikersdorfer	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
		Information-based Active SLAM via Topological Feature Graphs [arXiv]	B. Mu and M. Giamou and L. Paull and A.-A. Aghamohammadi and J. Leonard and J. How	arXiv	2015	sousarbarb	17 May 2022 15:59:20	Rejected

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□		CMU-GPR Dataset: Ground Penetrating Radar Dataset for Robot Localizationand Mapping [arXiv]	A. Baikovitz and P. Sodhi and M. Dille and M. Kaess	arXiv	2021	sousarbarb	17 May 2022 15:59:19	Rejected
□		Probabilistic Object Maps for Long-Term Robot Localization [arXiv]	A. Adkins and T. Chen and J. Biswas	arXiv	2021	sousarbarb	17 May 2022 15:59:19	Rejected
□		Lightweight Object-level Topological Semantic Mapping and Long-termGlobal Localization based on Graph Matching [arXiv]	F. Wang and C. Zhang and F. Tang and H. Jiang and Y. Wu and Y. Liu	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
□		NYU-VPR: Long-Term Visual Place Recognition Benchmark with ViewDirection and Data Anonymization Influences [arXiv]	D. Sheng and Y. Chai and X. Li and C. Feng and J. Lin and C. Silva and J.-R. Rizzo	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		3D Localization, Mapping and Path Planning for Search and Rescue Operations	R. Dube and A. Gawel and C. Cadena and R. Siegwart and M. L. A. G. Freda	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
□		3D LiDAR-based global localization using siamese neural network	H. Yin and Y. Wang and X. Ding and L. Tang and S. Huang and R. Xiong	IEEE Transactions on Intelligent Transportation Systems	2020	sousarbarb	17 May 2022 16:40:00	Duplicated
□		3D LiDAR-Based Global Localization Using Siamese Neural Network	H. Yin and Y. Wang and X. Ding and L. Tang and H. Shoudong and R. Xiong	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Robot perception of static and dynamic objects with an autonomous floorscrubber	Z. Yan and S. Schreiberhuber and T. G. A. D. Halmetschlager and M. Vincze and N. Bellotto	INTELLIGENT SERVICE ROBOTICS	2020	sousarbarb	18 May 2022 17:01:46	Rejected
□		PLSAV: Parallel loop searching and verifying for loop closure detection	Z. Yang and Y. Pan and L. Deng and Y. Xie and R. Huan	IET INTELLIGENT TRANSPORT SYSTEMS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Zero-Shot Learning to Manage a Large Number of Place-SpecificCompressive Change Classifiers [arXiv]	T. Kanji	arXiv	2017	sousarbarb	17 May 2022 15:59:20	Rejected
□		Are We Ready for Service Robots? The OpenLORIS-Scene Datasets forLifelong SLAM [arXiv]	X. Shi and D. Li and P. Zhao and Q. Tian and Y. Tian and Q. Long and C. Zhu and J. Song and F. Qiao and L. Song and Y. Guo and Z. Wang and Y. Zhang and B. Qin and W. Yang and F. Wang and R. H. M. Chan and Q. She	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
□		Communication constrained cloud-based long-term visual localization inreal time [arXiv]	X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
□		Curating Long-term Vector Maps [arXiv]	S. Nashed and J. Biswas	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□		Localizing Backscatters by a Single Robot With Zero Start-up Cost [arXiv]	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
□		An Experimental Evaluation of Robustness and Precision for Long-termLiDAR-based Localization in Highly Changing Environments [arXiv]	S. Dominguez and G. Garcia and V. FrÃ©mont and A. Hamon	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□		Training a Convolutional Neural Network for Appearance-Invariant PlaceRecognition [arXiv]	R. Gomez-Ojeda and M. Lopez-Antequera and N. Petkov and J. Gonzalez-Jimenez	arXiv	2015	sousarbarb	17 May 2022 15:59:20	Rejected
□		Network Uncertainty Informed Semantic Feature Selection for Visual SLAM [arXiv]	P. Ganti and S. L. Waslander	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected

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□		A Unified Framework for Mutual Improvement of SLAM and SemanticSegmentation [arXiv]	K. Wang and Y. Lin and L. Wang and L. Han and M. Hua and X. Wang and S. Lian and B. Huang	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
□		Compact 3D Map-Based Monocular Localization Using Semantic EdgeAlignment [arXiv]	K. Qiu and S. Chen and J. Zhang and R. Huang and L. Cui and S. Zhu and P. Tan	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Evolving Indoor Navigational Strategies Using Gated Recurrent Units InNEAT [arXiv]	J. Butterworth and R. Savani and K. Tuyls	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
□		Self-Supervised Learning of Lidar Segmentation for Autonomous IndoorNavigation [arXiv]	H. Thomas and B. Agro and M. Gridseth and J. Zhang and T. D. Barfoot	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□		A Robust RGB-D Image-Based SLAM System	L. Pan and J. Cheng and W. Feng and X. Ji	None	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Robust Localization Method in Indoor Dynamic Environment	S. Huang and H.-Z. Huang and Q. Zeng	IOP Conference Series: Materials Science and Engineering	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
□		A Robust RGB-D Image-Based SLAM System	L. Pan and J. Cheng and W. Feng and X. Ji	None	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
□		A Robust Localization Method in Indoor Dynamic Environment	S. Huang and H.-Z. Huang and Q. Zeng	IOP Conference Series: Materials Science and Engineering	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
□		BundleTrack: 6D Pose Tracking for Novel Objects without Instance orCategory-Level 3D Models [arXiv]	B. Wen and K. Bekris	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		A visual bag of words method for interactive qualitative localization and mapping	D. FILLIAT	None	2007	sousarbarb	17 May 2022 15:59:20	Duplicated
□		A visual bag of words method for interactive qualitative localization and mapping	D. Filliat	2007 IEEE International Conference on Robotics and Automation (IEEE Cat No. 07CH37836D)	2007	sousarbarb	17 May 2022 16:40:00	Duplicated
□		A speeded-up online incremental vision-based loop-closure detection for long-term SLAM	A. Kawewong and N. Tongprasit and O. Hasegawa	Advanced Robotics	2013	sousarbarb	17 May 2022 15:59:19	Duplicated
□		A real-time visual-inertial mapping and localization method by fusing unstable GPS	Z. Zhang and H. Wang and W. Chen	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Unified Framework for Mutual Improvement of SLAM and Semantic Segmentation	K. Wang and Y. Lin and L. Wang and L. Han and H. Minjie and X. Wang and S. Lian and B. Huang	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Unified Framework for Mutual Improvement of SLAM and Semantic Segmentation	K. Wang and Y. Lin and L. Wang and L. Han and M. Hua and X. Wang and S. Lian and B. Huang	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
□		A Unified Framework for Mutual Improvement of SLAM and Semantic Segmentation	K. Wang and Y. Lin and L. Wang and L. Han and M. Hua and X. Wang and S. Lian and B. Huang	2019 International Conference on Robotics and Automation (ICRA)	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
□		A Study on Wearable Robotics - Comfort is in the Context	D. C. Herath and T. Chapman and A. Tomkins and L. Elliott and M. David and A. Cooper and D. Burnham and S. Kodagoda	None	2011	sousarbarb	17 May 2022 15:59:20	Duplicated

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status ↕
□		A study on wearable robotics - comfort is in the context		D. C. Herath and T. Chapman and A. Tomkins and L. Elliott and M. David and A. Cooper and D. Burnham and S. Kodagoda		2011 IEEE International Conference on Robotics and Biomimetics (ROBIO)		2011		sousarbarb		17 May 2022 16:40:00		Duplicated
□		A SLAM based on auxiliary marginalised particle filter and differential evolution		R. Havangi and M. A. Nekoui and M. Teshnehab and H. D. Taghirad		International Journal of Systems Science		2014		sousarbarb		17 May 2022 15:59:20		Duplicated
□		A SLAM based on auxiliary marginalised particle filter and differential evolution		R. Havangi and M. A. Nekoui and M. Teshnehab and H. D. Taghirad		International Journal of Systems Science		2014		sousarbarb		17 May 2022 16:40:01		Duplicated
□		6 DoF SLAM using a ToF Camera: The challenge of a continuously growing number of landmarks		S. Hochdorfer and C. Schlegel		None		2010		sousarbarb		18 May 2022 17:01:46		Duplicated
□		6 DoF SLAM using a ToF camera: the challenge of a continuously growing number of landmarks		S. Hochdorfer and C. Schlegel		2010 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2010)		2010		sousarbarb		17 May 2022 16:40:01		Duplicated
□		3D global mapping of large-scale unstructured orchard integrating eye-in-hand stereo vision and SLAM		M. Chen and Y. Tang and X. Zou and Z. Huang and H. Zhou and S. Chen		Computers and Electronics in Agriculture		2021		sousarbarb		17 May 2022 15:59:20		Duplicated
□		A life-long SLAM approach using adaptable local maps based on rasterizedLIDAR images [arXiv]		W. Ali and P. Liu and R. Ying and Z. Gong		arXiv		2021		sousarbarb		17 May 2022 15:59:20		Rejected
□		Duckiefloat: a Collision-Tolerant Resource-Constrained Blimp for Long-Term Autonomy in Subterranean Environments [arXiv]		Y.-W. Huang and C.-L. Lu and K.-L. Chen and P.-S. Ser and J.-T. Huang and Y.-C. Shen and P.-W. Chen and P.-K. Chang and S.-C. Lee and H.-C. Wang		arXiv		2019		sousarbarb		17 May 2022 15:59:20		Rejected
□		A Realtime Autonomous Robot Navigation Framework for Human likeHigh-level Interaction and Task Planning in Global Dynamic Environment [arXiv]		S.-H. Joo and S. Manzoor and Y. G. Rocha and H.-U. Lee and T.-Y. Kuc		arXiv		2019		sousarbarb		17 May 2022 15:59:20		Rejected
□		Learning Object-Based State Estimators for Household Robots [arXiv]		Y. Du and T. Lozano-Perez and L. Kaelbling		arXiv		2020		sousarbarb		17 May 2022 15:59:20		Rejected
□		Map-based Visual-Inertial Localization: Consistency and Complexity [arXiv]		Z. Zhang and Y. Jiao and S. Huang and Y. Wang and R. Xiong		arXiv		2022		sousarbarb		17 May 2022 15:59:20		Rejected
□		Pole-like Objects Mapping and Long-Term Robot Localization in DynamicUrban Scenarios [arXiv]		Z. Wang and S. Li and M. Cao and H. Chen and Y. Liu		arXiv		2021		sousarbarb		17 May 2022 15:59:20		Rejected
□		A Novel Global Relocalization Method Based on Hierarchical Registration of 3D Point Cloud Map for Mobile Robot		Q. Tian and Y. Gao and G. Li and J. Song		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated
□		A Lightweight Localization Strategy for LiDAR-Guided Autonomous Robots with Artificial Landmarks		S. Wang and X. Chen and G. Ding and Y. Li and X. Wenchang and Q. Zhao and Y. Gong and Q. Song		SENSORS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated
□		A Contribution to Vision-based Localization, Tracking and Navigation Methods for an Interactive Mobile Service-Robot		H.-M. Gross and H.-J. Boehme and T. Wilhelm		None		2001		sousarbarb		17 May 2022 15:59:20		Duplicated
□		A B-spline Mapping Framework for Long-Term Autonomous Operations		R. T. Rodrigues and A. P. Aguiar and A. Pascoal		None		2018		sousarbarb		18 May 2022 17:01:46		Duplicated
□		A contribution to vision-based localization, tracking and navigation methods for an interactive mobile service-robot		H. Gross and H. Boehme and T. Wilhelm		None		2002		sousarbarb		18 May 2022 17:01:46		Duplicated
□		A B-Spline Mapping Framework for Long-Term Autonomous Operations		R. T. Rodrigues and A. P. Aguiar and A. Pascoal		2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2018		sousarbarb		17 May 2022 16:40:01		Duplicated

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□		A B-Spline Mapping Framework for Long-Term Autonomous Operations	R. T. Rodrigues and A. P. Aguiar and A. Pascoal	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
□		A B-Spline Mapping Framework for Long-Term Autonomous Operations	R. T. Rodrigues and A. P. Aguiar and A. Pascoal	None	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
□		6 DoF SLAM Using a ToF Camera: The Challenge of a Continuously Growing Number of Landmarks	S. Hochdorfer and C. Schlegel	None	2010	sousarbarb	17 May 2022 15:59:20	Duplicated
□		3DOF Pedestrian Trajectory Prediction Learned from Long-Term Autonomous Mobile Robot Deployment Data	L. Sun and Z. Yan and S. M. Mellado and T. M. A. D. Hanheide	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
□		3DOF Pedestrian Trajectory Prediction Learned from Long-Term Autonomous Mobile Robot Deployment Data	L. Sun and Z. Yan and S. M. Mellado and M. Hanheide and T. Duckett	2018 IEEE International Conference on Robotics and Automation (ICRA)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
□		3DOF Pedestrian Trajectory Prediction Learned from Long-Term Autonomous Mobile Robot Deployment Data	L. Sun and Z. Yan and S. M. Mellado and M. Hanheide and T. Duckett	None	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
□		3DOF Pedestrian Trajectory Prediction Learned from Long-Term Autonomous Mobile Robot Deployment Data	L. Sun and Z. Yan and S. M. Mellado and M. Hanheide and T. Duckett	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
□		AVP-SLAM: Semantic Visual Mapping and Localization for Autonomous Vehicles in the Parking Lot	T. Qin and T. Chen and Y. Chen and Q. Su	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
□		AVP-SLAM: Semantic Visual Mapping and Localization for Autonomous Vehicles in the Parking Lot	T. Qin and T. Chen and Y. Chen and Q. Su	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
□		AUV robust bathymetric simultaneous localization and mapping	T. Ma and Y. Li and R. Wang and Z. Cong and Y. Gong	OCEAN ENGINEERING	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
□		AUV Bathymetric Simultaneous Localisation and Mapping Using Graph Method	T. Ma and Y. Li and Y. Gong and R. Wang and M. Sheng and Q. Zhang	Journal of Navigation	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
□		AEKF-SLAM: A New Algorithm for Robotic Underwater Navigation	X. Yuan and J.-F. Martinez-Ortega and J. A. S. Fernandez and M. Eckert	SENSORS	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Hybrid Topological Mapping and Navigation Method for Large Area Robot Mapping	A. A. Ravankar and A. Ravankar and Y. T. A. K. Emaru	None	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A geometrical approach for aerial cooperative obstacle mapping using RSSI observations	S. M. M. Dehghan and H. Moradi	2014 Second RSI/ISM International Conference on Robotics and Mechatronics (ICRoM). Proceedings	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
□		A Geometrical Approach for Aerial Cooperative Obstacle Mapping using RSSI Observations	S. M. M. Dehghan and H. Moradi	None	2014	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Geodetic Normal Distribution Map for Long-Term LiDAR Localization on Earth	C. Kim and S. Cho and M. Sunwoo and B. P. A. B. Resende and K. Jo	IEEE ACCESS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A Geodetic Normal Distribution Map for Long-Term LiDAR Localization on Earth	C. Kim and S. Cho and M. Sunwoo and P. Resende and B. Bradai and K. Jo	IEEE Access	2021	sousarbarb	17 May 2022 16:40:00	Duplicated
□		A Geodetic Normal Distribution Map for Long-Term LiDAR Localization on Earth	C. Kim and S. Cho and M. Sunwoo and P. Resende and B. Bradai and K. Jo	IEEE Access	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
□		A Geodetic Normal Distribution Map for Long-Term LiDAR Localization on Earth	C. Kim and S. Cho and M. Sunwoo and P. Resende and B. Bradai and K. Jo	IEEE Access	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
□		A brain-inspired compact cognitive mapping system	T. Zeng and B. Si	COGNITIVE NEURODYNAMICS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated

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		A General Framework for Lifelong Localization and Mapping in Changing Environment	M. Zhao and X. Guo and L. Song and B. Qin and X. Shi and G. H. Lee and G. Sun	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
		A General Framework for Lifelong Localization and Mapping in Changing Environment	M. Zhao and X. Guo and L. Song and B. Qin and X. Shi and G. H. Lee and G. Sun	2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
		A General Framework for Lifelong Localization and Mapping in Changing Environment	M. Zhao and X. Guo and L. Song and B. Qin and G. H. X. A. L. Shi and G. Sun	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
		A framework for RF-visual SLAM	S. Anwar and Q. Zhao and N. Qadeer and S. I. Khan	2013 10th International Bhurban Conference on Applied Sciences and Technology (IBCAST 2013). Proceedings	2013	sousarbarb	17 May 2022 16:40:01	Duplicated
		A Fast and Robust Place Recognition Approach for Stereo Visual Odometry Using LiDAR Descriptors	J. Mo and J. Sattar	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
		A DenseNet feature-based loop closure method for visual SLAM system	C. Yu and Z. Liu and X.-J. Liu and F. Qiao and Y. Wang and F. Xie and Q. Wei and Y. Yang	None	2019	sousarbarb	17 May 2022 15:25:06	Duplicated
		A DenseNet feature-based loop closure method for visual SLAM system	C. Yu and Z. Liu and X.-J. Liu and F. Qiao and Y. Wang and F. Xie and Q. Wei and Y. Yang	2019 IEEE International Conference on Robotics and Biomimetics (ROBIO)	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
		A Dense Segmentation Network for Fine Semantic Mapping	G. Zuo and T. Zheng and Z. Xu and D. Gong	2019 IEEE International Conference on Robotics and Biomimetics (ROBIO)	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
		Active vision for door localization and door opening using playbot: A computer controlled wheelchair for people with mobility impairments	A. Andreopoulos and J. K. Tsotsos	Proceedings of the 5th Canadian Conference on Computer and Robot Vision, CRV 2008	2008	sousarbarb	18 May 2022 20:52:52	Rejected
		15th International Symposium on Distributed Autonomous Robotic Systems, DARS 2021 and 4th International Symposium on Swarm Behavior and Bio-Inspired Robotics, SWARM 2021		Springer Proceedings in Advanced Robotics	2022	sousarbarb	18 May 2022 20:52:52	Rejected
		12th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2017		Communications in Computer and Information Science	2019	sousarbarb	18 May 2022 20:52:52	Rejected
		12th International Conference on Intelligent Robotics and Applications, ICIRA 2019		Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2019	sousarbarb	18 May 2022 20:52:52	Rejected
		3rd Iberian Robotics Conference, ROBOT 2017		Advances in Intelligent Systems and Computing	2018	sousarbarb	18 May 2022 20:52:52	Rejected
		18th Annual Conference on Towards Autonomous Robotic Systems, TAROS 2017		Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017	sousarbarb	18 May 2022 20:52:52	Rejected
		17th International Conference on Computer Analysis of Images and Patterns, CAIP 2017		Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017	sousarbarb	18 May 2022 20:52:52	Rejected
		International Conference on Modelling and Simulation in Engineering, Economics, and Management, 2016		Lecture Notes in Business Information Processing	2016	sousarbarb	18 May 2022 20:52:52	Rejected
		Institute of Navigation Pacific Positioning, Navigation and Timing Meeting, Pacific PNT 2015		Proceedings of the Institute of Navigation Pacific Positioning, Navigation and Timing Meeting, Pacific PNT	2015	sousarbarb	18 May 2022 20:52:52	Rejected
		2015 European Conference on Mobile Robots, ECMR 2015 - Proceedings		2015 European Conference on Mobile Robots, ECMR 2015 - Proceedings	2015	sousarbarb	18 May 2022 20:52:52	Rejected

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	2013 4th International Conference on Material and Manufacturing Technology, ICMMT 2013		Advanced Materials Research	2013	sousarbarb	18 May 2022 20:52:52	Rejected
	AIAA Guidance, Navigation, and Control Conference 2014 - SciTech Forum and Exposition 2014		AIAA Guidance, Navigation, and Control Conference	2014	sousarbarb	18 May 2022 20:52:52	Rejected
	2008 IEEE/OES Autonomous Underwater Vehicles, AUV 2008		2008 IEEE/OES Autonomous Underwater Vehicles, AUV 2008	2008	sousarbarb	18 May 2022 20:52:52	Rejected
	Proceedings of the 2005 Australasian Conference on Robotics and Automation, ACRA 2005		Proceedings of the 2005 Australasian Conference on Robotics and Automation, ACRA 2005	2005	sousarbarb	18 May 2022 20:52:52	Rejected
	A Novel Global Relocalization Method Based on Hierarchical Registration of 3D Point Cloud Map for Mobile Robot	Q. Tian and Y. Gao and G. Li and J. Song	2019 5th International Conference on Control, Automation and Robotics (ICCAR)	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	A Novel Global Relocalization Method Based on Hierarchical Registration of 3D Point Cloud Map for Mobile Robot	Q. Tian and Y. Gao and G. Li and J. Song	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	A Robust RGB-D Image-Based SLAM System	L. Pan and J. Cheng and W. Feng and X. Ji	Computer Vision Systems. 11th International Conference, ICVS 2017. Revised Selected Papers: LNCS 10528	2017	sousarbarb	17 May 2022 16:40:01	Duplicated
	A Lightweight Localization Strategy for LiDAR-Guided Autonomous Robots with Artificial Landmarks	S. Wang and X. Chen and G. Ding and Y. Li and W. Xu and Q. Zhao and Y. Gong and Q. Song	Sensors	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	A Light Visual Mapping and Navigation Framework for Low-Cost Robots	S. Bazeille and E. Battesti and D. Filliat	JOURNAL OF INTELLIGENT SYSTEMS	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
	A Light Visual Mapping and Navigation Framework for Low-Cost Robots	S. Bazeille and E. Battesti and D. Filliat	Journal of Intelligent Systems	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	A Life-Long SLAM Approach Using Adaptable Local Maps Based on Rasterized LIDAR Images	W. Ali and P. Liu and R. Ying and Z. Gong	IEEE Sensors Journal	2021	sousarbarb	17 May 2022 16:40:02	Duplicated
	A hybrid topological mapping and navigation method for large area robot mapping	A. A. Ravankar and A. Ravankar and T. Emaru and Y. Kobayashi	2017 56th Annual Conference of the Society of Instrument and Control Engineers of Japan (SICE). Proceedings	Sept.2017	sousarbarb	17 May 2022 16:40:00	Duplicated
	A Life-Long SLAM Approach Using Adaptable Local Maps Based on Rasterized LIDAR Images	W. Ali and P. Liu and R. Ying and Z. Gong	IEEE Sensors Journal	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
	SolarSLAM: Battery-free loop closure for indoor localisation	B. Wei and W. Xu and C. Luo and G. Zoppi and D. Ma and S. Wang	IEEE International Conference on Intelligent Robots and Systems	2020	sousarbarb	18 May 2022 20:52:52	Accepted
	Marker-based multi-sensor fusion indoor localization system for micro air vehicles	B. Xing and Q. Zhu and F. Pan and X. Feng	Sensors (Switzerland)	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Information-based Active SLAM via topological feature graphs	B. Mu and M. Giambou and L. Paull and A.-A. Agha-Mohammadi and J. Leonard and J. How	2016 IEEE 55th Conference on Decision and Control, CDC 2016	2016	sousarbarb	18 May 2022 20:52:52	Accepted
	Predicting the long-term robustness of visual features	B. Metka and A. Besetny and U. Bauer-Wersing and M. Franzius	Proceedings of the 17th International Conference on Advanced Robotics, ICAR 2015	2015	sousarbarb	18 May 2022 20:52:52	Accepted
	DynaSLAM: Tracking, Mapping, and Inpainting in Dynamic Scenes	B. Bescos and J. M. Facil and J. Civera and J. Neira	IEEE Robotics and Automation Letters	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Appearance-based mapping and localization for mobile robots using a feature stability histogram	B. Bacca and J. Salvi and X. Cuffi	Robotics and Autonomous Systems	2011	sousarbarb	18 May 2022 20:52:52	Accepted
	Appearance-based SLAM for mobile robots	B. Bacca and J. Salvi and X. Cuffi	Frontiers in Artificial Intelligence and Applications	2009	sousarbarb	18 May 2022 20:52:52	Accepted
	Graph optimization methods for large-scale crowdsourced mapping	A. Stoven-Dubois and A. Dziri and B. Leroy and R. Chapuis	Proceedings of 2020 23rd International Conference on Information Fusion, FUSION 2020	2020	sousarbarb	18 May 2022 20:52:52	Accepted

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		Improved and scalable online learning of spatial concepts and language models with mapping	A. Taniguchi and Y. Hagiwara and T. Taniguchi and T. Inamura	Autonomous Robots	2020	sousarbarb	18 May 2022 20:52:52	Rejected
		Robust and accurate monocular vision-based localization in outdoor environments of real-world robot challenge	A. Sujivo and E. Takeuchi and L. Y. Morales and N. Akai and H. Darweesh and Y. Ninomiya and M. Edahiro	Journal of Robotics and Mechatronics	2017	sousarbarb	18 May 2022 20:52:52	Accepted
		ExMaps: Long-term localization in dynamic scenes using exponential decay	A. Rotsidis and C. Lutteroth and P. Hall and C. Richardt	Proceedings - 2021 IEEE Winter Conference on Applications of Computer Vision, WACV 2021	2021	sousarbarb	18 May 2022 20:52:52	Accepted
		Long-term vehicle localization in urban environments based on pole landmarks extracted from 3-D lidar scans	A. Schaefer and D. Büscher and J. Vertens and L. Luft and W. Burgard	Robotics and Autonomous Systems	2021	sousarbarb	18 May 2022 20:52:52	Accepted
		Loop closure detection by compressed sensing for exploration of mobile robots in outdoor environments	A. N. Ravari and H. D. Taghirad	International Conference on Robotics and Mechatronics, ICROM 2015	2015	sousarbarb	18 May 2022 20:52:52	Accepted
		Reconnaissance and Autonomy for Small Robots (RASR) team: MAGIC 2010 challenge	A. Lacaze and K. Murphy and M. D. Giorno and K. Corley	Proceedings of SPIE - The International Society for Optical Engineering	2012	sousarbarb	18 May 2022 20:52:52	Rejected
		Improving visual SLAM in car-navigated urban environments with appearance maps	A. Jaenal and D. Zuniga-Noel and R. Gomez-Ojeda and J. Gonzalez-Jimenez	IEEE International Conference on Intelligent Robots and Systems	2020	sousarbarb	18 May 2022 20:52:52	Accepted
		A speeded-up online incremental vision-based loop-closure detection for long-term SLAM	A. Kawewong and N. Tongprasit and O. Hasegawa	Advanced Robotics	2013	sousarbarb	18 May 2022 20:52:52	Accepted
		PIRF-Nav 2.0: Fast and online incremental appearance-based loop-closure detection in an indoor environment	A. Kawewong and N. Tongprasit and O. Hasegawa	Robotics and Autonomous Systems	2011	sousarbarb	18 May 2022 20:52:52	Accepted
		Online and incremental appearance-based slam in highly dynamic environments	A. Kawewong and N. Tongprasit and S. Tangruamsub and O. Hasegawa	International Journal of Robotics Research	2011	sousarbarb	18 May 2022 20:52:52	Accepted
		FAB-MAP + RatSLAM: Appearance-based SLAM for multiple times of day	A. J. Glover and W. P. Maddern and M. J. Milford and G. F. Wyeth	Proceedings - IEEE International Conference on Robotics and Automation	2010	sousarbarb	18 May 2022 20:52:52	Accepted
		Edge-SLAM: Edge-assisted visual simultaneous localization and mapping	A. J. B. Ali and Z. S. Hashemifar and K. Dantu	MobiSys 2020 - Proceedings of the 18th International Conference on Mobile Systems, Applications, and Services	2020	sousarbarb	18 May 2022 20:52:52	Accepted
		Towards accurate deep-sea localization in structured environments based on perception quality cues	A. G. Chavez and Q. Xu and C. A. Mueller and S. Schwertfeger and A. Birk	Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems, AAMAS	2019	sousarbarb	18 May 2022 20:52:52	Rejected
		Onboard Detection-Tracking-Localization	D. Tang and Q. Fang and L. Shen and T. Hu	IEEE/ASME Transactions on Mechatronics	2020	sousarbarb	18 May 2022 20:52:52	Rejected
		Approximating Marginalization with Sparse Global Priors for Sliding Window SLAM-Graphs	D. Wilbers and L. Rumberg and C. Stachniss	Proceedings - 3rd IEEE International Conference on Robotic Computing, IRC 2019	2019	sousarbarb	18 May 2022 20:52:52	Accepted
		Efficient Map Compression for Collaborative Visual SLAM	D. V. Opdenbosch and T. Aykut and M. Oelsch and N. Alt and E. Steinbach	Proceedings - 2018 IEEE Winter Conference on Applications of Computer Vision, WACV 2018	2018	sousarbarb	18 May 2022 20:52:52	Accepted
		Robust sound source mapping using three-layered selective audio rays for mobile robots	D. Su and K. Nakamura and K. Nakadai and J. V. Miro	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:52	Rejected
		Development of an Autonomous Robotic System Using the Graph-based SPLAM Algorithm	D. Kozlov and V. Myasnikov	Proceedings of ITNT 2021 - 7th IEEE International Conference on Information Technology and Nanotechnology	2021	sousarbarb	18 May 2022 20:52:52	Accepted

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☐	Towards lifelong feature-based mapping in semi-static environments	D. M. Rosen and J. Mason and J. J. Leonard	Proceedings - IEEE International Conference on Robotics and Automation	2016	sousarbarb	18 May 2022 20:52:52	Accepted
☐	Optical flow localisation and appearance mapping (OFLAAM) for long-term navigation	D. Pastor-Moreno and H.-S. Shin and A. Waldock	2015 International Conference on Unmanned Aircraft Systems, ICUAS 2015	2015	sousarbarb	18 May 2022 20:52:52	Accepted
☐	Hierarchical loop detection for mobile outdoor robots	D. Lang and C. Winkens and M. Häselich and D. Paulus	Proceedings of SPIE - The International Society for Optical Engineering	2012	sousarbarb	18 May 2022 20:52:52	Accepted
☐	kRadar++: Coarse-to-fine FMCW scanning radar localisation	D. D. Martini and M. Gadd and P. Newman	Sensors (Switzerland)	2020	sousarbarb	18 May 2022 20:52:52	Accepted
☐	SLAM for autonomous planetary rovers with global localization	D. Geromichalos and M. Azkarate and E. Tsardoulas and L. Gerdes and L. Petrou and C. P. D. Pulgar	Journal of Field Robotics	2020	sousarbarb	18 May 2022 20:52:52	Accepted
☐	SLAMinDB: Centralized graph databases for mobile robotics	D. Fourie and S. Claassens and S. Pillai and R. Mata and J. Leonard	Proceedings - IEEE International Conference on Robotics and Automation	2017	sousarbarb	18 May 2022 20:52:52	Rejected
☐	What if there was no revisit? Large-scale graph-based SLAM with traffic sign detection in an HD map using LiDAR inertial odometry	C. Sung and S. Jeon and H. Lim and H. Myung	Intelligent Service Robotics	2021	sousarbarb	18 May 2022 20:52:52	Accepted
☐	A DenseNet feature-based loop closure method for visual SLAM system	C. Yu and Z. Liu and X.-J. Liu and F. Qiao and Y. Wang and F. Xie and Q. Wei and Y. Yang	IEEE International Conference on Robotics and Biomimetics, ROBIO 2019	2019	sousarbarb	18 May 2022 20:52:52	Accepted
☐	Navigation for Indoor Robot: Straight Line Movement via Navigator	C. Zhu and M. He and P. Chen and K. Sun and J. Wang and Q. Huang	Mathematical Problems in Engineering	2018	sousarbarb	18 May 2022 20:52:52	Rejected
☐	Part-based SLAM for partially changing environments	C. Yuuto and T. Kanji and A. Masatoshi	2013 IEEE International Conference on Robotics and Biomimetics, ROBIO 2013	2013	sousarbarb	18 May 2022 20:52:52	Accepted
☐	Multi-session Lake-Shore Monitoring in Visually Challenging Conditions	C. Pradalier and S. Aravecchia and F. Pomerleau	Springer Proceedings in Advanced Robotics	2021	sousarbarb	18 May 2022 20:52:52	Accepted
☐	NASA Space Robotics Challenge 2 Qualification Round: An Approach to Autonomous Lunar Rover Operations	C. Kilic and R. B. Martinez and C. A. Tatsch and J. Beard and J. Strader and S. Das and D. Ross and Y. Gu and G. A. S. Pereira and J. N. Gross	IEEE Aerospace and Electronic Systems Magazine	2021	sousarbarb	18 May 2022 20:52:52	Rejected
☐	A Geodetic Normal Distribution Map for Long-Term LiDAR Localization on Earth	C. Kim and S. Cho and M. Sunwoo and P. Resende and B. Bradai and K. Jo	IEEE Access	2021	sousarbarb	18 May 2022 20:52:52	Accepted
☐	Work smart, not hard: Recalling relevant experiences for vast-scale but time-constrained localisation	C. Linegar and W. Churchill and P. Newman	Proceedings - IEEE International Conference on Robotics and Automation	2015	sousarbarb	18 May 2022 20:52:52	Accepted
☐	Learning place-dependant features for long-term vision-based localisation	C. McManus and B. Upcroft and P. Newman	Autonomous Robots	2015	sousarbarb	18 May 2022 20:52:52	Accepted
☐	Active SLAM in structured environments	C. Leung and S. Huang and G. Dissanayake	Proceedings - IEEE International Conference on Robotics and Automation	2008	sousarbarb	18 May 2022 20:52:52	Rejected
☐	Input Uncertainty Sensitivity Enhanced Nonsingleton Fuzzy Logic Controllers for Long-Term Navigation of Quadrotor UAVs	C. Fu and A. Sarabakha and E. Kayacan and C. Wagner and R. John and J. M. Garibaldi	IEEE/ASME Transactions on Mechatronics	2018	sousarbarb	18 May 2022 20:52:52	Rejected
☐	BundleTrack: 6D Pose Tracking for Novel Objects without Instance or Category-Level 3D Models	B. Wen and K. Bekris	IEEE International Conference on Intelligent Robots and Systems	2021	sousarbarb	18 May 2022 20:52:52	Rejected

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
		An alternate approach to GPS denied navigation based on monocular SLAM techniques		G. Farley and M. Chapman		Proceedings of the Institute of Navigation, National Technical Meeting		2008		sousarbarb		18 May 2022 20:52:52		Rejected	
		Hough2Map-Iterative Event-Based Hough Transform for High-Speed Railway Mapping		F. Tschopp and C. V. Einem and A. Cramariuc and D. Hug and A. W. Palmer and R. Siegwart and M. Chli and J. Nieto		IEEE Robotics and Automation Letters		2021		sousarbarb		18 May 2022 20:52:52		Accepted	
		ViPR: Visual-odometry-aided pose regression for 6DoF camera localization		F. Ott and T. Feigl and C. Loffler and C. Muttschler		IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops		2020		sousarbarb		18 May 2022 20:52:52		Rejected	
		Online probabilistic change detection in feature-based maps		F. Nobre and C. Heckman and P. Ozog and R. W. Wolcott and J. M. Walls		Proceedings - IEEE International Conference on Robotics and Automation		2018		sousarbarb		18 May 2022 20:52:52		Accepted	
		Drift-correcting self-calibration for visual-inertial SLAM		F. Nobre and M. Kasper and C. Heckman		Proceedings - IEEE International Conference on Robotics and Automation		2017		sousarbarb		18 May 2022 20:52:52		Rejected	
		Long-term 3D map maintenance in dynamic environments		F. Pomerleau and P. Krüsi and F. Colas and P. Furgale and R. Siegwart		Proceedings - IEEE International Conference on Robotics and Automation		2014		sousarbarb		18 May 2022 20:52:52		Accepted	
		Panoramic Visual-Inertial SLAM Tightly Coupled with a Wheel Encoder		F. Jiang and J. Chen and S. Ji		ISPRS Journal of Photogrammetry and Remote Sensing		2021		sousarbarb		18 May 2022 20:52:52		Accepted	
		LCPF: A Particle Filter Lidar SLAM System with Loop Detection and Correction		F. Nie and W. Zhang and Z. Yao and Y. Shi and F. Li and Q. Huang		IEEE Access		2020		sousarbarb		18 May 2022 20:52:52		Accepted	
		Learning to calibrate: Reinforcement learning for guided calibration of visual-inertial rigs		F. Nobre and C. Heckman		International Journal of Robotics Research		2019		sousarbarb		18 May 2022 20:52:52		Rejected	
		Rotation invariant features from omnidirectional camera images using a polar higher-order local autocorrelation feature extractor		F. Lináker and M. Ishikawa		2004 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2004		sousarbarb		18 May 2022 20:52:52		Accepted	
		Sequence-based sparse optimization methods for long-term loop closure detection in visual SLAM		F. Han and H. Wang and G. Huang and H. Zhang		Autonomous Robots		2018		sousarbarb		18 May 2022 20:52:52		Accepted	
		Learning integrated holism-landmark representations for long-term loop closure detection		F. Han and H. Wang and H. Zhang		32nd AAAI Conference on Artificial Intelligence, AAAI 2018		2018		sousarbarb		18 May 2022 20:52:52		Accepted	
		SRAL: Shared Representative Appearance Learning for Long-Term Visual Place Recognition		F. Han and X. Yang and Y. Deng and M. Rentschler and D. Yang and H. Zhang		IEEE Robotics and Automation Letters		2017		sousarbarb		18 May 2022 20:52:52		Accepted	
		Robust Place Recognition and Loop Closing in Laser-Based SLAM for UGVs in Urban Environments		F. Cao and Y. Zhuang and H. Zhang and W. Wang		IEEE Sensors Journal		2018		sousarbarb		18 May 2022 20:52:52		Accepted	
		Long-term ground robot localization architecture for mixed indoor-outdoor scenarios		F. Caballero and J. Pérez and L. Merino		Proceedings for the Joint Conference of ISR 2014 - 45th International Symposium on Robotics and Robotik 2014 - 8th German Conference on Robotics, ISR/ROBOTIK 2014		2014		sousarbarb		18 May 2022 20:52:52		Accepted	
		Long-term experiments with an adaptive spherical view representation for navigation in changing environments		F. Dayoub and G. Cielniak and T. Duckett		Robotics and Autonomous Systems		2011		sousarbarb		18 May 2022 20:52:52		Accepted	
		Long-Term Visual Localization Using Semantically Segmented Images		E. Stenborg and C. Toft and L. Hammarstrand		Proceedings - IEEE International Conference on Robotics and Automation		2018		sousarbarb		18 May 2022 20:52:52		Accepted	
		Multi-robot map updating in dynamic environments		F. Abrate and B. Bona and M. Indri and S. Rosa and F. Tibaldi		Springer Tracts in Advanced Robotics		2012		sousarbarb		18 May 2022 20:52:52		Accepted	

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	Map updating in dynamic environments	F. Abrate and B. Bona and M. Indri and S. Rosa and F. Tibaldi	Joint 41st International Symposium on Robotics and 6th German Conference on Robotics 2010, ISR/ROBOTIK 2010	2010	sousarbarb	18 May 2022 20:52:52	Accepted
	Generic NDT mapping in dynamic environments and its application for lifelong SLAM	E. Einhorn and H.-M. Gross	Robotics and Autonomous Systems	2015	sousarbarb	18 May 2022 20:52:52	Accepted
	Dynamic scene models for incremental, long-term, appearance-based localisation	E. Johns and G.-Z. Yang	Proceedings - IEEE International Conference on Robotics and Automation	2013	sousarbarb	18 May 2022 20:52:52	Accepted
	Information-Theoretic Online Multi-Camera Extrinsic Calibration	E. Dexheimer and P. Peluse and J. Chen and J. Pritts and M. Kaess	IEEE Robotics and Automation Letters	2022	sousarbarb	18 May 2022 20:52:52	Rejected
	Shopbot: Progress in developing an interactive mobile shopping assistant for everyday use	H.-M. Gross and H.-J. Boehme and C. Schroeter and S. Mueller and A. Koenig and C. Martin and M. Merten and A. Bley	Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics	2008	sousarbarb	18 May 2022 20:52:52	Accepted
	PERSES - a vision-based interactive mobile shopping assistant	H.-M. Gross and H.-J. Boehme	Proceedings of the IEEE International Conference on Systems, Man and Cybernetics	2000	sousarbarb	18 May 2022 20:52:52	Accepted
	Radar-on-Lidar: Metric radar localization on prior lidar maps	H. Yin and Y. Wang and L. Tang and R. Xiong	2020 IEEE International Conference on Real-Time Computing and Robotics, RCAR 2020	2020	sousarbarb	18 May 2022 20:52:52	Accepted
	Robust multimodal sequence-based loop closure detection via structured sparsity	H. Zhang and F. Han and H. Wang	Robotics: Science and Systems	2016	sousarbarb	18 May 2022 20:52:52	Accepted
	Radar-to-Lidar: Heterogeneous Place Recognition via Joint Learning	H. Yin and X. Xu and Y. Wang and R. Xiong	Frontiers in Robotics and AI	2021	sousarbarb	18 May 2022 20:52:52	Accepted
	Hierarchical Quadtree Feature Optical Flow Tracking Based Sparse Pose-Graph Visual-Inertial SLAM	H. Xie and W. Chen and J. Wang and H. Wang	Proceedings - IEEE International Conference on Robotics and Automation	2020	sousarbarb	18 May 2022 20:52:52	Accepted
	LIO-Vehicle: A Tightly-Coupled Vehicle Dynamics Extension of LiDAR Inertial Odometry	H. Xiao and Y. Han and J. Zhao and J. Cui and L. Xiong and Z. Yu	IEEE Robotics and Automation Letters	2022	sousarbarb	18 May 2022 20:52:52	Rejected
	Information-theoretic compression of pose graphs for laser-based SLAM	H. Kretzschmar and C. Stachniss	International Journal of Robotics Research	2012	sousarbarb	18 May 2022 20:52:52	Accepted
	Efficient information-theoretic graph pruning for graph-based SLAM with laser range finders	H. Kretzschmar and C. Stachniss and G. Grisetti	IEEE International Conference on Intelligent Robots and Systems	2011	sousarbarb	18 May 2022 20:52:52	Accepted
	Domain-Invariant Similarity Activation Map Contrastive Learning for Retrieval-Based Long-Term Visual Localization	H. Hu and H. Wang and Z. Liu and W. Chen	IEEE/CAA Journal of Automatica Sinica	2022	sousarbarb	18 May 2022 20:52:52	Accepted
	Vehicle pose estimation and sonar sensor based mapping	H. Ismail and B. Balachandran	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	2015	sousarbarb	18 May 2022 20:52:52	Rejected
	Incorporating environmental measurements in navigation	H. J. S. Feder and J. J. Leonard and C. M. Smith	Proceedings of the IEEE Symposium on Autonomous Underwater Vehicle Technology	1998	sousarbarb	18 May 2022 20:52:52	Accepted
	Fine semantic mapping based on dense segmentation network	G. Zuo and T. Zheng and Y. Liu and Z. Xu and D. Gong and J. Yu	Intelligent Service Robotics	2021	sousarbarb	18 May 2022 20:52:52	Rejected
	Visual topometric localization	H. Badino and D. Huber and T. Kanade	IEEE Intelligent Vehicles Symposium, Proceedings	2011	sousarbarb	18 May 2022 20:52:52	Accepted
	Hierarchical Loop Closure Detection for Long-term Visual SLAM with Semantic-Geometric Descriptors	G. Singh and M. Wu and S.-K. Lam and D. V. Minh	IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC	2021	sousarbarb	18 May 2022 20:52:52	Accepted
	Towards life-long mapping of dynamic environments using temporal persistence modeling	G. Tsamis and I. Kostavelis and D. Giakourmis and D. Tzovaras	Proceedings - International Conference on Pattern Recognition	2020	sousarbarb	18 May 2022 20:52:52	Accepted

<input type="checkbox"/> Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□	Geometry-based Graph Pruning for Lifelong SLAM	G. Kurz and M. Holoch and P. Biber	IEEE International Conference on Intelligent Robots and Systems	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	Affine-Invariant Geometric Constraints-Based High Accuracy Simultaneous Localization and Mapping	G. Hua and X. Tan	Journal of Sensors	2017	sousarbarb	18 May 2022 20:52:52	Accepted
□	Evidence for enhanced exosome production in aromatase inhibitor-resistant breast cancer cells	G. Augimeri and G. L. Camera and L. Gelsomino and C. Giordano and S. Panza and D. Sisci and C. Morelli and B. Györffy and D. Bonfiglio and S. Andò and I. Barone and S. Catalano	International Journal of Molecular Sciences	2020	sousarbarb	18 May 2022 20:52:52	Rejected
□	Relaxing the planar assumption: 3D state estimation for an autonomous surface vessel	G. Hitz and F. Pomerleau and F. Colas and R. Siegwart	International Journal of Robotics Research	2015	sousarbarb	18 May 2022 20:52:52	Accepted
□	Survey on advances on terrain based navigation for autonomous underwater vehicles	J. Melo and A. Matos	Ocean Engineering	2017	sousarbarb	18 May 2022 20:52:52	Rejected
□	SemanticFusion: Dense 3D semantic mapping with convolutional neural networks	J. McCormac and A. Handa and A. Davison and S. Leutenegger	Proceedings - IEEE International Conference on Robotics and Automation	2017	sousarbarb	18 May 2022 20:52:52	Accepted
□	Simultaneous Localization and Mapping for Inspection Robots in Water and Sewer Pipe Networks: A Review	J. M. Aitken and M. H. Evans and R. Worley and S. Edwards and R. Zhang and T. Dodd and L. Mihaylova and S. R. Anderson	IEEE Access	2021	sousarbarb	18 May 2022 20:52:52	Rejected
□	Simultaneous localization and tracking algorithm utilizing FastSLAM framework for autonomous underwater vehicles [利用FastSLAM框架的多自治水下航行器同时定位与跟踪算法]	J. Lu and X. Chen and T. Liu and C.-X. Ma and J.-X. He	Kongzhi Lilun Yu Yingyong/Control Theory and Applications	2020	sousarbarb	18 May 2022 20:52:52	Rejected
□	Topographic SLAM Using a Single Terrain Altimeter in GNSS-Restricted Environment	J. Jang and J. Kim	IEEE Access	2022	sousarbarb	18 May 2022 20:52:52	Accepted
□	LiPMatch: LiDAR Point Cloud Plane Based Loop-Closure	J. Jiang and J. Wang and P. Wang and P. Bao and Z. Chen	IEEE Robotics and Automation Letters	2020	sousarbarb	18 May 2022 20:52:52	Accepted
□	Underwater robot visual place recognition in the presence of dramatic appearance change	J. Li and R. M. Eustice and M. Johnson-Roberson	OCEANS 2015 - MTS/IEEE Washington	2016	sousarbarb	18 May 2022 20:52:52	Accepted
□	Mapping and Localization using Semantic Road Marking with Centimeter-level Accuracy in Indoor Parking Lots	J. Hu and M. Yang and H. Xu and Y. He and C. Wang	2019 IEEE Intelligent Transportation Systems Conference, ITSC 2019	2019	sousarbarb	18 May 2022 20:52:52	Accepted
□	MOARSLAM: Multiple operator augmented RSLAM	J. G. Morrison and D. Gálvez-López and G. Sibley	Springer Tracts in Advanced Robotics	2016	sousarbarb	18 May 2022 20:52:52	Rejected
□	Visual memory update for life-long mobile robot navigation	J. Courbon and H. Korrapati and Y. Mezouar	Advances in Intelligent Systems and Computing	2013	sousarbarb	18 May 2022 20:52:52	Accepted
□	Mapping U.S. Food System Localization Potential: The Impact of Diet on Foodsheds	J. E. Kurtz and P. B. Woodbury and Z. U. Ahmed and C. J. Peters	Environmental Science and Technology	2020	sousarbarb	18 May 2022 20:52:52	Rejected
□	Exploration and Mapping Technique Suited for Visual-features Based Localization of MAVs	J. Chudoba and M. Kulich and M. Saská and T. Báča and L. Přeučil	Journal of Intelligent and Robotic Systems: Theory and Applications	2016	sousarbarb	18 May 2022 20:52:52	Accepted
□	Episodic non-Markov localization: Reasoning about short-term and long-term features	J. Biswas and M. Veloso	Proceedings - IEEE International Conference on Robotics and Automation	2014	sousarbarb	18 May 2022 20:52:52	Accepted
□	The quest for “always-on” autonomous mobile robots	J. Biswas	IJCAI International Joint Conference on Artificial Intelligence	2019	sousarbarb	18 May 2022 20:52:52	Accepted

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	Ascending stairway modeling from dense depth imagery for traversability analysis	J. A. Delmerico and D. Baran and P. David and J. Ryde and J. J. Corso	Proceedings - IEEE International Conference on Robotics and Automation	2013	sousarbarb	18 May 2022 20:52:52	Rejected
	Localization and navigation of the CoBots over long-term deployments	J. Biswas and M. M. Veloso	International Journal of Robotics Research	2013	sousarbarb	18 May 2022 20:52:52	Accepted
	Vehicle Navigation by Visual Navigational Aids for Automatic Lunar Mission	I. Ostromov and N. Kuzmenko	2021 IEEE 6th International Conference on Actual Problems of Unmanned Aerial Vehicles Development, APUAVD 2021 - Proceedings	2021	sousarbarb	18 May 2022 20:52:52	Rejected
	Towards elderly assistance identification for service robot using combination of mappings	I. M. Murwantara and B. Hardjono and A. S. Putra and H. Tjahyadi	ACM International Conference Proceeding Series	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	Laser-only road-vehicle localization with dual 2D push-broom LIDARS and 3D priors	I. Baldwin and P. Newman	IEEE International Conference on Intelligent Robots and Systems	2012	sousarbarb	18 May 2022 20:52:52	Accepted
	Use of classification and segmentation of sidescan sonar images for long term registration	I. Leblond and M. Legris and B. Solaiman	Oceans 2005 - Europe	2005	sousarbarb	18 May 2022 20:52:52	Accepted
	Distributed and collaborative monocular simultaneous localization and mapping for multi-robot systems in large-scale environments	H. Zhang and X. Chen and H. Lu and J. Xiao	International Journal of Advanced Robotic Systems	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Fault-diagnosing deep-visual-slam for 3d change object detection	K. Tanaka	Journal of Advanced Computational Intelligence and Intelligent Informatics	2021	sousarbarb	18 May 2022 20:52:52	Rejected
	Simultaneous localization and change detection for long-term map learning: A scalable scene retrieval approach	K. Tanaka	Proceedings - 2018 Joint 10th International Conference on Soft Computing and Intelligent Systems and 19th International Symposium on Advanced Intelligent Systems, SCIS-ISIS 2018	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Deformable map matching to handle uncertain loop-less maps	K. Tanaka	Journal of Advanced Computational Intelligence and Intelligent Informatics	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Model-aided monocular visual-inertial state estimation and dense mapping	K. Qiu and S. Shen	IEEE International Conference on Intelligent Robots and Systems	2017	sousarbarb	18 May 2022 20:52:52	Accepted
	CD SLAM - Continuous localization and mapping in a dynamic world	K. Pirker and M. Rüther and H. Bischof	IEEE International Conference on Intelligent Robots and Systems	2011	sousarbarb	18 May 2022 20:52:52	Accepted
	Selective memory: Recalling relevant experience for long-term visual localization	K. MacTavish and M. Paton and T. D. Barfoot	Journal of Field Robotics	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Editorial	K. O. Arras and W. Burgard and H.-M. Gross	Robotics and Autonomous Systems	2010	sousarbarb	18 May 2022 20:52:52	Rejected
	Exactly sparse delayed state filter on Lie groups for long-term pose graph SLAM	K. Lenac and J. Česić and I. Marković and I. Petrović	International Journal of Robotics Research	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Towards lifelong visual maps	K. Konolige and J. Bowman	2009 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS 2009	2009	sousarbarb	18 May 2022 20:52:52	Accepted
	Visual robot localization using compact binary landmarks	K. Ikeda and K. Tanaka	Proceedings - IEEE International Conference on Robotics and Automation	2010	sousarbarb	18 May 2022 20:52:52	Accepted
	Sequence-based mapping for probabilistic visual loop-closure detection	K. A. Tsintotas and L. Bampis and S. An and G. F. Fragulis and S. G. Mouroutsos and A. Gasteratos	IST 2021 - IEEE International Conference on Imaging Systems and Techniques, Proceedings	2021	sousarbarb	18 May 2022 20:52:52	Accepted
	Modest-vocabulary loop-closure detection with incremental bag of tracked words	K. A. Tsintotas and L. Bampis and A. Gasteratos	Robotics and Autonomous Systems	2021	sousarbarb	18 May 2022 20:52:52	Accepted

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□		Monocular localization in HD maps by combining semantic segmentation and distance transform	J.-H. Pauls and K. Petek and F. Poggemann and C. Stiller	IEEE International Conference on Intelligent Robots and Systems	2020	sousarbarb	18 May 2022 20:52:52	Accepted
□		High level assisted control mode based on SLAM for a remotely controlled robot	J.-C. Devaux and P. Nadrag and E. Colle and P. Hoppenot	IEEE 15th International Conference on Advanced Robotics: New Boundaries for Robotics, ICAR 2011	2011	sousarbarb	18 May 2022 20:52:52	Rejected
□		Quantitative performance optimisation for corner and edge based robotic vision systems: A Monte-Carlo simulation	J. Tian and N. Thacker and A. Stancu	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2016	sousarbarb	18 May 2022 20:52:52	Rejected
□		LiDAR scan matching aided inertial navigation system in GNSS-denied environments	J. Tang and Y. Chen and X. Niu and L. Wang and L. Chen and J. Liu and C. Shi and J. Hyppä	Sensors (Switzerland)	2015	sousarbarb	18 May 2022 20:52:52	Rejected
□		CREATING MULTI-TEMPORAL MAPS of URBAN ENVIRONMENTS for IMPROVED LOCALIZATION of AUTONOMOUS VEHICLES	J. Schachtschneider and C. Brenner	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2020	sousarbarb	18 May 2022 20:52:52	Accepted
□		Identifying robust landmarks in feature-based maps	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	IEEE Intelligent Vehicles Symposium, Proceedings	2019	sousarbarb	18 May 2022 20:52:52	Accepted
□		Updating the visibility of a feature-based map for long-term maintenance	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	IEEE Intelligent Vehicles Symposium, Proceedings	2019	sousarbarb	18 May 2022 20:52:52	Accepted
□		Evaluation of Long-term LiDAR Place Recognition	J. Peltomaki and F. Alijani and J. Puura and H. Huttunen and E. Rahtu and J.-K. Kamarainen	IEEE International Conference on Intelligent Robots and Systems	2021	sousarbarb	18 May 2022 20:52:52	Rejected
□		Martian Fetch: Finding and retrieving sample-tubes on the surface of mars	J. Papon and R. Detry and P. Vieira and S. Brooks and T. Srinivasan and A. Peterson and E. Kulczycki	IEEE Aerospace Conference Proceedings	2017	sousarbarb	18 May 2022 20:52:52	Rejected
□		Condition-invariant robot localization using global sequence alignment of deep features	J. Oh and C. Han and S. Lee	Sensors	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□		A fast and robust place recognition approach for stereo visual odometry using LiDAR descriptors	J. Mo and J. Sattar	IEEE International Conference on Intelligent Robots and Systems	2020	sousarbarb	18 May 2022 20:52:52	Rejected
□		Self Localization Based on Neighborhood Probability Mapping for Humanoid Robot	M. Jiono and Y. D. Mahandi and S. N. Mustika and S. Sendari and A. M. Dzikri	4th International Conference on Vocational Education and Training, ICOVET 2020	2020	sousarbarb	18 May 2022 20:52:52	Rejected
□		Distributed stereo vision-based 6D localization and mapping for multi-robot teams	M. J. Schuster and K. Schmid and C. Brand and M. Beetz	Journal of Field Robotics	2019	sousarbarb	18 May 2022 20:52:52	Accepted
□		Checkout my map: Version control for fleetwide visual localisation	M. Gadd and P. Newman	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:52	Accepted
□		Erasing bad memories: Agent-side summarization for long-term mapping	M. Dymczyk and T. Schneider and I. Gilitschenski and R. Siegwart and E. Stumm	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:52	Accepted
□		Autonomous navigation: Achievements in complex environments	M. E. Adams	2006 IEEE International Conference on Robotics and Biomimetics, ROBIO 2006	2006	sousarbarb	18 May 2022 20:52:52	Rejected
□		Will it last? Learning stable features for long-term visual localization	M. Dymczyk and E. Stumm and J. Nieto and R. Siegwart and I. Gilitschenski	Proceedings - 2016 4th International Conference on 3D Vision, 3DV 2016	2016	sousarbarb	18 May 2022 20:52:52	Accepted

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		3D global mapping of large-scale unstructured orchard integrating eye-in-hand stereo vision and SLAM		M. Chen and Y. Tang and X. Zou and Z. Huang and H. Zhou and S. Chen		Computers and Electronics in Agriculture		2021		sousarbarb		18 May 2022 20:52:52		Rejected	
		PHALANX: Expendable projectile sensor networks for planetary exploration		M. Dille and D. Nucht and S. Gupta and S. McCabe and N. Verzic and T. Fong and U. Wong		IEEE Aerospace Conference Proceedings		2020		sousarbarb		18 May 2022 20:52:52		Rejected	
		Appearance-based landmark selection for efficient long-term visual localization		M. Bürki and I. Gilitschenski and E. Stumm and R. Siegwart and J. Nieto		IEEE International Conference on Intelligent Robots and Systems		2016		sousarbarb		18 May 2022 20:52:52		Accepted	
		Robust SLAM Systems: Are We There Yet		M. Bujanca and X. Shi and M. Spear and P. Zhao and B. Lennox and M. Lujan		IEEE International Conference on Intelligent Robots and Systems		2021		sousarbarb		18 May 2022 20:52:52		Rejected	
		Appearance-based landmark selection for visual localization		M. Bürki and C. Cadena and I. Gilitschenski and R. Siegwart and J. Nieto		Journal of Field Robotics		2019		sousarbarb		18 May 2022 20:52:52		Accepted	
		Active airborne localisation and exploration in unknown environments using inertial SLAM		M. Bryson and S. Sukkarieh		IEEE Aerospace Conference Proceedings		2006		sousarbarb		18 May 2022 20:52:52		Accepted	
		FootSLAM: Pedestrian simultaneous localization and mapping without exteroceptive sensor hitchhiking on human perception and cognition		M. Angermann and P. Robertson		Proceedings of the IEEE		2012		sousarbarb		18 May 2022 20:52:52		Rejected	
		Deep Supervised Hashing with Similar Hierarchy for Place Recognition		L. Wu and Y. Wu		IEEE International Conference on Intelligent Robots and Systems		2019		sousarbarb		18 May 2022 20:52:52		Accepted	
		Explicit feature disentanglement for visual place recognition across appearance changes		L. Tang and Y. Wang and Q. Tan and R. Xiong		International Journal of Advanced Robotic Systems		2021		sousarbarb		18 May 2022 20:52:52		Accepted	
		Long-term localization with time series map prediction for mobile robots in dynamic environments		L. Wang and W. Chen and J. Wang		IEEE International Conference on Intelligent Robots and Systems		2020		sousarbarb		18 May 2022 20:52:52		Accepted	
		Topological local-metric framework for mobile robots navigation: a long term perspective		L. Tang and Y. Wang and X. Ding and H. Yin and R. Xiong and S. Huang		Autonomous Robots		2019		sousarbarb		18 May 2022 20:52:52		Accepted	
		Robust and Long-term Monocular Teach and Repeat Navigation using a Single-experience Map		L. Sun and M. Taher and C. Wild and C. Zhao and Y. Zhang and F. Majer and Z. Yan and T. Krajnik and T. Prescott and T. Duckett		IEEE International Conference on Intelligent Robots and Systems		2021		sousarbarb		18 May 2022 20:52:52		Accepted	
		Globally optimal fetoscopic mosaicking based on pose graph optimisation with affine constraints		L. Li and S. Bano and J. Deprest and A. David and D. Stoyanov and F. Vasconcelos		IEEE Robotics and Automation Letters		2021		sousarbarb		18 May 2022 20:52:52		Accepted	
		A robust RGB-D image-based SLAM system		L. Pan and J. Cheng and W. Feng and X. Ji		Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		2017		sousarbarb		18 May 2022 20:52:52		Accepted	
		Highly Robust Visual Place Recognition Through Spatial Matching of CNN Features		L. G. Camara and C. Gabert and L. Preucil		Proceedings - IEEE International Conference on Robotics and Automation		2020		sousarbarb		18 May 2022 20:52:52		Accepted	
		Appearance-Based Loop Closure Detection via Locality-Driven Accurate Motion Field Learning		K. Zhang and X. Jiang and J. Ma		IEEE Transactions on Intelligent Transportation Systems		2022		sousarbarb		18 May 2022 20:52:52		Accepted	
		Learning Matchable Image Transformations for Long-Term Metric Visual Localization		L. Clement and M. Gridseth and J. Tomasi and J. Kelly		IEEE Robotics and Automation Letters		2020		sousarbarb		18 May 2022 20:52:52		Accepted	
		Seamless navigation and mapping using an INS/GNSS/grid-based SLAM semi-tightly coupled integration scheme		K. W. Chiang and G. J. Tsai and H. W. Chang and C. Joly and N. El-Sheimy		Information Fusion		2019		sousarbarb		18 May 2022 20:52:52		Accepted	

<input type="checkbox"/> Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□	Air-SSLAM: A Visual Stereo Indoor SLAM for Aerial Quadrotors	P. Araujo and R. Miranda and D. Carmo and R. Alves and L. Oliveira	IEEE Geoscience and Remote Sensing Letters	2017	sousarbarb	18 May 2022 20:52:53	Accepted
□	Learning Place-and-Time-Dependent Binary Descriptors for Long-Term Visual Localization	N. Zhang and M. Warren and T. D. Barfoot	Proceedings - IEEE International Conference on Robotics and Automation	2018	sousarbarb	18 May 2022 20:52:53	Accepted
□	Man made disruptions of the carbon dioxide and oxygen concentration in the atmosphere and the role of plants	P. A. Gerakis	Journal of Environmental Quality	1974	sousarbarb	18 May 2022 20:52:53	Rejected
□	Monitoring the resilience of a no-take marine reserve to a range extending species using benthic imagery	N. R. Perkins and G. R. Hosack and S. D. Foster and J. Monk and N. S. Barrett	PLoS ONE	2020	sousarbarb	18 May 2022 20:52:53	Rejected
□	A metric approach for environments mapping	N. Slimane and M. S. Khireddine and K. Chafaa	2013 International Conference on Control, Decision and Information Technologies, CoDIT 2013	2013	sousarbarb	18 May 2022 20:52:53	Accepted
□	Switchable constraints vs. max-mixture models vs. RRR - A comparison of three approaches to robust pose graph SLAM	N. Sunderhauf and P. Protzel	Proceedings - IEEE International Conference on Robotics and Automation	2013	sousarbarb	18 May 2022 20:52:53	Rejected
□	Weighted triplet loss based on deep neural networks for loop closure detection in VSLAM	N. Dong and M. Qin and J. Chang and C. H. Wu and W. H. Ip and K. L. Yung	Computer Communications	2022	sousarbarb	18 May 2022 20:52:53	Accepted
□	Improving Image Description with Auxiliary Modality for Visual Localization in Challenging Conditions	N. Piasco and D. Sidibé and V. Gouet-Brunet and C. Demonceaux	International Journal of Computer Vision	2021	sousarbarb	18 May 2022 20:52:53	Accepted
□	Robust long-term registration of UAV images of crop fields for precision agriculture	N. Chebrolu and T. Labe and C. Stachniss	IEEE Robotics and Automation Letters	2018	sousarbarb	18 May 2022 20:52:53	Accepted
□	Generic node removal for factor-graph SLAM	N. Carlevaris-Bianco and M. Kaess and R. M. Eustice	IEEE Transactions on Robotics	2014	sousarbarb	18 May 2022 20:52:53	Accepted
□	Preventing and correcting mistakes in lifelong mapping	N. Banerjee and D. Lisin and V. Albanese and Z. Zhu and S. R. Lenser and J. Shriver and T. Ramaswamy and J. Briggs and P. Fong	2021 10th European Conference on Mobile Robots, ECMR 2021 - Proceedings	2021	sousarbarb	18 May 2022 20:52:53	Accepted
□	SDF-Loc: Signed distance Field based 2D relocalization and map update in dynamic environments	M. Zhang and Y. Chen and M. Li	Proceedings of the American Control Conference	2019	sousarbarb	18 May 2022 20:52:53	Accepted
□	Evidential SLAM Fusing 2D Laser Scanner and Stereo Camera	M. Valente and C. Joly and A. D. L. Fortelle	Unmanned Systems	2019	sousarbarb	18 May 2022 20:52:52	Rejected
□	Development of autonomous wheelchair for indoor and outdoor traveling	M. Yokozuka and N. Hashimoto and K. Tomita and O. Matsumoto	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNCSST	2015	sousarbarb	18 May 2022 20:52:53	Accepted
□	Efficient Multi-Drive Map Optimization towards Life-long Localization using Surround View	M. Sons and C. Stiller	IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC	2018	sousarbarb	18 May 2022 20:52:52	Accepted
□	Efficient Long-term Mapping in Dynamic Environments	M. T. Lázaro and R. Capobianco and G. Grisetti	IEEE International Conference on Intelligent Robots and Systems	2018	sousarbarb	18 May 2022 20:52:52	Accepted
□	A reduced camera SLAM approach for indoor and outdoor navigation using laser information for landmark initialization and relative motion information	M. Popp and J. Atman and G. Scholz and J. Ruppelt and G. F. Trommer	Institute of Navigation International Technical Meeting 2016, ITM 2016	2016	sousarbarb	18 May 2022 20:52:52	Rejected
□	R-LOAM: Improving LiDAR Odometry and Mapping with Point-to-Mesh Features of a Known 3D Reference Object	M. Oelsch and M. Karimi and E. Steinbach	IEEE Robotics and Automation Letters	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	Environment selection and hierarchical place recognition	M. Mohan and D. Galvez-Lopez and C. Monteleoni and G. Sibley	Proceedings - IEEE International Conference on Robotics and Automation	2015	sousarbarb	18 May 2022 20:52:52	Accepted

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	Featureless visual processing for SLAM in changing outdoor environments	M. Milford and A. George	Springer Tracts in Advanced Robotics	2014	sousarbarb	18 May 2022 20:52:52	[Accepted]
	RTAB-Map as an open-source lidar and visual simultaneous localization and mapping library for large-scale and long-term online operation	M. Labb�� and F. Michaud	Journal of Field Robotics	2019	sousarbarb	18 May 2022 20:52:52	[Accepted]
	Long-term online multi-session graph-based SPLAM with memory management	M. Labb�� and F. Michaud	Autonomous Robots	2018	sousarbarb	18 May 2022 20:52:52	[Accepted]
	Obstacle persistent adaptive map maintenance for autonomous mobile robots using spatio-temporal reasoning	M. L. Pitschl and M. W. Pryor	IEEE International Conference on Automation Science and Engineering	2019	sousarbarb	18 May 2022 20:52:52	[Accepted]
	Appearance-based loop closure detection for online large-scale and long-term operation	M. Labbe and F. Michaud	IEEE Transactions on Robotics	2013	sousarbarb	18 May 2022 20:52:52	[Accepted]
	MP3: A unified model to map, perceive, predict and plan	S. Casas and A. Sadat and R. Urtasun	Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition	2021	sousarbarb	18 May 2022 20:52:53	[Accepted]
	Design of an unmanned underwater vehicle for reef surveying	S. B. Williams and I. Mahon	IFAC Proceedings Volumes (IFAC-PapersOnline)	2004	sousarbarb	18 May 2022 20:52:53	[Accepted]
	A framework for RF-Visual SLAM	S. Anwar and Q. Zhao and N. Qadeer and S. I. Khan	Proceedings of 2013 10th International Bhurban Conference on Applied Sciences and Technology, IBCAST 2013	2013	sousarbarb	18 May 2022 20:52:53	[Accepted]
	A B-Spline Mapping Framework for Long-Term Autonomous Operations	R. T. Rodrigues and A. P. Aguiar and A. Pascoal	IEEE International Conference on Intelligent Robots and Systems	2018	sousarbarb	18 May 2022 20:52:53	[Accepted]
	Pole-based localization for autonomous vehicles in urban scenarios	R. Spangenberg and D. Goehring and R. Rojas	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:53	[Accepted]
	Long-term place recognition using multi-level words of spatial densities	R. Maffei and V. A. M. Jorge and V. F. Rey and M. Kolberg and E. Prestes	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:53	[Accepted]
	Long-term human affordance maps	R. Limosani and L. Y. Morales and J. Even and F. Ferreri and A. Watanabe and F. Cavallo and P. Dario and N. Hagita	IEEE International Conference on Intelligent Robots and Systems	2015	sousarbarb	18 May 2022 20:52:53	[Rejected]
	Navigates: A benchmark for indoor navigation	R. M. Knotts and I. R. Nourbakhsh and R. C. Morris	Robotics 1998	1998	sousarbarb	18 May 2022 20:52:53	[Rejected]
	Relocalization with Submaps: Multi-Session Mapping for Planetary Rovers Equipped with Stereo Cameras	R. Giubilato and M. Vayugundla and M. J. Schuster and W. Sturzl and A. Wedler and R. Triebel and S. Debei	IEEE Robotics and Automation Letters	2020	sousarbarb	18 May 2022 20:52:53	[Accepted]
	Deep Samplable Observation Model for Global Localization and Kidnapping	R. Chen and H. Yin and Y. Jiao and G. Dissanayake and Y. Wang and R. Xiong	IEEE Robotics and Automation Letters	2021	sousarbarb	18 May 2022 20:52:53	[Accepted]
	OpenABLE: An open-source toolbox for application in life-long visual localization of autonomous vehicles	R. Arroyo and P. F. Alcantarilla and L. M. Bergasa and E. Romera	IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC	2016	sousarbarb	18 May 2022 20:52:53	[Accepted]
	A Novel Global Relocalization Method Based on Hierarchical Registration of 3D Point Cloud Map for Mobile Robot	Q. Tian and Y. Gao and G. Li and J. Song	2019 5th International Conference on Control, Automation and Robotics, ICCAR 2019	2019	sousarbarb	18 May 2022 20:52:53	[Accepted]
	Towards life-long visual localization using an efficient matching of binary sequences from images	R. Arroyo and P. F. Alcantarilla and L. M. Bergasa and E. Romera	Proceedings - IEEE International Conference on Robotics and Automation	2015	sousarbarb	18 May 2022 20:52:53	[Accepted]
	Loop-Closure Detection with a Multiresolution Point Cloud Histogram Mode in Lidar Odometry and Mapping for Intelligent Vehicles	Q. Meng and H. Guo and X. Zhao and D. Cao and H. Chen	IEEE/ASME Transactions on Mechatronics	2021	sousarbarb	18 May 2022 20:52:53	[Accepted]

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		Stabilize an Unsupervised Feature Learning for LiDAR-based Place Recognition	P. Yin and L. Xu and Z. Liu and L. Li and H. Salman and Y. He and W. Xu and H. Wang and H. Choset	IEEE International Conference on Intelligent Robots and Systems	2018	sousarbarb	18 May 2022 20:52:53	Accepted
		FusionVLAD: A Multi-View Deep Fusion Networks for Viewpoint-Free 3D Place Recognition	P. Yin and L. Xu and J. Zhang and H. Choset	IEEE Robotics and Automation Letters	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		On the Redundancy Detection in Keyframe-Based SLAM	P. Schmuck and M. Chli	Proceedings - 2019 International Conference on 3D Vision, 3DV 2019	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Long-term Mapping Techniques for Ship Hull Inspection and Surveillance using an Autonomous Underwater Vehicle	P. Ozog and N. Carlevaris-Bianco and A. Kim and R. M. Eustice	Journal of Field Robotics	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		Automating answers to "where am i?"	P. Newman	IET Seminar Digest	2005	sousarbarb	18 May 2022 20:52:53	Rejected
		Long-term Place Recognition through Worst-case Graph Matching to Integrate Landmark Appearances and Spatial Relationships	P. Gao and H. Zhang	Proceedings - IEEE International Conference on Robotics and Automation	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		PoseMap: Lifelong, Multi-Environment 3D LiDAR Localization	P. Egger and P. V. K. Borges and G. Catt and A. Pfunder and R. Siegwart and R. Dube	IEEE International Conference on Intelligent Robots and Systems	2018	sousarbarb	18 May 2022 20:52:53	Accepted
		AVP-SLAM: Semantic visual mapping and localization for autonomous vehicles in the parking lot	T. Qin and T. Chen and Y. Chen and Q. Su	IEEE International Conference on Intelligent Robots and Systems	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		Real-time dense map fusion for stereo SLAM	T. Pire and R. Baravalle and A. D'alessandro and J. Civera	Robotica	2018	sousarbarb	18 May 2022 20:52:53	Accepted
		Texture-aware SLAM using stereo imagery and inertial information	T. Manderson and F. Shkurti and G. Dudek	Proceedings - 2016 13th Conference on Computer and Robot Vision, CRV 2016	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		Vision-based Markov localization across large perceptual changes	T. Naseer and B. Suger and M. Ruhnke and W. Burgard	2015 European Conference on Mobile Robots, ECMR 2015 - Proceedings	2015	sousarbarb	18 May 2022 20:52:53	Accepted
		AUV Bathymetric Simultaneous Localisation and Mapping Using Graph Method	T. Ma and Y. Li and Y. Gong and R. Wang and M. Sheng and Q. Zhang	Journal of Navigation	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Persistent localization and life-long mapping in changing environments using the frequency map enhancement	T. Krajník and J. P. Fentanes and M. Hanheide and T. Duckett	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		Range-Focused Fusion of Camera-IMU-UWB for Accurate and Drift-Reduced Localization	T. H. Nguyen and T.-M. Nguyen and L. Xie	IEEE Robotics and Automation Letters	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		A Reverse Bearings only Target Motion Analysis for Autonomous Underwater Vehicle Navigation	T. Alexandri and R. Diamant	IEEE Transactions on Mobile Computing	2019	sousarbarb	18 May 2022 20:52:53	Rejected
		Lifelong Localization in Semi-Dynamic Environment	S. Zhu and X. Zhang and S. Guo and J. Li and H. Liu	Proceedings - IEEE International Conference on Robotics and Automation	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		Localizing backscatters by a single robot with zero start-up cost	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	2019 IEEE Global Communications Conference, GLOBECOM 2019 - Proceedings	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Concurrent filtering and smoothing: A parallel architecture for real-time navigation and full smoothing	S. Williams and V. Indelman and M. Kaess and R. Roberts and J. J. Leonard and F. Dellaert	International Journal of Robotics Research	2014	sousarbarb	18 May 2022 20:52:53	Accepted

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□		A lightweight localization strategy for lidar-guided autonomous robots with artificial landmarks	S. Wang and X. Chen and G. Ding and Y. Li and W. Xu and Q. Zhao and Y. Gong and Q. Song	Sensors	2021	sousarbarb	18 May 2022 20:52:53	Accepted
□		Quantitative evaluation of treatment related changes on multi-parametric MRI after laser interstitial thermal therapy of prostate cancer	S. Viswanath and R. Toth and M. Rusu and D. Sperling and H. Lepor and J. Futterer and A. Madabhushi	Proceedings of SPIE - The International Society for Optical Engineering	2013	sousarbarb	18 May 2022 20:52:53	Rejected
□		FLAME: Feature-Likelihood Based Mapping and Localization for Autonomous Vehicles	S. Pang and D. Kent and D. Morris and H. Radha	IEEE International Conference on Intelligent Robots and Systems	2019	sousarbarb	18 May 2022 20:52:53	Accepted
□		Omnidirectional multisensory perception fusion for long-term place recognition	S. Siva and H. Zhang	Proceedings - IEEE International Conference on Robotics and Automation	2018	sousarbarb	18 May 2022 20:52:53	Accepted
□		Curating long-term vector maps	S. Nashed and J. Biswas	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:53	Accepted
□		Long-term exploration & Tours for energy constrained robots with online proprioceptive Traversability estimation	S. Martin and P. Corke	Proceedings - IEEE International Conference on Robotics and Automation	2014	sousarbarb	18 May 2022 20:52:53	Rejected
□		Nonlinear Model Predictive Path-Following Controller for a Small-Scale Autonomous Bulldozer for Accurate Placement of Materials and Debris of Masonry in Construction Contexts	S. Khan and J. Guivant	IEEE Access	2021	sousarbarb	18 May 2022 20:52:53	Rejected
□		Map-aided indoor navigation	S. Kaiser and M. Khider and M. G. Puyol and L. Bruno and P. Robertson	Indoor Wayfinding and Navigation	2015	sousarbarb	18 May 2022 20:52:53	Rejected
□		Visual slam-based robotic mapping method for planetary construction	S. Hong and A. Bangunharcana and J.-M. Park and M. Choi and H.-S. Shin	Sensors	2021	sousarbarb	18 May 2022 20:52:53	Accepted
□		6 DoF SLAM using a ToF camera: The challenge of a continuously growing number of landmarks	S. Hochdorfer and C. Schlegel	IEEE/RSJ 2010 International Conference on Intelligent Robots and Systems, IROS 2010 - Conference Proceedings	2010	sousarbarb	18 May 2022 20:52:53	Accepted
□		Landmark rating and selection according to localization coverage: Addressing the challenge of lifelong operation of SLAM in service robots	S. Hochdorfer and C. Schlegel	2009 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS 2009	2009	sousarbarb	18 May 2022 20:52:53	Accepted
□		An Optimization Technique for Positioning Multiple Maps for Self-Driving Car's Autonomous Navigation	S. Dominguez and B. Khomutenko and G. Garcia and P. Martinet	IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC	2015	sousarbarb	18 May 2022 20:52:53	Accepted
□		Bio-inspired Relocalization for Indoor Robots in Visual Ambiguous Scenarios	Y. Long and R. Jiang and F. Ye	2022 2nd International Conference on Consumer Electronics and Computer Engineering, ICCECE 2022	2022	sousarbarb	18 May 2022 20:52:53	Accepted
□		Vision-Aided Multi-UAV Autonomous Flocking in GPS-Denied Environment	Y. Tang and Y. Hu and J. Cui and F. Liao and M. Lao and F. Lin and R. S. H. Teo	IEEE Transactions on Industrial Electronics	2019	sousarbarb	18 May 2022 20:52:53	Accepted
□		Sparse optimization for robust and efficient loop closing	Y. Latif and G. Huang and J. Leonard and J. Neira	Robotics and Autonomous Systems	2017	sousarbarb	18 May 2022 20:52:53	Accepted
□		Robust loop closing over time for pose graph SLAM	Y. Latif and C. Cadena and J. Neira	International Journal of Robotics Research	2013	sousarbarb	18 May 2022 20:52:53	Accepted
□		2-Entity Random Sample Consensus for Robust Visual Localization: Framework, Methods, and Verifications	Y. Jiao and Y. Wang and X. Ding and B. Fu and S. Huang and R. Xiong	IEEE Transactions on Industrial Electronics	2021	sousarbarb	18 May 2022 20:52:53	Rejected
□		Simultaneous Positioning and Map Construction of Mobile Robots Based on the Cartographer Algorithm	Y. Guihua and L. Zhiyi and T. Weiwei	ACM International Conference Proceeding Series	2019	sousarbarb	18 May 2022 20:52:53	Accepted
□		Map management for robust long-term visual localization of an autonomous shuttle in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and M. Dhorne	Multimedia Tools and Applications	2022	sousarbarb	18 May 2022 20:52:53	Accepted

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		Keyframes retrieval for robust long-term visual localization in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and M. Dhome	SAMI 2021 - IEEE 19th World Symposium on Applied Machine Intelligence and Informatics, Proceedings	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		Over two years of challenging environmental conditions for localization: The IPLT dataset	Y. Bouaziz and E. Royer and G. Bresson and M. Dhome	Proceedings of the 18th International Conference on Informatics in Control, Automation and Robotics, ICINCO 2021	2021	sousarbarb	18 May 2022 20:52:53	Rejected
		DiSCO: Differentiable Scan Context with Orientation	X. Xu and H. Yin and Z. Chen and Y. Li and Y. Wang and R. Xiong	IEEE Robotics and Automation Letters	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		AEKF-SLAM: A new algorithm for robotic underwater navigation	X. Yuan and J.-F. Martínez-Ortega and J. A. S. Fernández and M. Eckert	Sensors (Switzerland)	2017	sousarbarb	18 May 2022 20:52:53	Accepted
		Are We Ready for Service Robots? the OpenLORIS-Scene Datasets for Lifelong SLAM	X. Shi and D. Li and P. Zhao and Q. Tian and Y. Tian and Q. Long and C. Zhu and J. Song and F. Qiao and L. Song and Y. Guo and Z. Wang and Y. Zhang and B. Qin and W. Yang and F. Wang and R. H. M. Chan and Q. She	Proceedings - IEEE International Conference on Robotics and Automation	2020	sousarbarb	18 May 2022 20:52:53	Rejected
		Long-term Localization of Mobile Robots in Dynamic Changing Environments	X. Hu and J. Wang and W. Chen	Proceedings 2018 Chinese Automation Congress, CAC 2018	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Communication constrained cloud-based long-term visual localization in real time	X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong	IEEE International Conference on Intelligent Robots and Systems	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Laser Map Aided Visual Inertial Localization in Changing Environment	X. Ding and Y. Wang and D. Li and L. Tang and H. Yin and R. Xiong	IEEE International Conference on Intelligent Robots and Systems	2018	sousarbarb	18 May 2022 20:52:53	Rejected
		Robust relocalization based on active loop closure for real-time monocular SLAM	X. Chen and H. Lu and J. Xiao and H. Zhang and P. Wang	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017	sousarbarb	18 May 2022 20:52:53	Accepted
		Towards persistent localization and mapping with a continuous appearance-based topology	W. Maddern and M. Milford and G. Wyeth	Robotics: Science and Systems	2013	sousarbarb	18 May 2022 20:52:53	Accepted
		Voxgraph: Globally Consistent, Volumetric Mapping Using Signed Distance Function Submaps	V. Reijgwart and A. Millane and H. Oleynikova and R. Siegwart and C. Cadena and J. Nieto	IEEE Robotics and Automation Letters	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		SLAM++1-A highly efficient and temporally scalable incremental SLAM framework	V. Ila and L. Polok and M. Solony and P. Svoboda	International Journal of Robotics Research	2017	sousarbarb	18 May 2022 20:52:53	Accepted
		Multi-Domain Airflow Modeling and Ventilation Characterization Using Mobile Robots, Stationary Sensors and Machine Learning	V. H. Bennetts and K. Kamarudin and T. Wiedemann and T. P. Kucner and S. L. Somisetty and A. J. Lilienthal	Sensors (Basel, Switzerland)	2019	sousarbarb	18 May 2022 20:52:53	Rejected
		Bathymetric factor graph SLAM with sparse point cloud alignment	V. Bichucher and J. M. Walls and P. Ozog and K. A. Skinner and R. M. Eustice	OCEANS 2015 - MTS/IEEE Washington	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		A spatio-temporal Long-term Memory approach for visual place recognition in mobile robotic navigation	V. A. Nguyen and J. A. Starzyk and W.-B. Goh	Robotics and Autonomous Systems	2013	sousarbarb	18 May 2022 20:52:53	Accepted
		A brain-inspired compact cognitive mapping system	T. Zeng and B. Si	Cognitive Neurodynamics	2021	sousarbarb	18 May 2022 20:52:53	Accepted

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		3D LiDAR-Based Global Localization Using Siamese Neural Network	H. Yin and Y. Wang and X. Ding and L. Tang and S. Huang and R. Xiong	IEEE Transactions on Intelligent Transportation Systems	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
		2-Entity Random Sample Consensus for Robust Visual Localization: Framework, Methods, and Verifications	Y. Jiao and Y. Wang and X. Ding and B. Fu and S. Huang and R. Xiong	IEEE Transactions on Industrial Electronics	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
		2-entity random sample consensus for robust visual localization: framework, methods, and verifications	Y. Jiao and Y. Wang and X. Ding and B. Fu and S. Huang and R. Xiong	IEEE Transactions on Industrial Electronics	2021	sousarbarb	17 May 2022 16:40:02	Duplicated
		2-Entity Random Sample Consensus for Robust Visual Localization: Framework, Methods, and Verifications	Y. Jiao and Y. Wang and X. Ding and B. Fu and S. Huang and R. Xiong	IEEE Transactions on Industrial Electronics	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
		1-Day Learning, 1-Year Localization: Long-Term LiDAR Localization Using Scan Context Image	G. Kim and B. Park and A. Kim	IEEE ROBOTICS AND AUTOMATION LETTERS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
		2-Entity Random Sample Consensus for Robust Visual Localization: Framework, Methods, and Verifications	Y. Jiao and Y. Wang and X. Ding and B. Fu and H. Shoudong and R. Xiong	IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
		1-Day Learning, 1-Year Localization: Long-Term LiDAR Localization Using Scan Context Image	G. Kim and B. Park and A. Kim	IEEE Robotics and Automation Letters	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
		1-Day Learning, 1-Year Localization: Long-Term LiDAR Localization Using Scan Context Image	G. Kim and B. Park and A. Kim	IEEE Robotics and Automation Letters	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
		1 year, 1000 km: the Oxford RobotCar dataset	W. Maddern and G. Pascoe and C. Linegar and P. Newman	International Journal of Robotics Research	2017	sousarbarb	17 May 2022 16:40:02	Duplicated
		1 year, 1000 km: The Oxford RobotCar dataset	W. Maddern and G. Pascoe and C. Linegar and P. Newman	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
		1 year, 1000 km: The Oxford RobotCar dataset	W. Maddern and G. Pascoe and C. Linegar and P. Newman	The International Journal of Robotics Research	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
		I am Not Afraid of the GPS Jammer: Resilient Navigation via Signals of Opportunity in GPS-Denied Environments	Z. Z. Kassas and J. Khalife and A. Abdallah and C. Lee	IEEE Aerospace and Electronic Systems Magazine	2022	sousarbarb	18 May 2022 20:52:53	Accepted
		A real-time visual-inertial mapping and localization method by fusing unstable GPS	Z. Zhang and H. Wang and W. Chen	Proceedings of the World Congress on Intelligent Control and Automation (WCICA)	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Pole-like Objects Mapping and Long-Term Robot Localization in Dynamic Urban Scenarios	Z. Wang and S. Li and M. Cao and H. Chen and Y. Liu	2021 IEEE International Conference on Robotics and Biomimetics, ROBIO 2021	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		Augmenting visual SLAM with Wi-Fi sensing for indoor applications	Z. S. Hashemifar and C. Adhivarahan and A. Balakrishnan and K. Dantu	Autonomous Robots	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Map-less long-term localization in complex industrial environments	Z. Liu and Z. Qiao and C. Suo and Y. Liu and K. Jin	Assembly Automation	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		I am not afraid of the jammer: Navigating with signals of opportunity in GPS-denied environments	Z. M. Kassas and J. Khalife and A. Abdallah and C. Lee	Proceedings of the 33rd International Technical Meeting of the Satellite Division of the Institute of Navigation, ION GNSS+ 2020	2020	sousarbarb	18 May 2022 20:52:53	Rejected
		Learning Context Flexible Attention Model for Long-Term Visual Place Recognition	Z. Chen and L. Liu and I. Sa and Z. Ge and M. Chli	IEEE Robotics and Automation Letters	2018	sousarbarb	18 May 2022 20:52:53	Accepted
		Real-Time, Environmentally-Robust 3D LiDAR Localization	Y. Zhu and B. Xue and L. Zheng and H. Huang and M. Liu and R. Fan	IST 2019 - IEEE International Conference on Imaging Systems and Techniques, Proceedings	2019	sousarbarb	18 May 2022 20:52:53	Accepted

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□		Place recognition in semi-dense maps: Geometric and learning-based approaches	Y. Ye and T. Cieslewski and A. Loquercio and D. Scaramuzza	British Machine Vision Conference 2017, BMVC 2017	2017	sousarbarb	18 May 2022 20:52:53	Accepted
□		New Trend in Front-End Techniques of Visual SLAM: From Hand-Engineered Features to Deep-Learned Features	Y. Wang and Y. Fu and R. Zheng and L. Wang and J. Qi	Lecture Notes in Electrical Engineering	2022	sousarbarb	18 May 2022 20:52:53	Rejected
□		AVP-SLAM: Semantic Visual Mapping and Localization for Autonomous Vehicles in the Parking Lot	T. Qin and T. Chen and Y. Chen and Q. Su	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
□		AUV Bathymetric Simultaneous Localisation and Mapping Using Graph Method	T. Ma and Y. Li and Y. Gong and R. Wang and M. Sheng and Q. Zhang	Journal of Navigation	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
□		AEKF-SLAM: a new algorithm for robotic underwater navigation	X. Yuan and J.-F. Martinez-Ortega and J. A. S. Fernandez and M. Eckert	Sensors	2017	sousarbarb	17 May 2022 16:40:02	Duplicated
□		AUV robust bathymetric simultaneous localization and mapping	T. Ma and Y. Li and R. Wang and Z. Cong and Y. Gong	Ocean Engineering	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
□		AUV Bathymetric Simultaneous Localisation and Mapping Using Graph Method	T. Ma and Y. Li and Y. Gong and R. Wang and Q. M. A. Z. Sheng	JOURNAL OF NAVIGATION	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A speeded-up online incremental vision-based loop-closure detection for long-term SLAM	A. Kawewong and N. Tongprasit and O. Hasegawa	Advanced Robotics	2013	sousarbarb	17 May 2022 16:40:00	Duplicated
□		AEKF-SLAM: A New Algorithm for Robotic Underwater Navigation	X. Yuan and J.-F. Martínez-Ortega and J. A. S. Fernández and M. Eckert	Sensors	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
□		A speeded-up online incremental vision-based loop-closure detection for long-term SLAM	A. Kawewong and N. Tongprasit and O. Hasegawa	ADVANCED ROBOTICS	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A spatio-temporal Long-term Memory approach for visual place recognition in mobile robotic navigation	V. A. Nguyen and J. A. Starzyk and W.-B. Goh	ROBOTICS AND AUTONOMOUS SYSTEMS	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A real-time visual-inertial mapping and localization method by fusing unstable GPS	Z. Zhang and H. Wang and W. Chen	2018 13th World Congress on Intelligent Control and Automation (WCICA). Proceedings	2018	sousarbarb	17 May 2022 16:40:02	Duplicated
□		A pose graph-based localization system for long-term navigation in CAD floor plans	F. Boniardi and T. Caselitz and R. Kämmerle and W. Burgard	Robotics and Autonomous Systems	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
□		A metric approach for environments mapping	N. Slimane and M. S. Khireddine and K. Chafaa	2013 International Conference on Control, Decision and Information Technologies (CoDIT)	2013	sousarbarb	17 May 2022 16:40:01	Duplicated
□		A metric approach for Environments mapping	N. SLIMANE and M. S. KHIREDDINE and K. CHAFAA	None	2013	sousarbarb	17 May 2022 15:59:20	Duplicated
□		A metric approach for Environments mapping	N. Slimane and M. S. Khireddine and C. Kheireddine	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
□		A continuously learning feature-based map using a bernoulli filtering approach	M. Stubler and S. Reuter and K. Dietmayer	2017 Sensor Data Fusion: Trends, Solutions, Applications (SDF)	2017	sousarbarb	17 May 2022 16:40:01	Duplicated
□		3D Dynamic Scene Graphs: Actionable Spatial Perception with Places, Objects, and Humans	A. Rosinol and A. Gupta and M. Abate and L. J. A. C. Shi		2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□		An Everyday Robotic System that Maintains Local Rules using Semantic Map based on Long-term Episodic Memory	Y. Furuta and K. Okada and Y. Kakiuchi and M. Inaba	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated

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□	An EKF-Based Fusion of Visual-Inertial Odometry and GPS for Global Robot Pose Estimation	N. H. K. Tran and V.-H. Nguyen	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
□	An Adaptive Gaussian Particle Filter Based Simultaneous Localization and Mapping with Dynamic Process Model Noise Bias Compensation	A. Rao and W. Han	None	2015	sousarbarb	17 May 2022 15:59:19	Duplicated
□	An Adaptive Gaussian Particle Filter based Simultaneous Localization and Mapping with Dynamic Process Model Noise Bias Compensation	A. Rao and W. Han	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
□	An Adaptive Gaussian Particle Filter based Simultaneous Localization and Mapping with dynamic process model noise bias compensation	A. Rao and W. Han	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
□	An Adaptive Gaussian Particle Filter based Simultaneous Localization and Mapping with dynamic process model noise bias compensation	A. Rao and W. Han	2015 IEEE 7th International Conference on Cybernetics and Intelligent Systems (CIS) and IEEE Conference on Robotics, Automation and Mechatronics (RAM). Proceedings	2015	sousarbarb	17 May 2022 16:40:00	Duplicated
□	An adaptive appearance-based map for long-term topological localization of mobile robots	F. Dayoub and T. Duckett	None	2008	sousarbarb	17 May 2022 15:25:56	Duplicated
□	An Adaptive Appearance-based Map for Long-Term Topological Localization of Mobile Robots	F. Dayoub and T. Duckett	None	2008	sousarbarb	18 May 2022 17:01:46	Duplicated
□	An adaptive appearance-based map for long-term topological localization of mobile robots	F. Dayoub and T. Duckett	2008 IEEE/RSJ International Conference on Intelligent Robots and Systems	2008	sousarbarb	17 May 2022 16:40:00	Duplicated
□	Air-SSLAM: a visual stereo indoor SLAM for aerial quadrotors	P. Araujo and R. Miranda and D. Carmo and R. Alves and L. Oliveira	IEEE Geoscience and Remote Sensing Letters	Sept.2017	sousarbarb	17 May 2022 16:40:01	Duplicated
□	Active Vision for Door Localization and Door Opening using Playbot: A Computer Controlled Wheelchair for People with Mobility Impairments	A. Andreopoulos and J. K. Tsotsos	None	2008	sousarbarb	17 May 2022 15:59:19	Duplicated
□	An Adaptive Appearance-based Map for Long-Term Topological Localization of Mobile Robots	F. Dayoub and T. Duckett	None	2008	sousarbarb	17 May 2022 15:59:20	Duplicated
□	An 879GOPs 243mW 80fps VGA Fully Visual CNN-SLAM Processor for Wide-Range Autonomous Exploration	Z. Li and Y. Chen and L. Gong and L. Liu and D. Sylvester and D. Blaauw and H.-S. Kim	None	2019	sousarbarb	17 May 2022 15:25:30	Duplicated
□	An 879GOPs 243mW 80fps VGA Fully Visual CNN-SLAM Processor for Wide-Range Autonomous Exploration	Z. Li and Y. Chen and L. Gong and L. Liu and D. Sylvester and D. Blaauw and H.-S. Kim	2019 IEEE International Solid-State Circuits Conference - (ISSCC)	2019	sousarbarb	17 May 2022 16:40:02	Duplicated
□	Active vision for door localization and door opening using Playbot: A computer controlled wheelchair for people with mobility impairments	A. Andreopoulos and J. K. Tsotsos	None	2008	sousarbarb	18 May 2022 17:01:46	Duplicated
□	Active SLAM in Structured Environments	C. Leung and S. Huang and G. Dissanayake	None	2008	sousarbarb	17 May 2022 15:59:20	Duplicated
□	Active airborne localisation and exploration in unknown environments using inertial SLAM	M. Bryson and S. Sukkarieh	2006 IEEE Aerospace Conference (IEEE Cat. No. 05TH8853C)	2006	sousarbarb	17 May 2022 16:40:01	Duplicated
□	Active Airborne Localisation and Exploration in Unknown Environments using Inertial SLAM	M. Bryson and S. Sukkarieh	None	2006	sousarbarb	17 May 2022 15:59:20	Duplicated
□	Accurate Dynamic SLAM Using CRF-Based Long-Term Consistency	Z.-J. Du and S.-S. Huang and T.-J. Mu and Q. Zhao and R. R. Martin and K. Xu	IEEE Transactions on Visualization and Computer Graphics	2022	sousarbarb	17 May 2022 15:25:06	Duplicated
□	AVP-SLAM: Semantic Visual Mapping and Localization for Autonomous Vehicles in the Parking Lot	T. Qin and T. Chen and Y. Chen and Q. Su	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		Are We Ready for Service Robots? The OpenLORIS-Scene Datasets for Lifelong SLAM	X. Shi and D. Li and P. Zhao and Q. Tian and Y. Tian and Q. Long and C. Zhu and J. Song and F. Qiao and L. Song and Y. Guo and Z. Wang and Y. Zhang and B. Qin and W. Yang and F. Wang and R. H. M. Chan and Q. She	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Are We Ready for Service Robots? The OpenLORIS-Scene Datasets for Lifelong SLAM	X. Shi and D. Li and P. Zhao and Q. Tian and Y. Tian and 2 and 2 and 2 and 2 and 2 and 3 and 3 and 1 and 1 and 3 and 4 and 4 and 5 and 1	2020 IEEE International Conference on Robotics and Automation (ICRA)	2020	sousarbarb	17 May 2022 16:40:02	Duplicated
□		Approximating Marginalization with Sparse Global Priors for Sliding Window SLAM-Graphs	D. Wilbers and L. Rumberg and C. Stachniss	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Approximating Marginalization with Sparse Global Priors for Sliding Window SLAM-Graphs	D. Wilbers and L. Rumberg and C. Stachniss	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Approximating Marginalization with Sparse Global Priors for Sliding Window SLAM-Graphs	D. Wilbers and L. Rumberg and C. Stachniss	2019 Third IEEE International Conference on Robotic Computing (IRC). Proceedings	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Appearance-based mapping and localization for mobile robots using a feature stability histogram	B. Bacca and J. Salvi and X. Cufí	Robotics and Autonomous Systems	2011	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Appearance-based mapping and localization for mobile robots using a feature stability histogram	B. Bacca and J. Salvi and X. Cufí	ROBOTICS AND AUTONOMOUS SYSTEMS	2011	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Appearance-based mapping and localisation using feature stability histograms	B. Bacca and J. Salvi and J. Batlle and X. Cufí	Electronics Letters	2010	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Appearance-Based SLAM for Mobile Robots	B. Bacca and J. Salvi and X. Cufí	None	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
□		Appearance-Based Loop Closure Detection for Online Large-Scale and Long-Term Operation	M. Labbe and F. Michaud	IEEE Transactions on Robotics	2013	sousarbarb	17 May 2022 16:40:01	Duplicated
□		Appearance-based landmark selection for efficient long-term visual localization	M. Burki and I. Gilitschenski and E. Stumm and R. Siegwart and J. Nieto	2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
□		Appearance-Based Landmark Selection for Efficient Long-Term Visual Localization	M. Buerki and I. Gilitschenski and E. Stumm and S. Roland and J. Nieto	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
□		An efficient approach to odometric non-systematic error modeling for mobile robots	Y. Jingdong and H. Bingrong and P. Songhao	Chinese Journal of Electronics	2008	sousarbarb	17 May 2022 16:40:02	Duplicated
□		An Optimization Technique for Positioning Multiple Maps for Self-Driving Car's Autonomous Navigation	S. Dominguez and B. Khomutenko and G. Garcia and P. Martinet	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
□		An Optimization Technique for Positioning Multiple Maps for Self-Driving Car's Autonomous Navigation	S. Dominguez and B. Khomutenko and G. Garcia and P. Martinet	2015 IEEE 18th International Conference on Intelligent Transportation Systems (ITSC). Proceedings	2015	sousarbarb	17 May 2022 16:40:01	Duplicated
□		An Optimization Technique for Positioning Multiple Maps for Self-Driving Car's Autonomous Navigation	S. Dominguez and B. Khomutenko and G. Garcia and P. Martinet	None	2015	sousarbarb	17 May 2022 15:24:45	Duplicated
□		An Open-source Bio-inspired Solution to Underwater SLAM	L. Silveira and F. Guth and P. Drews-Jr and P. Ballester and M. Machado and F. Codevilla and N. Duarte-Filho and S. Botelho	IFAC - Papers Online	2015	sousarbarb	17 May 2022 16:40:01	Duplicated

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		Bridging the appearance gap: Multi-experience localization for long-term visual teach and repeat	M. Paton and K. MacTavish and M. Warren and T. D. Barfoot	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
		BiCamSLAM: two times mono is more than stereo	J. Sola and A. Monin and M. Devy	2007 IEEE International Conference on Robotics and Automation (IEEE Cat No. 07CH37836D)	2007	sousarbarb	17 May 2022 16:40:01	Duplicated
		BiCamSLAM: Two times mono is more than stereo	J. Sola and A. Monin and M. Devy	None	2007	sousarbarb	18 May 2022 17:01:46	Duplicated
		Bathymetric Factor Graph SLAM with Sparse Point Cloud Alignment	V. Bichucher and J. M. Walls and P. Ozog and K. A. Skinner and R. M. Eustice	OCEANS 2015 - MTS/IEEE Washington	2015	sousarbarb	17 May 2022 16:40:01	Duplicated
		Bathymetric factor graph SLAM with sparse point cloud alignment	V. Bichucher and J. M. Walls and P. Ozog and K. A. Skinner and R. M. Eustice	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
		Autonomous Vehicle Localization with Prior Visual Point Cloud Map Constraints in GNSS-Challenged Environments	X. Lin and F. Wang and B. Yang and W. Zhang	REMOTE SENSING	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
		Autonomous Navigation: Achievements in Complex Environments	M. E. Adams	None	2006	sousarbarb	17 May 2022 15:59:20	Duplicated
		Automating answers to "where am i?"	P. Newman	IEE Forum on: Autonomous Systems	2005	sousarbarb	17 May 2022 16:40:01	Duplicated
		Automated Crack Detection on Concrete Bridges	P. Prasanna and K. J. Dana and N. Gucunski and B. B. Basily and H. M. La and 4 and 4	IEEE Transactions on Automation Science and Engineering	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
		Automated Crack Detection on Concrete Bridges	P. Prasanna and K. J. Dana and N. Gucunski and B. B. Basily and H. M. La and R. S. Lim and H. Parvadeh	IEEE Transactions on Automation Science and Engineering	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
		Augmenting visual SLAM with Wi-Fi sensing for indoor applications	Z. S. Hashemifar and C. Adhivarahan and A. Balakrishnan and K. Dantu	Autonomous Robots	2019	sousarbarb	17 May 2022 16:40:02	Duplicated
		Automated Crack Detection on Concrete Bridges	P. Prasanna and K. J. Dana and N. Gucunski and B. B. Basily and H. M. La and R. S. Lim and H. Parvadeh	IEEE Transactions on Automation Science and Engineering	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
		Augmenting visual SLAM with Wi-Fi sensing for indoor applications	Z. S. Hashemifar and C. Adhivarahan and B. Anand and K. Dantu	AUTONOMOUS ROBOTS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
		Augmenting Visual SLAM with Wi-Fi Sensing For Indoor Applications [arXiv]	Z. S. Hashemifar and C. Adhivarahan and A. Balakrishnan and K. Dantu	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
		Ascending Stairway Modeling from Dense Depth Imagery for Traversability Analysis	J. A. Delmerico and D. Baran and P. David and R. Julian and J. J. Corso	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
		Ascending Stairway Modeling from Dense Depth Imagery for Traversability Analysis	J. A. Delmerico and D. Baran and P. David and J. Ryde and J. J. Corso	None	2013	sousarbarb	17 May 2022 15:59:20	Duplicated
		Ascending stairway modeling from dense depth imagery for traversability analysis	J. A. Delmerico and D. Baran and P. David and J. Ryde and J. J. Corso	2013 IEEE International Conference on Robotics and Automation (ICRA)	2013	sousarbarb	17 May 2022 16:40:00	Duplicated
		ClusterMap Building and Relocalization in Urban Environments for Unmanned Vehicles	Z. Pan and H. Chen and S. Li and Y. Liu	SENSORS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated

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	ClusterMap Building and Relocalization in Urban Environments for Unmanned Vehicles	Z. Pan and H. Chen and S. Li and Y. Liu	Sensors	2019	sousarbarb	17 May 2022 16:40:02	Duplicated
	Checkout my map: version control for fleetwide visual localisation	M. Gadd and P. Newman	2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Checkout my map: Version control for fleetwide visual localisation	M. Gadd and P. Newman	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
	Collaborative Augmented Reality on Smartphones via Life-long City-scale Maps	L. Platinsky and M. Szabados and F. Hlasek and R. Hemslay and L. D. Pero and A. Pancik and B. Baum and H. Grimmett and P. Ondruska	None	2020	sousarbarb	17 May 2022 15:25:06	Duplicated
	Checkout My Map: Version Control for Fleetwide Visual Localisation	M. Gadd and P. Newman	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Checkout My Map: Version Control for Fleetwide Visual Localisation	M. Gadd and P. Newman	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	Characterising an indoor environment with a mobile robot and uncalibrated stereo	K. B. Sarachik	Proceedings. 1989 IEEE International Conference on Robotics and Automation (Cat. No.89CH2750-8)	1989	sousarbarb	17 May 2022 16:40:01	Duplicated
	Change detection using weighted features for image-based localization	E. Derner and C. Gomez and A. C. Hernandez and B. Ramon and R. Babuska	ROBOTICS AND AUTONOMOUS SYSTEMS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Change detection using weighted features for image-based localization	E. Derner and C. Gomez and A. C. Hernandez and R. Barber and R. BabuÅjka	Robotics and Autonomous Systems	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Ceiling vision-based active SLAM framework for dynamic and wide-open environments	S.-Y. An and L.-K. Lee and S.-Y. Oh	Autonomous Robots	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Ceiling vision-based active SLAM framework for dynamic and wide-open environments	S.-Y. An and L.-K. Lee and S.-Y. Oh	AUTONOMOUS ROBOTS	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	CREATING MULTI-TEMPORAL MAPS OF URBAN ENVIRONMENTS FOR IMPROVED LOCALIZATION OF AUTONOMOUS VEHICLES	J. Schachtschneider and C. Brenner	ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	CD SLAM - Continuous localization and mapping in a dynamic world	K. Pirker and M. Ruther and H. Bischof	2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2011)	2011	sousarbarb	17 May 2022 16:40:01	Duplicated
	Ceiling vision-based active SLAM framework for dynamic and wide-open environments	S.-Y. An and L.-K. Lee and S.-Y. Oh	Autonomous Robots	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	BundleTrack: 6D Pose Tracking for Novel Objects without Instance or Category-Level 3D Models	B. Wen and K. Bekris	2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2021	sousarbarb	17 May 2022 16:40:00	Duplicated
	BundleTrack: 6D Pose Tracking for Novel Objects without Instance or Category-Level 3D Models	B. Wen and K. Bekris	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Bridging the Appearance Gap: Multi-Experience Localization for Long-Term Visual Teach and Repeat	M. Paton and K. MacTavish and M. Warren and T. D. Barfoot	2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Bridging the Appearance Gap: Multi-Experience Localization for Long-Term Visual Teach and Repeat	M. Paton and K. M. Tavish and M. Warren and T. D. Barfoot	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Curating Long-Term Vector Maps	S. Nashed and J. Biswas	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	Curating Long-Term Vector Maps	S. Nashed and J. Biswas	None	2016	sousarbarb	17 May 2022 15:24:45	Duplicated
	Continuous localization in changing environments	K. Graves and W. Adams and A. Schultz	None	1997	sousarbarb	18 May 2022 17:01:46	Duplicated

	Bibtex Key ↕	Title	↔	Author	↔	Journal	↔	Year	↔	Added by	↔	Added at	↔	Status	↔
		Continuous localization in changing environments		K. Graves and W. Adams and A. Schultz		None		1997		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Continuous localization in changing environments		K. Graves and W. Adams and A. Schultz		Proceedings. 1997 IEEE International Symposium on Computational Intelligence in Robotics and Automation CIRA'97. 'Towards New Computational Principles for Robotics and Automation' (Cat. No.97TB100176)		1997		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Consistent sparsification for graph optimization		G. Huang and M. Kaess and J. J. Leonard		2013 European Conference on Mobile Robots. Proceedings		2013		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Consistency of the FastSLAM algorithm		T. Bailey and J. Nieto and E. Nebot		Proceedings. 2006 Conference on International Robotics and Automation (IEEE Cat. No. 06CH37729D)		2006		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Condition-Invariant Robot Localization Using Global Sequence Alignment of Deep Features		J. Oh and C. Han and S. Lee		SENSORS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Concurrent filtering and smoothing: A parallel architecture for real-time navigation and full smoothing		S. Williams and V. Indelman and M. Kaess and R. Richard and J. J. Leonard and F. Dellaert		INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Consistency of the FastSLAM Algorithm		T. Bailey and J. Nieto and E. Nebot		None		2006		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Condition-Invariant Robot Localization Using Global Sequence Alignment of Deep Features		J. Oh and C. Han and S. Lee		Sensors		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Comparison of Two Image and Inertial Sensor Fusion Techniques for Navigation in Unmapped Environments		C. N. Taylor and M. J. Veth and J. F. Raquet and M. M. M.		IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS		2011		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Comparison of Two Image and Inertial Sensor Fusion Techniques for Navigation in Unmapped Environments		C. N. Taylor and M. J. Veth and J. F. Raquet and M. M. Miller		IEEE Transactions on Aerospace and Electronic Systems		2011		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Comparative Analysis of Different Mobile LiDAR Mapping Systems for Ditch Line Characterization		Y.-C. Lin and R. Manish and D. Bullock and A. Habib		REMOTE SENSING		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Communication constrained cloud-based long-term visual localization in real time		X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Communication constrained cloud-based long-term visual localization in real time		X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong		2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2019		sousarbarb		17 May 2022 16:40:02		Duplicated	
		Communication constrained cloud-based long-term visual localization in real time		X. Ding and Y. Wang and L. Tang and H. Yin and R. Xiong		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Distributed Real-time Cooperative Localization and Mapping using an Uncertainty-Aware Expectation Maximization Approach		J. Dong and E. Nelson and V. Indelman and F. N. A. D. Michael		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Direct RGB-D Visual Odometry Based on Hybrid Strategy		J. Cai and L. Luo and Q. Yu and B. Liu and H. Shiqiang		IEEE SENSORS JOURNAL		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Distributed real-time cooperative localization and mapping using an uncertainty-aware expectation maximization approach		J. Dong and E. Nelson and V. Indelman and N. Michael and F. Dellaert		2015 IEEE International Conference on Robotics and Automation (ICRA). Proceedings		2015		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Development of an Autonomous Robotic System Using the Graph-based SPLAM Algorithm		D. Kozlov and V. Myasnikov		None		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Development of an Autonomous Robotic System Using the Graph-based SPLAM Algorithm		D. Kozlov and V. Myasnikov		2021 International Conference on Information Technology and Nanotechnology (ITNT)		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	

<input type="checkbox"/>	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
□		Development of Localization Method Using Magnetic Sensor and LIDAR		M. SHINOHARA and S. A. RAHOK and K. INOUE and K. OZAKI		Transactions of the Society of Instrument and Control Engineers		2013		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		DiSCO: Differentiable Scan Context With Orientation		X. Xu and H. Yin and Z. Chen and Y. Li and Y. Wang and R. Xiong		IEEE Robotics and Automation Letters		2021		sousarbarb		17 May 2022 16:40:02		Duplicated	
□		Development of an Autonomous Robotic System Using the Graph-based SPLAM Algorithm		D. Kozlov and V. Myasnikov		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Development of Autonomous Wheelchair for Indoor and Outdoor Traveling		M. Yokozuka and N. Hashimoto and O. K. A. M. Tomita		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Development of Autonomous Wheelchair for Indoor and Outdoor Traveling		M. Yokozuka and N. Hashimoto and K. Tomita and O. Matsumoto		None		2015		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Detection-by-Localization: Maintenance-Free Change Object Detector		T. Kanji		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Deformable Map Matching for Uncertain Loop-Less Maps [arXiv]		K. Tanaka		arXiv		2016		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Deep Supervised Hashing with Similar Hierarchy for Place Recognition		L. Wu and Y. Wu		2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Deep Samplable Observation Model for Global Localization and Kidnapping		R. Chen and H. Yin and Y. Jiao and G. Dissanayake and Y. Wang and R. Xiong		IEEE Robotics and Automation Letters		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Deep Samplable Observation Model for Global Localization and Kidnapping		R. Chen and H. Yin and Y. Jiao and G. Dissanayake and Y. Wang and R. Xiong		IEEE Robotics and Automation Letters		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Curating long-term vector maps		S. Nashed and J. Biswas		2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Curating Long-Term Vector Maps		S. Nashed and J. Biswas		None		2016		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Edge-SLAM: Edge-Assisted Visual Simultaneous Localization and Mapping		A. J. B. Ali and Z. S. Hashemifar and K. Dantu		MobiSys '20: Proceedings of the 18th International Conference on Mobile Systems, Applications, and Services		2020		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Dynamic pose graph SLAM: Long-term mapping in low dynamic environments		A. Walcott-Bryant and M. Kaess and H. Johannsson and J. J. Leonard		2012 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2012)		2012		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Dynamic Pose Graph SLAM: Long-term Mapping in Low Dynamic Environments		A. Walcott-Bryant and M. Kaess and H. Johannsson and J. J. Leonard		None		2012		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Dynamic Pose Graph SLAM: Long-term Mapping in Low Dynamic Environments		A. Walcott-Bryant and M. Kaess and J. J. H. A. L. Johannsson		None		2012		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		DynaSLAM: Tracking, Mapping, and Inpainting in Dynamic Scenes		B. Bescos and J. M. Facil and J. Civera and J. Neira		IEEE Robotics and Automation Letters		2018		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		DynaSLAM: Tracking, Mapping, and Inpainting in Dynamic Scenes		B. Bescos and J. M. Facil and J. Civera and J. Neira		IEEE Robotics and Automation Letters		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Driven by Vision: Learning Navigation by Visual Localization and Trajectory Prediction		M. Leordeanu and I. Paraicu		SENSORS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		DynaSLAM: Tracking, Mapping, and Inpainting in Dynamic Scenes		B. Bescos and J. M. Facil and J. Civera and J. Neira		IEEE ROBOTICS AND AUTOMATION LETTERS		2018		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Driven by Vision: Learning Navigation by Visual Localization and Trajectory Prediction		M. Leordeanu and I. Paraicu		Sensors		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	

	Bibtex Key ↗	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
		Drift-correcting self-calibration for visual-inertial SLAM		F. Nobre and M. Kasper and C. Heckman		2017 IEEE International Conference on Robotics and Automation (ICRA)		2017		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Domain-Invariant Similarity Activation Map Contrastive Learning for Retrieval-Based Long-Term Visual Localization		H. Hu and H. Wang and Z. Liu and W. Chen		IEEE/CAA Journal of Automatica Sinica		2022		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Domain-Invariant Similarity Activation Map Contrastive Learning for Retrieval-Based Long-Term Visual Localization		H. Hu and H. Wang and Z. Liu and W. Chen		IEEE-CAA JOURNAL OF AUTOMATICA SINICA		2022		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Distributed stereo vision-based 6D localization and mapping for multi-robot teams		M. J. Schuster and K. Schmid and M. C. A. B. Brand		JOURNAL OF FIELD ROBOTICS		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Distributed stereo vision-based 6D localization and mapping for multi-robot teams		M. J. Schuster and K. Schmid and C. Brand and M. Beetz		Journal of Field Robotics		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Distributed and collaborative monocular simultaneous localization and mapping for multi-robot systems in large-scale environments		H. Zhang and X. Chen and H. Lu and J. Xiao		International Journal of Advanced Robotic Systems		2018		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Distributed Real-Time Cooperative Localization and Mapping Using an Uncertainty-Aware Expectation Maximization Approach		J. Dong and E. Nelson and V. Indelman and N. Michael and F. Dellaert		None		2015		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Distributed and collaborative monocular simultaneous localization and mapping for multi-robot systems in large-scale environments		H. Zhang and X. Chen and H. Lu and J. Xiao		International Journal of Advanced Robotic Systems		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Episodic Non-Markov Localization: Reasoning About Short-Term and Long-Term Features		J. Biswas and M. Veloso		None		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Episodic Non-Markov Localization: Reasoning About Short-Term and Long-Term Features		J. Biswas and M. Veloso		None		2014		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Environment selection and hierarchical place recognition		M. Mohan and D. Galvez-Lopez and C. Monteleoni and G. Sibley		2015 IEEE International Conference on Robotics and Automation (ICRA). Proceedings		2015		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Environment Selection And Hierarchical Place Recognition		M. Mohan and D. Galvez-Lopez and G. C. A. S. Montcleoni		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Environment Selection and Hierarchical Place Recognition		M. Mohan and D. Gálvez-López and C. Monteleoni and G. Sibley		None		2015		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Enhancing functionality and autonomy in man-portable robots		E. Pacis and H. Everett and N. Farrington and D. Bruemmer		None		2004		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Enabling Persistent Autonomy for Underwater Gliders Through Terrain Based Navigation		A. Stuntz and D. Liebel and R. N. Smith		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Enabling Persistent Autonomy for Underwater Gliders Through Terrain Based Navigation		A. Stuntz and D. Liebel and R. N. Smith		None		2015		sousarbarb		17 May 2022 15:59:19		Duplicated	
		Enabling persistent autonomy for underwater gliders through terrain based navigation		A. Stuntz and D. Liebel and R. N. Smith		OCEANS 2015		2015		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Elastic LiDAR fusion: dense map-centric continuous-time SLAM		C. Park and P. Moghadam and S. Kim and A. Elfes and C. Fookes and S. Sridharan		2018 IEEE International Conference on Robotics and Automation (ICRA)		2018		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Efficient Long-term Mapping in Dynamic Environments		M. T. Lázaro and R. Capobianco and G. Grisetti		None		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Efficient Long-term Mapping in Dynamic Environments		M. T. Lazaro and R. Capobianco and G. Grisetti		2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2018		sousarbarb		17 May 2022 16:40:01		Duplicated	

	Bibtext Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
		Efficient information-theoretic graph pruning for graph-based SLAM with laser range finders	H. Kretzschmar and C. Stachniss and G. Grisetti	2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2011)	2011	sousarbarb	17 May 2022 16:40:00	Duplicated
		Efficient Information-Theoretic Graph Pruning for Graph-Based SLAM with Laser Range Finders	H. Kretzschmar and C. Stachniss and G. Grisetti	None	2011	sousarbarb	18 May 2022 17:01:46	Duplicated
		Efficient Long-term Mapping in Dynamic Environments	M. T. Lázaro and R. Capobianco and G. Grisetti	None	2018	sousarbarb	17 May 2022 15:24:45	Duplicated
		Efficient Information-Theoretic Graph Pruning for Graph-Based SLAM with Laser Range Finders	H. Kretzschmar and C. Stachniss and G. Grisetti	None	2011	sousarbarb	17 May 2022 15:59:20	Duplicated
		Exploration and mapping technique suited for visual-features based localization of MAVs	J. Chudoba and M. Kulich and M. Saska and T. Baa and L. Preuil	Journal of Intelligent & Robotic Systems	2016	sousarbarb	17 May 2022 16:40:00	Duplicated
		Exploration and Mapping Technique Suited for Visual-features Based Localization of MAVs	J. Chudoba and M. Kulich and M. Saska and T. Bāa and L. Pāmeuāil	Journal of Intelligent & Robotic Systems	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
		Experimental Analysis of Sample-Based Maps for Long-Term SLAM	P. Biber and T. Duckett	The International Journal of Robotics Research	2009	sousarbarb	17 May 2022 15:59:20	Duplicated
		Exactly sparse delayed state filter on Lie groups for long-term pose graph SLAM	K. Lenac and J. Česík and I. Markovič and I. Petrovič	The International Journal of Robotics Research	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
		Experimental Analysis of Sample-Based Maps for Long-Term SLAM	P. Biber and T. Duckett	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
		Exactly sparse delayed state filter on Lie groups for long-term pose graph SLAM	K. Lenac and J. Cesic and I. Markovic and I. Petrovic	International Journal of Robotics Research	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
		Exactly sparse delayed state filter on Lie groups for long-term pose graph SLAM	K. Lenac and J. Cesic and I. Markovic and I. Petrovic	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
		ExMaps: Long-Term Localization in Dynamic Scenes using Exponential Decay	A. Rotsidis and C. Lutteroth and P. Hall and C. Richardt	None	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
		ExMaps: Long-Term Localization in Dynamic Scenes using Exponential Decay	A. Rotsidis and C. Lutteroth and P. Hall and C. Richardt	None	2021	sousarbarb	17 May 2022 15:59:19	Duplicated
		Evolving Indoor Navigational Strategies Using Gated Recurrent Units in NEAT	J. Butterworth and R. Savani and K. Tuyls	None	2019	sousarbarb	17 May 2022 15:31:55	Duplicated
		Evolving indoor navigational strategies using gated recurrent units in NEAT	J. Butterworth and R. Savani and K. Tuyls	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
		Evaluation of Long-term LiDAR Place Recognition	J. Peltomaki and F. Alijani and J. Puura and H. Heikki and E. Rahtu and J.-K. Kamarainen	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
		Evidential SLAM Fusing 2D Laser Scanner and Stereo Camera	M. Valente and C. Joly and A. D. L. Fortelle	UNMANNED SYSTEMS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
		Evaluation of Long-term LiDAR Place Recognition	J. Peltomaki and F. Alijani and J. Puura and H. Huttunen and E. Rahtu and J.-K. Kamarainen	2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
		Episodic non-Markov localization	J. Biswas and M. M. Veloso	Robotics and Autonomous Systems	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
		Error Modelling for Multi-Sensor Measurements in Infrastructure-Free Indoor Navigation	L. Ruotsalainen and M. Kirkko-Jaakkola and J. Rantanen and M. Makela	Sensors	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
		Episodic non-Markov localization	J. Biswas and M. M. Veloso	Robotics and Autonomous Systems	2017	sousarbarb	17 May 2022 16:40:00	Duplicated

	Bibtex Key ↕	Title	↔	Author	↔	Journal	↔	Year	↔	Added by	↔	Added at	↔	Status	↔
□		Episodic non-Markov localization: Reasoning about short-term and long-term features		J. Biswas and M. Veloso		2014 IEEE International Conference on Robotics and Automation (ICRA)		2014		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Geometry-based Graph Pruning for Lifelong SLAM		G. Kurz and M. Holoch and P. Biber		None		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Geometry-based Graph Pruning for Lifelong SLAM		G. Kurz and M. Holoch and P. Biber		None		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Geometric Mapping for Sustained Indoor Autonomy		Z. Hashemifar and K. W. Lee and N. Napp and K. Dantu		None		2018		sousarbarb		17 May 2022 15:31:55		Duplicated	
□		Generic Node Removal for Factor-Graph SLAM		N. Carlevaris-Bianco and M. Kaess and R. M. Eustice		IEEE Transactions on Robotics		2014		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Generic Node Removal for Factor-Graph SLAM		N. Carlevaris-Bianco and M. Kaess and R. M. Eustice		IEEE Transactions on Robotics		2014		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Generic Node Removal for Factor-Graph SLAM		N. Carlevaris-Bianco and M. Kaess and R. M. Eustice		IEEE TRANSACTIONS ON ROBOTICS		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Generic 2D/3D SLAM with NDT maps for lifelong application		E. Einhorn and H.-M. Gross		2013 European Conference on Mobile Robots. Proceedings		2013		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		FusionVLAD: A Multi-View Deep Fusion Networks for Viewpoint-Free 3D Place Recognition		P. Yin and L. Xu and J. Zhang and H. Choset		IEEE ROBOTICS AND AUTOMATION LETTERS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		FusionVLAD: A Multi-View Deep Fusion Networks for Viewpoint-Free 3D Place Recognition		P. Yin and L. Xu and J. Zhang and H. Choset		IEEE Robotics and Automation Letters		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		FrEMEn: Frequency Map Enhancement for Long-Term Mobile Robot Autonomy in Changing Environments		T. Krajinik and J. P. Fentanes and J. M. Santos and T. Duckett		IEEE Transactions on Robotics		2017		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		FrEMEn: Frequency Map Enhancement for Long-Term Mobile Robot Autonomy in Changing Environments		T. Krajinik and J. P. Fentanes and J. M. Santos and T. Duckett		IEEE Transactions on Robotics		2017		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Featureless Visual Processing for SLAM in Changing Outdoor Environments		M. Milford and A. George		None		2014		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Fast damage recovery in robotics with the T-resilience algorithm		S. Koos and A. Cully and J.-B. Mouret		INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH		2013		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		FLAME: Feature-Likelihood Based Mapping and Localization for Autonomous Vehicles		S. Pang and D. Kent and D. Morris and H. Radha		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Fault-Diagnosing Deep-Visual-SLAM for 3D Change Object Detection		K. Tanaka		JOURNAL OF ADVANCED COMPUTATIONAL INTELLIGENCE AND INTELLIGENT INFORMATICS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		FLAME: Feature-Likelihood Based Mapping and Localization for Autonomous Vehicles		S. Pang and D. Kent and D. Morris and H. Radha		2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Explorations on visual localization from active to passive		Y. Yang and Y. Wu and N. Chen		Multimedia Tools and Applications		2019		sousarbarb		17 May 2022 16:40:02		Duplicated	
□		Explorations on visual localization from active to passive		Y. Yang and Y. Wu and N. Chen		Multimedia Tools and Applications		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		High-precision and robust localization system for mobile robots in complex and large-scale indoor scenes		J. Wang and C. Li and B. Li and C. Pang and F. Zheng		INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		High-precision and robust localization system for mobile robots in complex and large-scale indoor scenes		J. Wang and C. Li and B. Li and C. Pang and Z. Fang		International Journal of Advanced Robotic Systems		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		High-definition map update framework for intelligent autonomous transfer vehicles		M. O. Tas and H. S. Yavuz and A. Yazici		Journal of Experimental & Theoretical Artificial Intelligence		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		High-precision and robust localization system for mobile robots in complex and large-scale indoor scenes		J. Wang and C. Li and B. Li and C. Pang and Z. Fang		International Journal of Advanced Robotic Systems		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
		High-definition map update framework for intelligent autonomous transfer vehicles		M. O. Tas and H. S. Yavuz and A. Yazici		JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		High level assisted control mode based on SLAM for a remotely controlled robot		J.-C. Devaux and P. Nadrag and E. Colle and P. Hoppenot		2011 15th International Conference on Advanced Robotics		2011		sousarbarb		17 May 2022 16:40:01		Duplicated	
		High level assisted control mode based on SLAM for a remotely controlled robot		J.-C. Devaux and P. Nadrag and E. Colle and P. Hoppenot		None		2011		sousarbarb		17 May 2022 15:25:06		Duplicated	
		High level assisted control mode based on SLAM for a remotely controlled robot		J.-C. Devaux and P. Nadrag and E. Colle and P. Hoppenot		None		2011		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Hierarchical SLAM using spectral submap matching with opportunities for long-term operation		J. Oberlander and A. Roennau and R. Dillmann		2013 16th International Conference on Advanced Robotics (ICAR)		2013		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Hierarchical Loop Closure Detection for Long-term Visual SLAM with Semantic-Geometric Descriptors		G. Singh and M. Wu and S. Lam and D. V. Minh		None		2021		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Hierarchical Loop Closure Detection for Long-term Visual SLAM with Semantic-Geometric Descriptors		G. Singh and M. Wu and S.-K. Lam and D. V. Minh		2021 IEEE International Intelligent Transportation Systems Conference (ITSC)		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Graph Optimization Methods for Large-Scale Crowdsourced Mapping		A. Stoven-Dubois and A. Dziri and B. Leroy and C. Roland		None		2020		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Global localization using multiple hypothesis tracking: A real-world approach		M. Lutz and S. Hochdorfer and C. Schlegel		2011 IEEE Conference on Technologies for Practical Robot Applications (TePRA)		2011		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Globally Optimal Fetoscopic Mosaicking Based on Pose Graph Optimisation With Affine Constraints		L. Li and S. Bano and J. Deprest and A. David and D. Stoyanov and F. Vasconcelos		IEEE Robotics and Automation Letters		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Global Localization using Multiple Hypothesis Tracking: A real-world Approach		M. Lutz and S. Hochdorfer and C. Schlegel		None		2011		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Global Alignment of Deep Features for Robot Localization in Changing Environment		J. H. Oh and H.-J. Lee		2019 3rd European Conference on Electrical Engineering and Computer Science (EECS)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Global Alignment of Deep Features for Robot Localization in Changing Environment		J. H. Oh and H.-J. Lee		None		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Geometry-based Graph Pruning for Lifelong SLAM		G. Kurz and M. Holoch and P. Biber		None		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Incremental unsupervised topological place discovery		L. Murphy and G. Sibley		None		2014		sousarbarb		17 May 2022 15:24:45		Duplicated	
		Incorporating environmental measurements in navigation		H. J. S. Feder and J. J. Leonard and C. M. Smith		Proceedings of the 1998 Workshop on Autonomous Underwater Vehicles (Cat. No.98CH36290)		1998		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Incorporating environmental measurements in navigation		H. J. S. Feder and J. J. Leonard and C. M. Smith		None		1998		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Improving Visual SLAM in Car-Navigated Urban Environments with Appearance Maps		A. Jaenal and D. Zuñiga-Nöel and R. Gomez-Ojeda and J. Gonzalez-Jimenez		None		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Improving Image Description with Auxiliary Modality for Visual Localization in Challenging Conditions		N. Piasco and D. Sidibe and V. Gouet-Brunet and C. Demonceaux		International Journal of Computer Vision		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Improved and scalable online learning of spatial concepts and language models with mapping		A. Taniguchi and Y. Hagiwara and T. Taniguchi and T. Inamura		Autonomous Robots		2020		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Identifying robust landmarks in feature-based maps		J. S. Berrio and J. Ward and S. Worrall and E. Nebot		2019 IEEE Intelligent Vehicles Symposium (IV)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	

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	IMPROVEMENT OF 3D MONTE CARLO LOCALIZATION USING A DEPTH CAMERA AND TERRESTRIAL LASER SCANNER	S. Kanai and R. Hatakeyama and H. Date	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
	I am Not Afraid of the GPS Jammer: Resilient Navigation via Signals of Opportunity in GPS-Denied Environments	Z. Z. Kassas and J. Khalife and A. Abdallah and C. Lee	IEEE Aerospace and Electronic Systems Magazine	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
	I am Not Afraid of the GPS Jammer: Resilient Navigation via Signals of Opportunity in GPS-Denied Environments	Z. Z. Kassas and J. Khalife and A. Abdallah and C. Lee	IEEE Aerospace and Electronic Systems Magazine	2022	sousarbarb	17 May 2022 15:24:45	Duplicated
	How to learn an illumination robust image feature for place recognition	H. Lategahn and J. Beck and B. Kitt and C. Stiller	2013 IEEE Intelligent Vehicles Symposium (IV)	2013	sousarbarb	17 May 2022 16:40:00	Duplicated
	How to Match Tracks of Visual Features for Automotive Long-Term SLAM	S. Luthardt and C. Ziegler and V. Willert and A. Juergen	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	How to Match Tracks of Visual Features for Automotive Long-Term SLAM	S. Luthardt and C. Ziegler and V. Willert and J. Adamy	2019 IEEE Intelligent Transportation Systems Conference (ITSC)	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Hough\$^2\$Map Iterative Event-Based Hough Transform for High-Speed Railway Mapping	F. Tschopp and C. V. Einem and A. Cramariuc and D. Hug and A. W. Palmer and R. Siegwart and M. Chli and J. Nieto	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Hough(2)Map - Iterative Event-Based Hough Transform for High-Speed Railway Mapping	F. Tschopp and C. V. Einem and A. Cramariuc and H. David and A. W. Palmer and R. Siegwart and C. Margarita and J. Nieto	IEEE ROBOTICS AND AUTOMATION LETTERS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Hough\$^2\$Map – Iterative Event-Based Hough Transform for High-Speed Railway Mapping	F. Tschopp and C. V. Einem and A. Cramariuc and D. Hug and A. W. Palmer and R. Siegwart and M. Chli and J. Nieto	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
	Hough2Map - Iterative Event-Based Hough Transform for High-Speed Railway Mapping	F. Tschopp and C. V. Einem and A. Cramariuc and D. Hug and A. W. Palmer and R. Siegwart and M. Chli and J. Nieto	IEEE Robotics and Automation Letters	2021	sousarbarb	17 May 2022 16:40:00	Duplicated
	How to Match Tracks of Visual Features for Automotive Long-Term SLAM	S. Luthardt and C. Ziegler and V. Willert and J. Adamy	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Keeping an Eye on Things: Deep Learned Features for Long-Term Visual Localization	M. Gridseth and T. D. Barfoot	IEEE ROBOTICS AND AUTOMATION LETTERS	2022	sousarbarb	18 May 2022 17:01:46	Duplicated
	LCPF: A Particle Filter Lidar SLAM System With Loop Detection and Correction	F. Nie and W. Zhang and Z. Yao and Y. Shi and F. Li and Q. Huang	IEEE Access	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Integration of Monte Carlo Localization and Place Recognition for Reliable Long-Term Robot Localization	J. Perez and F. Caballero and L. Merino	2014 IEEE International Conference on Autonomous Robot Systems and Competitions (ICARSC)	2014	sousarbarb	17 May 2022 16:40:01	Duplicated
	Keeping an Eye on Things: Deep Learned Features for Long-Term Visual Localization	M. Gridseth and T. D. Barfoot	IEEE Robotics and Automation Letters	2022	sousarbarb	17 May 2022 16:40:01	Duplicated
	Integration and evaluation of SLAM-based backpack mobile mapping system	P. Yu and M. Wang and H. Chen	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Keeping an Eye on Things: Deep Learned Features for Long-Term Visual Localization	M. Gridseth and T. D. Barfoot	IEEE Robotics and Automation Letters	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
	Integration of Monte Carlo Localization and Place Recognition for Reliable Long-Term Robot Localization	J. PÃ©rez and F. Caballero and L. Merino	None	2014	sousarbarb	17 May 2022 15:59:20	Duplicated

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	Integration and evaluation of SLAM-based backpack mobile mapping system	P. Yu and M. Wang and H. Chen	E3S Web of Conferences	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Integration and evaluation of SLAM-based backpack mobile mapping system	P. Yu and M. Wang and H. Chen	E3S Web of Conferences	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Input Uncertainty Sensitivity Enhanced Nonsingleton Fuzzy Logic Controllers for Long-Term Navigation of Quadrotor UAVs	C. Fu and A. Sarabakha and E. Kayacan and C. Wagner and R. John and J. M. Garibaldi	IEEE/ASME Transactions on Mechatronics	2018	sousarbarb	17 May 2022 15:25:30	Duplicated
	Input Uncertainty Sensitivity Enhanced Nonsingleton Fuzzy Logic Controllers for Long-Term Navigation of Quadrotor UAVs	C. Fu and A. Sarabakha and E. Kayacan and W. Christian and R. John and J. M. Garibaldi	IEEE-ASME TRANSACTIONS ON MECHATRONICS	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Information-Based Active SLAM via Topological Feature Graphs	B. Mu and M. Giamou and L. Paull and A.-A. Agha-Mohammadi and J. Leonard and J. How	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Input Uncertainty Sensitivity Enhanced Nonsingleton Fuzzy Logic Controllers for Long-Term Navigation of Quadrotor UAVs	C. Fu and A. Sarabakha and E. Kayacan and C. Wagner and R. John and J. M. Garibaldi	IEEE/ASME Transactions on Mechatronics	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Indoor navigation to support the blind person using true pathway within the map	A. M. Ali and M. J. Nordin	Journal of Computer Sciences	2010	sousarbarb	17 May 2022 16:40:00	Duplicated
	Indoor Environment RGB-DT Mapping for Security Mobile Robots	L. Zhao and Y. Liu and X. Jiang and K. Wang and Z. Zhou	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Indoor Environment RGB-DT Mapping for Security Mobile Robots	L. Zhao and Y. Liu and X. Jiang and K. Wang and Z. Zhou	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Information-based Active SLAM via Topological Feature Graphs	B. Mu and M. Giamou and L. Paull and A.-M. Ali-akbar and J. Leonard and J. How	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
	Learning Matchable Image Transformations for Long-Term Metric Visual Localization	L. Clement and M. Gridseth and J. Tomasi and J. Kelly	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Learning Matchable Image Transformations for Long-Term Metric Visual Localization	L. Clement and M. Gridseth and J. Tomasi and J. Kelly	IEEE ROBOTICS AND AUTOMATION LETTERS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Learning Context Flexible Attention Model for Long-Term Visual Place Recognition	Z. Chen and L. Liu and I. Sa and Z. Ge and M. Chli	IEEE Robotics and Automation Letters	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
	Laser-only road-vehicle localization with dual 2D push-broom LIDARS and 3D priors	I. Baldwin and P. Newman	2012 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2012)	2012	sousarbarb	17 May 2022 16:40:00	Duplicated
	Laser-only road-vehicle localization with dual 2D push-broom LIDARS and 3D priors	I. Baldwin and P. Newman	None	2012	sousarbarb	17 May 2022 15:59:20	Duplicated
	Laser Map Aided Visual Inertial Localization in Changing Environment	X. Ding and Y. Wang and D. Li and L. Tang and H. Yin and R. Xiong	2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2018	sousarbarb	17 May 2022 16:40:02	Duplicated
	Landmark rating and selection according to localization coverage: Addressing the challenge of lifelong operation of SLAM in service robots	S. Hochdorfer and C. Schlegel	None	2009	sousarbarb	17 May 2022 15:59:20	Duplicated
	Landmark rating and selection according to localization coverage: addressing the challenge of lifelong operation of SLAM in service robots	S. Hochdorfer and C. Schlegel	2009 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2009)	2009	sousarbarb	17 May 2022 16:40:01	Duplicated
	Landmark rating and selection according to localization coverage: Addressing the challenge of lifelong operation of SLAM in service robots	S. Hochdorfer and C. Schlegel	None	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
	LLama-SLAM: Learning High-quality Visual Landmarks for Long-term Mapping and Localization	S. Luthoradt and V. Willert and J. Adamy	2018 21st International Conference on Intelligent Transportation Systems (ITSC)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated

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	LLama-SLAM: Learning High-Quality Visual Landmarks for Long-Term Mapping and Localization	S. Lüthardt and V. Willert and J. Adamy	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	LLama-SLAM: Learning High-Quality Visual Landmarks for Long-Term Mapping and Localization	S. Lüthardt and V. Willert and J. Adamy	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Learning by Inertia: Self-supervised Monocular Visual Odometry for Road Vehicles	C. Wang and Y. Yuan and Q. Wang	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	LEARNING BY INERTIA: SELF-SUPERVISED MONOCULAR VISUAL ODOMETRY FOR ROAD VEHICLES	C. Wang and Y. Yuan and Q. Wang	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Learning by Inertia: Self-supervised Monocular Visual Odometry for Road Vehicles	C. Wang and Y. Yuan and Q. Wang	ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). Proceedings	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
	Keypoint design and evaluation for place recognition in 2D lidar maps	M. Bosse and R. Zlot	Robotics and Autonomous Systems	2009	sousarbarb	17 May 2022 16:40:01	Duplicated
	Keyframes retrieval for robust long-term visual localization in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and M. Dhome	2021 IEEE 19th World Symposium on Applied Machine Intelligence and Informatics (SAMI)	2021	sousarbarb	17 May 2022 16:40:02	Duplicated
	Localization in Unstructured Environments: Towards Autonomous Robots in Forests with Delaunay Triangulation	Q. Li and P. Nevalainen and J. P. Queralta and J. Heikkonen and T. Westerlund	Remote Sensing	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Localization and navigation of the CoBots over long-term deployments	J. Biswas and M. M. Veloso	The International Journal of Robotics Research	2013	sousarbarb	17 May 2022 15:59:20	Duplicated
	Lifelong localization in changing environments	G. D. Tipaldi and D. Meyer-Delius and W. Burgard	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
	Lifelong localization in changing environments	G. D. Tipaldi and D. Meyer-Delius and W. Burgard	International Journal of Robotics Research	2013	sousarbarb	17 May 2022 16:40:00	Duplicated
	Lifelong Object Localization in Robotic Applications	C. Romero-González and J. Martínez-Gómez and I. García-Varea	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Lifelong Mapping using Adaptive Local Maps	N. Banerjee and D. Lisin and J. Briggs and M. Llofriu and M. E. Munich	2019 European Conference on Mobile Robots (ECMR). Proceedings	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Lifelong Localization in Semi-Dynamic Environment	S. Zhu and X. Zhang and S. Guo and J. Li and H. Liu	2021 IEEE International Conference on Robotics and Automation (ICRA)	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
	Lifelong Localization in Semi-Dynamic Environment	S. Zhu and X. Zhang and S. Guo and J. Li and H. Liu	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Lifelong Localization in Semi-Dynamic Environment	S. Zhu and X. Zhang and S. Guo and J. Li and L. Huaping	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Lifelong Localization in Semi-Dynamic Environment	S. Zhu and X. Zhang and S. Guo and J. Li and H. Liu	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
	LiDAR Scan Matching Aided Inertial Navigation System in GNSS-Denied Environments	J. Tang and Y. Chen and X. Niu and L. Wang and L. Chen and J. Liu and C. Shi and J. Hyppönen	Sensors (Basel, Switzerland)	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	Learning to calibrate: Reinforcement learning for guided calibration of visual-inertial rigs	F. Nobre and C. Heckman	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Learning place-dependant features for long-term vision-based localisation	C. McManus and B. Upcroft and P. Newman	Autonomous Robots	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	Lifelong localization in changing environments	G. D. Tipaldi and D. Meyer-Delius and W. Burgard	The International Journal of Robotics Research	2013	sousarbarb	17 May 2022 15:59:20	Duplicated

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
□		Lifelong Object Localization in Robotic Applications		C. Romero-Gonzalez and J. Martinez-Gomez and I. Garcia-Varea		Advances in Physical Agents. Proceedings of the 21st International Workshop of Physical Agents (WAF 2020). Advances in Intelligent Systems and Computing (AISC 1285)		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Learning of Holism-Landmark Graph Embedding for Place Recognition in Long-Term Autonomy		F. Han and S. E. Beleidy and H. Wang and C. Ye and H. Zhang		IEEE Robotics and Automation Letters		2018		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Learning matchable image transformations for long-term metric visual localization		L. Clement and M. Gridseth and J. Tomasi and J. Kelly		IEEE Robotics and Automation Letters		2020		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Learning Scene Geometry for Visual Localization in Challenging Conditions		N. Piasco and D. Sidib�� and V. Gouet-Brunet and C. Demonceaux		None		2019		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from 3-D Lidar Scans		A. Schaefer and D. Buscher and J. Vertens and L. Luft and W. Burgard		2019 European Conference on Mobile Robots (ECMR). Proceedings		2019		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Long-Term Topological Localisation for Service Robots in Dynamic Environments using Spectral Maps		T. Krajnik and J. P. Fentanes and O. M. Mozos and D. Tom and J. Ekekrantz and M. Hanheide		None		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Long-Term Topological Localisation for Service Robots in Dynamic Environments Using Spectral Maps		T. Krajn��k and J. P. Fentanes and O. M. Mozos and T. Duckett and J. Ekekrantz and M. Hanheide		None		2014		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Long-term simultaneous localization and mapping with generic linear constraint node removal		N. Carlevaris-Bianco and R. M. Eustice		2013 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2013)		2013		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Long-Term Simultaneous Localization and Mapping with Generic Linear Constraint Node Removal		N. Carlevaris-Bianco and R. M. Eustice		None		2013		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Long-Term Place Recognition Using Multi-Level Words of Spatial Densities		R. Maffei and V. A. M. Jorge and V. F. Rey and M. Kolberg and E. Prestes		None		2016		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Long-term place recognition using multi-level words of spatial densities		R. Maffei and V. A. M. Jorge and V. F. Rey and K. Mariana and E. Prestes		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Long-Term Map Maintenance Pipeline for Autonomous Vehicles		J. S. Berrio and S. Worrall and M. Shan and E. Nebot		IEEE Transactions on Intelligent Transportation Systems		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Long-term topological localisation for service robots in dynamic environments using spectral maps		T. Krajnik and J. P. Fentanes and O. M. Mozos and T. Duckett and J. Ekekrantz and M. Hanheide		2014 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014)		2014		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Long-term place recognition using multi-level words of spatial densities		R. Maffei and V. A. M. Jorge and V. F. Rey and M. Kolberg and E. Prestes		2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Long-Term Loop Closure Detection through Visual-Spatial Information Preserving Multi-Order Graph Matching		P. Gao and H. Zhang		Proceedings of the AAAI Conference on Artificial Intelligence		2020		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Long-Term Loop Closure Detection through Visual-Spatial Information Preserving Multi-Order Graph Matching		P. Gao and H. Zhang		None		2020		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Long-Term Localization With Time Series Map Prediction for Mobile Robots in Dynamic Environments		L. Wang and W. Chen and J. Wang		None		2020		sousarbarb		17 May 2022 15:25:56		Duplicated	

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
		Long-Term Human Affordance Maps		R. Limosani and L. Y. Morales and J. Even and A. F. A. W. Ferreri and F. Cavallo and P. Dario and N. Hagita		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Long-Term Autonomy in Forest Environment Using Self-Corrective SLAM		P. Nevalainen and P. Movahedi and J. P. Queralta and T. Westerlund and J. Heikkonen		None		2022		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Localizing ground penetrating RADAR: a step toward robust autonomous ground vehicle localization		M. Cornick and J. Koehling and B. Stanley and B. Zhang		Journal of Field Robotics		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Localizing backscatters by a single robot with zero start-up cost		S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang		2019 IEEE Global Communications Conference (GLOBECOM)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Localizing Backscatters by a Single Robot With Zero Start-up Cost		S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang		None		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Localization in Unstructured Environments: Towards Autonomous Robots in Forests with Delaunay Triangulation		Q. Li and P. Nevalainen and J. P. Queralta and J. Heikkonen and T. Westerlund		Remote Sensing		2020		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Long-term vehicle localization in urban environments based on pole landmarks extracted from 3-D lidar scans		A. Schaefer and D. BÄ¼scher and J. Vertens and L. Luft and W. Burgard		Robotics and Autonomous Systems		2021		sousarbarb		17 May 2022 15:59:19		Duplicated	
		Long-term online multi-session graph-based SPLAM with memory management		M. LabbÃ© and F. Michaud		Autonomous Robots		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Long-term online multi-session graph-based SPLAM with memory management		M. Labbe and F. Michaud		Autonomous Robots		2018		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Loop Closure Detection by Compressed Sensing for Exploration of Mobile Robots in Outdoor Environments		A. N. Ravari and H. D. Taghirad		None		2015		sousarbarb		17 May 2022 15:59:19		Duplicated	
		Long-term RFID SLAM using Short-Range Sparse Tags		J.-F. Chen and C.-C. Wang		International Journal of Automation and Smart Technology		2015		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Long-term experiments with an adaptive spherical view representation for navigation in changing environments		F. Dayoub and G. Cielniak and T. Duckett		Robotics and Autonomous Systems		2011		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Long-term Place Recognition through Worst-case Graph Matching to Integrate Landmark Appearances and Spatial Relationships		P. Gao and H. Zhang		None		2020		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Long-term Place Recognition through Worst-case Graph Matching to Integrate Landmark Appearances and Spatial Relationships		P. Gao and H. Zhang		2020 IEEE International Conference on Robotics and Automation (ICRA)		2020		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Long-term Mapping Techniques for Ship Hull Inspection and Surveillance using an Autonomous Underwater Vehicle		P. Ozog and N. Carlevaris-Bianco and A. Kim and E. R. M.		JOURNAL OF FIELD ROBOTICS		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Long-term Localization of Mobile Robots in Dynamic Changing Environments		X. Hu and J. Wang and W. Chen		2018 Chinese Automation Congress (CAC)		2018		sousarbarb		17 May 2022 16:40:02		Duplicated	
		Long-term Localization of Mobile Robots in Dynamic Changing Environments		X. Hu and J. Wang and W. Chen		None		2018		sousarbarb		17 May 2022 15:24:45		Duplicated	
		Long-term 3D map maintenance in dynamic environments		F. Pomerleau and P. Krusi and F. Colas and P. Furgale and R. Siegwart		2014 IEEE International Conference on Robotics and Automation (ICRA)		2014		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Long-Term Visual Localization Using Semantically Segmented Images		E. Stenborg and C. Toft and L. Hammarstrand		2018 IEEE International Conference on Robotics and Automation (ICRA)		2018		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Long-term Localization of Mobile Robots in Dynamic Changing Environments		X. Hu and J. Wang and W. Chen		None		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	

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<input type="checkbox"/>	Long-Term Visual Localization Using Semantically Segmented Images	E. Stenborg and C. Toft and L. Hammarstrand	None	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
<input type="checkbox"/>	Long-Term Visual Inertial SLAM based on Time Series Map Prediction	B. Song and W. Chen and J. Wang and H. Wang	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Long-Term Visual Inertial SLAM based on Time Series Map Prediction	B. Song and W. Chen and J. Wang and H. Wang	2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
<input type="checkbox"/>	Long-Term Visual Inertial SLAM based on Time Series Map Prediction	B. Song and W. Chen and J. Wang and H. Wang	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from 3-D Lidar Scans	A. Schaefer and D. Buescher and J. Vertens and L. Lukas and W. Burgard	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Marker-Based Multi-Sensor Fusion Indoor Localization System for Micro Air Vehicles	B. Xing and Q. Zhu and F. Pan and X. Feng	Sensors	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	Mapping and Localization using Semantic Road Marking with Centimeter-level Accuracy in Indoor Parking Lots	J. Hu and M. Yang and H. Xu and Y. He and C. Wang	None	2019	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>	Mapping and Localization for Mobile Robots through Environment Appearance Update	B. Bacca and J. Salvi and X. Cufi	None	2010	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Mapping and Localization using Semantic Road Marking with Centimeter-level Accuracy in Indoor Parking Lots	J. Hu and M. Yang and H. Xu and Y. He and W. Chunxiang	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Map Management for Efficient Long-Term Visual Localization in Outdoor Environments	M. Burki and M. Dymczyk and I. Gilitschenski and C. Cesar and R. Siegwart and J. Nieto	None	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Map Management for Efficient Long-Term Visual Localization in Outdoor Environments	M. Burki and M. Dymczyk and I. Gilitschenski and C. Cadena and R. Siegwart and J. Nieto	2018 IEEE Intelligent Vehicles Symposium (IV)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
<input type="checkbox"/>	Monocular Localization in HD Maps by Combining Semantic Segmentation and Distance Transform	J.-H. Pauls and K. Petek and C. F. A. S. Poggenhans	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Map management for robust long-term visual localization of an autonomous shuttle in changing conditions	Y. Bouaziz and E. Royer and G. Bresson and M. Dhorne	Multimedia Tools and Applications	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	Map As the Hidden Sensor: Fast Odometry-Based Global Localization	C. Peng and D. Weikersdorfer	None	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Map As the Hidden Sensor: Fast Odometry-Based Global Localization	C. Peng and D. Weikersdorfer	None	2020	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>	Map as the hidden sensor: fast odometry-based global localization	C. Peng and D. Weikersdorfer	2020 IEEE International Conference on Robotics and Automation (ICRA)	2020	sousarbarb	17 May 2022 16:40:00	Duplicated
<input type="checkbox"/>	Map As the Hidden Sensor: Fast Odometry-Based Global Localization	C. Peng and D. Weikersdorfer	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	MULTI-SESSION SLAM OVER LOW DYNAMIC WORKSPACE USING RGBD SENSOR	Y. Wang and R. Xiong and S. Huang and J. wu	None	2016	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Loop-Closure Detection With a Multiresolution Point Cloud Histogram Mode in Lidar Odometry and Mapping for Intelligent Vehicles	Q. Meng and H. Guo and X. Zhao and D. Cao and H. Chen	IEEE/ASME Transactions on Mechatronics	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
<input type="checkbox"/>	Loop-Closure Detection With a Multiresolution Point Cloud Histogram Mode in Lidar Odometry and Mapping for Intelligent Vehicles	Q. Meng and H. Guo and X. Zhao and D. Cao and H. Chen	IEEE/ASME Transactions on Mechatronics	2021	sousarbarb	17 May 2022 15:24:45	Duplicated
<input type="checkbox"/>	Loop Closure Detection by Compressed Sensing for Exploration of Mobile Robots in Outdoor Environments	A. N. Ravari and H. D. Taghirad	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated

BibTex Key ↗	Title	Author ↗	Journal	Year	Added by	Added at	Status ↗
	MIT Advanced Vehicle Technology Study: Large-Scale Naturalistic Driving Study of Driver Behavior and Interaction With Automation	L. Fridman and D. E. Brown and M. Glazer and W. Angell and S. Dodd and B. Jenik and J. Terwilliger and A. Patsekina and J. Kindelsberger and L. Ding and S. Seaman and A. Mehler and A. Sipperley and A. Pettinato and B. D. Seppelt and L. Angell and B. Mehler and B. Reimer	IEEE Access	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Network Uncertainty Informed Semantic Feature Selection for Visual SLAM	P. Ganti and S. L. Waslander	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	NaviGates: A benchmark for indoor navigation	R. M. Knotts and I. R. Nourbakhsh and R. C. Morris	Proceedings of the ASCE Specialty Conference on Robotics for Challenging Environments	1998	sousarbarb	18 May 2022 20:52:53	Duplicated
	Multi-domain airflow modeling and ventilation characterization using mobile robots, stationary sensors and machine learning	V. H. Bennetts and K. Kamarudin and T. Wiedemann and T. P. Kucner and S. L. Somisetty and A. J. Lilienthal	Sensors (Switzerland)	2019	sousarbarb	18 May 2022 20:52:53	Duplicated
	Multi-Domain Airflow Modeling and Ventilation Characterization Using Mobile Robots, Stationary Sensors and Machine Learning	V. H. Bennetts and K. Kamarudin and W. Thomas and T. P. Kucner and A. J. S. L. A. L. Somisetty	SENSORS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Monocular Localization in HD Maps by Combining Semantic Segmentation and Distance Transform	J.-H. Pauls and K. Petek and F. Poggenhans and C. Stiller	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Monocular Localization in HD Maps by Combining Semantic Segmentation and Distance Transform	J.-H. Pauls and K. Petek and F. Poggenhans and C. Stiller	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Molecular Imaging of endometrial sentinel lymph nodes utilizing fluorescent-labeled Tilmanocept during robotic-assisted surgery in a porcine model	K. M. Anderson and C. V. Barback and Z. Qin and D. J. Hall and C. K. Hoh and D. R. Vera and M. T. McHale	PLoS ONE	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Modest-vocabulary loop-closure detection with incremental bag of tracked words	K. A. Tsintotas and L. Bampis and A. Gasteratos	Robotics and Autonomous Systems	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	Molecular Imaging of endometrial sentinel lymph nodes utilizing fluorescent-labeled Tilmanocept during robotic-assisted surgery in a porcine model	K. M. Anderson and C. V. Barback and D. J. Z. A. H. Qin and C. K. Hoh and D. R. Vera and M. T. McHale	PLOS ONE	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Model-Aided Monocular Visual-Inertial State Estimation and Dense Mapping	K. Qiu and S. Shen	None	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
	Model-aided monocular visual-inertial state estimation and dense mapping	K. Qiu and S. Shen	2017 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2017	sousarbarb	17 May 2022 16:40:01	Duplicated
	Mining Visual Phrases for Visual Robot Localization	K. Tanaka and Y. Chokushi and M. Ando	Journal of Advanced Computational Intelligence and Intelligent Informatics	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Model-Aided Monocular Visual-Inertial State Estimation and Dense Mapping	K. Qiu and S. Shen	None	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
	Mobile robotics in the long term-exploring the fourth dimension	D. Austin and L. Fletcher and A. Zelinsky	Proceedings 2001 IEEE/RSJ International Conference on Intelligent Robots and Systems. Expanding the Societal Role of Robotics in the Next Millennium (Cat. No.01CH37180)	2001	sousarbarb	17 May 2022 16:40:00	Duplicated

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
		Mining DCNN landmarks for long-term visual SLAM		T. Taisho and T. Kanji		2016 IEEE International Conference on Robotics and Biomimetics (ROBIO). Proceedings		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Migratory birds-inspired navigation system for unmanned aerial vehicles		Y. Zhang and A. Chao and B. Zhao and H. Liu and X. Zhao		2016 IEEE International Conference on Information and Automation (ICIA). Proceedings		2016		sousarbarb		17 May 2022 16:40:02		Duplicated	
		Mining DCNN Landmarks for Long-Term Visual SLAM		T. Taisho and T. Kanji		None		2016		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Martian Fetch: Finding and retrieving sample-tubes on the surface of Mars		J. Papon and R. Detry and P. Vieira and S. Brooks and T. Srinivasan and A. Peterson and E. Kulczycki		2017 IEEE Aerospace Conference		2017		sousarbarb		17 May 2022 16:40:01		Duplicated	
		ORB-SLAM: A Versatile and Accurate Monocular SLAM System		R. Mur-Artal and J. M. M. Montiel and J. D. Tardos		IEEE Transactions on Robotics		2015		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Novel robust simultaneous localization and mapping for long-term autonomous robots		W. Wei and X. Zhu and Y. Wang		FRONTIERS OF INFORMATION TECHNOLOGY & ELECTRONIC ENGINEERING		2022		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Obstacle avoidance and path planning for humanoid robots using stereo vision		K. Sabe and M. Fukuchi and J.-S. Gutmann and T. Ohashi and K. Kawamoto and T. Yoshigahara		2004 IEEE International Conference on Robotics and Automation (IEEE Cat. No.04CH37508)		2004		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Nonlinear factor recovery for long-term SLAM		M. Mazuran and W. Burgard and G. D. Tipaldi		International Journal of Robotics Research		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Nonlinear factor recovery for long-term SLAM		M. Mazuran and W. Burgard and G. D. Tipaldi		INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Nonlinear Model Predictive Path-Following Controller for a Small-Scale Autonomous Bulldozer for Accurate Placement of Materials and Debris of Masonry in Construction Contexts		S. Khan and J. Guivant		IEEE ACCESS		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Navigation for Indoor Robot: Straight Line Movement via Navigator		C. Zhu and M. He and P. Chen and K. Sun and J. Wang and Q. Huang		Mathematical Problems in Engineering		2018		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Navigation for Indoor Robot: Straight Line Movement via Navigator		C. Zhu and M. He and P. Chen and K. Sun and J. Wang and Q. Huang		Mathematical Problems in Engineering		2018		sousarbarb		17 May 2022 15:59:20		Duplicated	
		NaviGates: A benchmark for indoor navigation		R. Knotts and I. Nourbakhsh and R. Morris		None		1998		sousarbarb		18 May 2022 17:01:46		Duplicated	
		NYU-VPR: Long-Term Visual Place Recognition Benchmark with View Direction and Data Anonymization Influences		D. Sheng and Y. Chai and X. Li and C. Feng and J. Lin and C. Silva and J.-R. Rizzo		None		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
		NYU-VPR: Long-Term Visual Place Recognition Benchmark with View Direction and Data Anonymization Influences		D. Sheng and Y. Chai and X. Li and C. Feng and L. Jianzhe and C. Silva and J.-R. Rizzo		None		2021		sousarbarb		18 May 2022 17:01:46		Duplicated	
		NASA Space Robotics Challenge 2 Qualification Round: An Approach to Autonomous Lunar Rover Operations		C. Kilic and B. M. R. and C. A. Tatsch and J. Beard and J. Strader and S. Das and D. Ross and Y. Gu and G. A. S. Pereira and J. N. Gross		IEEE Aerospace and Electronic Systems Magazine		2021		sousarbarb		17 May 2022 15:24:45		Duplicated	
		NYU-VPR: Long-Term Visual Place Recognition Benchmark with View Direction and Data Anonymization Influences		D. Sheng and Y. Chai and X. Li and C. Feng and J. Lin and C. Silva and J.-R. Rizzo		2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2021		sousarbarb		17 May 2022 16:40:00		Duplicated	

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
		Multiple map hypotheses for planning and navigating in non-stationary environments		T. Morris and F. Dayoub and P. Corke and G. Wyeth and B. Upcroft		None		2014		sousarbarb		17 May 2022 15:24:45		Duplicated	
		Multiple map hypotheses for planning and navigating in non-stationary environments		T. Morris and F. Dayoub and P. Corke and G. Wyeth and B. Upcroft		None		2014		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Multi-robot 6D graph SLAM connecting decoupled local reference filters		M. J. Schuster and C. Brand and H. Hirschmüller and M. Suppa and M. Beetz		None		2015		sousarbarb		17 May 2022 15:24:45		Duplicated	
		Multi-session Lake-Shore Monitoring in Visually Challenging Conditions		C. Pradalier and S. Aravecchia and F. Pomerleau		None		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Multi-domain airflow modeling and ventilation characterization using mobile robots, stationary sensors and machine learning		V. H. Bennetts and K. Kamarudin and T. Wiedemann and T. P. Kucner and S. L. Somisetty and A. J. Lilienthal		Sensors		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Past, Present, and Future of Simultaneous Localization and Mapping: Toward the Robust-Perception Age		C. Cadena and L. Carlone and H. Carrillo and Y. Latif and D. Scaramuzza and J. Neira and I. Reid and J. J. Leonard		IEEE Transactions on Robotics		2016		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Part-based SLAM for partially changing environments		C. Yuuto and T. Kanji and A. Masatoshi		2013 IEEE International Conference on Robotics and Biomimetics (ROBIO)		2013		sousarbarb		17 May 2022 16:40:00		Duplicated	
		PHALANX: Expendable projectile sensor networks for planetary exploration		M. Dille and D. Nuch and S. Gupta and S. McCabe and N. Verzic and T. Fong and U. Wong		2020 IEEE Aerospace Conference		2020		sousarbarb		17 May 2022 16:40:01		Duplicated	
		OpenRatSLAM: an open source brain-based SLAM system		D. Ball and S. Heath and J. Wiles and G. Wyeth and P. Corke and M. Milford		Autonomous Robots		2013		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Opportunistic sampling-based active visual SLAM for underwater inspection		S. M. Chaves and A. Kim and E. Galceran and R. M. Eustice		AUTONOMOUS ROBOTS		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
		OpenABLE: An Open-source Toolbox for Application in Life-Long Visual Localization of Autonomous Vehicles		R. Arroyo and P. F. Alcantarilla and L. M. Bergasa and E. Romera		2016 IEEE 19th International Conference on Intelligent Transportation Systems (ITSC)		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
		OpenABLE: An Open-source Toolbox for Application in Life-Long Visual Localization of Autonomous Vehicles		R. Arroyo and P. F. Alcantarilla and E. L. M. A. R. Bergasa		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Online and Incremental Appearance-based SLAM in Highly Dynamic Environments		A. Kawewong and N. Tongprasit and S. Tangruamsub and O. Hasegawa		The International Journal of Robotics Research		2011		sousarbarb		17 May 2022 15:59:19		Duplicated	
		Onboard Detection-Tracking-Localization		D. Tang and Q. Fang and L. Shen and T. Hu		IEEE/ASME Transactions on Mechatronics		2020		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Onboard Detection-Tracking-Localization		D. Tang and Q. Fang and L. Shen and T. Hu		IEEE/ASME Transactions on Mechatronics		2020		sousarbarb		17 May 2022 15:24:45		Duplicated	
		On the Redundancy Detection in Keyframe-Based SLAM		P. Schmuck and M. Chli		2019 International Conference on 3D Vision (3DV)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		On the Redundancy Detection in Keyframe-Based SLAM		P. Schmuck and M. Chli		None		2019		sousarbarb		17 May 2022 15:24:45		Duplicated	
		Omnidirectional Multisensory Perception Fusion for Long-Term Place Recognition		S. Siva and H. Zhang		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Omnidirectional Multisensory Perception Fusion for Long-Term Place Recognition		S. Siva and H. Zhang		2018 IEEE International Conference on Robotics and Automation (ICRA)		2018		sousarbarb		17 May 2022 16:40:01		Duplicated	

	Bibtex Key ↕	Title	↑	Author	↑	Journal	↑	Year	↑	Added by	↑	Added at	↑	Status	↑
□		Obstacle Persistent Adaptive Map Maintenance for Autonomous Mobile Robots using Spatio-temporal Reasoning		M. L. Pitsch and M. W. Pryor		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Obstacle Persistent Adaptive Map Maintenance for Autonomous Mobile Robots using Spatio-temporal Reasoning		M. L. Pitschl and M. W. Pryor		2019 IEEE 15th International Conference on Automation Science and Engineering (CASE)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Obstacle Persistent Adaptive Map Maintenance for Autonomous Mobile Robots using Spatio-temporal Reasoning*		M. L. Pitschl and M. W. Pryor		None		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Preventing and Correcting Mistakes in Lifelong Mapping		N. Banerjee and D. Lisin and V. Albanese and Z. Zhu and S. R. Lenser and J. Shriner and T. Ramaswamy and J. Briggs and P. Fong		2021 European Conference on Mobile Robots (ECMR)		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Radar-on-Lidar: metric radar localization on prior lidar maps		H. Yin and Y. Wang and L. Tang and R. Xiong		2020 IEEE International Conference on Real-time Computing and Robotics (RCAR)		2020		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Predictive and adaptive maps for long-term visual navigation in changing environments		L. Halodova and E. Dvorakova and F. Majer and T. Vintr and O. M. Mozos and F. Dayoub and T. Krajnik		None		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Predictive and adaptive maps for long-term visual navigation in changing environments		L. Halodova and E. Dvorakova and F. Majer and T. Vintr and O. M. Mozos and F. Dayoub and T. Krajnik		2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Position-invariant robust features for long-term recognition of dynamic outdoor scenes		A. Kawewong and S. Tangruamsub and O. Hasegawa		IEICE Transactions on Information and Systems		2010		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Position-Invariant Robust Features for Long-Term Recognition of Dynamic Outdoor Scenes		A. KAWEWONG and S. TANGRUAMSUB and O. HASEGAWA		IEICE Transactions on Information and Systems		2010		sousarbarb		17 May 2022 15:59:19		Duplicated	
□		PoseMap: Lifelong, Multi-Environment 3D LiDAR Localization		P. Egger and P. V. K. Borges and G. Catt and A. Pfunder and R. Siegwart and R. Dubé		None		2018		sousarbarb		17 May 2022 15:25:30		Duplicated	
□		Pole-like Objects Mapping and Long-Term Robot Localization in Dynamic Urban Scenarios		Z. Wang and S. Li and M. Cao and H. Chen and Y. Liu		None		2021		sousarbarb		17 May 2022 15:25:56		Duplicated	
□		Pole-based Localization for Autonomous Vehicles in Urban Scenarios		R. Spangenberg and D. Goehring and R. Rojas		2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Pole-based Localization for Autonomous Vehicles in Urban Scenarios		R. Spangenberg and D. Goehring and R. Rojas		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Persistent localization and life-long mapping in changing environments using the Frequency Map Enhancement		T. Krajnik and J. P. Fentanes and M. Hanheide and T. Duckett		2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Preliminary field trials of autonomous path following		P. King and B. Anstey and A. Vardy		2014 IEEE/OES Autonomous Underwater Vehicles (AUV)		2014		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Predictive and adaptive maps for long-term visual navigation in changing environments		L. Halodova and E. Dvorakova and F. Majer and O. M. T. A. M. Vintr and F. Dayoub and T. Krajnik		None		2019		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Performance Analysis of Feature Detectors and Descriptors in Underwater and Polar Environments		V. Shah and J. Nir and P. Kaveti and H. Singh		OCEANS 2021: San Diego - Porto		2021		sousarbarb		17 May 2022 16:40:02		Duplicated	

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	Panoramic Visual-Inertial SLAM Tightly Coupled with a Wheel Encoder	F. Jiang and J. Chen and S. Ji	ISPRS Journal of Photogrammetry and Remote Sensing	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	PERSES - a vision-based interactive mobile shopping assistant	H. Gross and H. Boehme	None	2000	sousarbarb	18 May 2022 17:01:46	Duplicated
	Optical Flow Localisation and Appearance Mapping (OFLAAM) for Long-term Navigation	D. Pastor-Moreno and H.-S. Shin and A. Waldock	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
	Relocalization With Submaps: Multi-Session Mapping for Planetary Rovers Equipped With Stereo Cameras	R. Giubilato and M. Vayugundla and W. M. J. A. S. Schuster and A. Wedler and R. Triebel and D. Stefano	IEEE ROBOTICS AND AUTOMATION LETTERS	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
	Relocalization With Submaps: Multi-Session Mapping for Planetary Rovers Equipped With Stereo Cameras	R. Giubilato and M. Vayugundla and M. J. Schuster and W. Strzl and A. Wedler and R. Triebel and S. Debei	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Recurrent-OctoMap: Learning State-Based Map Refinement for Long-Term Semantic Mapping With 3-D-Lidar Data	L. Sun and Z. Yan and A. Zaganidis and C. Zhao and T. Duckett	IEEE Robotics and Automation Letters	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
	Real-time dense map fusion for stereo SLAM	T. Pire and R. Baravalle and A. D'Alessandro and J. Civera	Robotica	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Real-time dense map fusion for stereo SLAM	T. Pire and R. Baravalle and A. D'Alessandro and J. Civera	Robotica	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Real-Time, Environmentally-Robust 3D LiDAR Localization	Y. Zhu and B. Xue and L. Zheng and M. H. A. L. Huang and R. Fan	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Real-time dense map fusion for stereo SLAM	T. Pire and R. Baravalle and A. D'Alessandro and C. Javier	ROBOTICA	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Real-Time, Environmentally-Robust 3D LiDAR Localization	Y. Zhu and B. Xue and L. Zheng and H. Huang and M. Liu and R. Fan	None	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
	Real-Time, Environmentally-Robust 3D LiDAR Localization	Y. Zhu and B. Xue and L. Zheng and H. Huang and M. Liu and R. Fan	2019 IEEE International Conference on Imaging Systems and Techniques (IST). Proceedings	2019	sousarbarb	17 May 2022 16:40:02	Duplicated
	Real-Time Robot Localization Based on 2D Lidar Scan-to-Submap Matching	Q. Li and J. Huai and D. Chen and Y. Zhuang	China Satellite Navigation Conference (CSNC 2021). Proceedings. Lecture Notes in Electrical Engineering (LNEE 773)	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
	Rao-Blackwellized Gaussian Sum Particle Filtering for Multipath Assisted Positioning	M. Ulmschneider and C. Gentner and T. Jost and A. Dammann	Journal of Electrical and Computer Engineering	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Range-Focused Fusion of Camera-IMU-UWB for Accurate and Drift-Reduced Localization	T. H. Nguyen and T.-M. Nguyen and L. Xie	IEEE ROBOTICS AND AUTOMATION LETTERS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
	Radar-to-Lidar: Heterogeneous Place Recognition via Joint Learning	H. Yin and X. Xu and Y. Wang and R. Xiong	Frontiers in Robotics and AI	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
	RTAB-Map as an open-source lidar and visual simultaneous localization and mapping library for large-scale and long-term online operation	M. Labbe and F. Michaud	Journal of Field Robotics	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Quantitative Performance Optimisation for Corner and Edge Based Robotic Vision Systems: A Monte-Carlo Simulation	J. Tian and N. Thacker and A. Stancu	Advances in Visual Computing, 12th International Symposium, ISVC 2016. Proceedings: LNCS 10073	2016	sousarbarb	17 May 2022 16:40:01	Duplicated

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	Quantitative Performance Optimisation for Corner and Edge Based Robotic Vision Systems: A Monte-Carlo Simulation	J. Tian and N. Thacker and A. Stancu	None	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
	Robust Relocalization Based on Active Loop Closure for Real-Time Monocular SLAM	X. Chen and H. Lu and J. Xiao and H. Zhang and P. Wang	None	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
	Robust Place Recognition and Loop Closing in Laser-Based SLAM for UGVs in Urban Environments	F. Cao and Y. Zhuang and H. Zhang and W. Wang	IEEE Sensors Journal	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Robust outdoor visual localization using a three-dimensional-edge map	S. Nuske and J. Roberts and G. Wyeth	Journal of Field Robotics	Sept.2009	sousarbarb	17 May 2022 16:40:01	Duplicated
	Robust Method for Static 3D Point Cloud Map Building using Multi-View Images with Multi-Resolution	C. Yao and H. Zhu and S. Lv and D. Zhang and Z. Jia	None	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
	Robust Loop-Closure Detection with a Learned Illumination Invariant Representation for Robot vSLAM	S. Chen and J. Wu and Y. Wang and L. Zhou and L. Qinghua and Y. Zhang	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
	Robust Loop-Closure Detection with a Learned Illumination Invariant Representation for Robot vSLAM	S. Chen and J. Wu and Y. Wang and L. Zhou and Q. Lu and Y. Zhang	2019 IEEE 4th International Conference on Advanced Robotics and Mechatronics (ICARM)	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Robust Long-Term Registration of UAV Images of Crop Fields for Precision Agriculture	N. Chebrolu and T. Laebe and C. Stachniss	IEEE ROBOTICS AND AUTOMATION LETTERS	2018	sousarbarb	18 May 2022 17:01:46	Duplicated
	Robotic discovery of the auditory scene	E. Martinson and A. Schultz	2007 IEEE International Conference on Robotics and Automation (IEEE Cat No. 07CH37836D)	2007	sousarbarb	17 May 2022 16:40:00	Duplicated
	Robotic discovery of the auditory scene	E. Martinson and A. Schultz	None	2007	sousarbarb	18 May 2022 17:01:46	Duplicated
	Robot-Assisted Backscatter Localization for IoT Applications	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	IEEE Transactions on Wireless Communications	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Robot-Assisted Backscatter Localization for IoT Applications	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	IEEE Transactions on Wireless Communications	2020	sousarbarb	17 May 2022 15:25:30	Duplicated
	Research on object recognition using bag of word model for mobile robot navigation	J.-F. Yang and K. Wang and M.-A. Li and L. Liu	None	2011	sousarbarb	17 May 2022 15:25:06	Duplicated
	Robot-assisted Backscatter Localization for IoT Applications [arXiv]	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
	Review of Underwater SLAM Techniques	F. Hidalgo and T. Braeunl	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
	Research on object recognition using bag of word model for mobile robot navigation	J.-F. Yang and K. Wang and M.-A. Li and L. Liu	Proceedings of the 2011 IEEE International Conference on Mechatronics and Automation (ICMA 2011)	2011	sousarbarb	17 May 2022 16:40:01	Duplicated
	Research of large-scale offline map management in visual SLAM	Q. Shen and H. Sun and P. Ye	None	2017	sousarbarb	17 May 2022 15:25:06	Duplicated
	Relocalization With Submaps: Multi-Session Mapping for Planetary Rovers Equipped With Stereo Cameras	R. Giubilato and M. Vayugundla and M. J. Schuster and W. Stuumrlz and A. Wedler and R. Triebel and S. Debei	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
	Review of underwater SLAM techniques	F. Hidalgo and T. Braeunl	2015 6th International Conference on Automation, Robotics and Applications (ICARA). Proceedings	2015	sousarbarb	17 May 2022 16:40:00	Duplicated

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		Scale-preserving long-term visual odometry for indoor navigation		S. Hilsenbeck and A. Möller and R. Huitl and G. Schroth and M. Kranz and E. Steinbach		None		2012		sousarbarb		17 May 2022 15:25:06		Duplicated	
		Scalable Change Detection from 3D Point Cloud Maps: Invariant Map Coordinate for Joint Viewpoint-Change Localization		T. Yoshiki and T. Kanji and Y. Naiming		None		2018		sousarbarb		17 May 2022 15:25:06		Duplicated	
		SRAL: Shared Representative Appearance Learning for Long-Term Visual Place Recognition		F. Han and X. Yang and Y. Deng and M. Rentschler and D. Yang and H. Zhang		IEEE Robotics and Automation Letters		2017		sousarbarb		17 May 2022 15:59:20		Duplicated	
		SLAMinDB: Centralized graph databases for mobile robotics		D. Fourie and S. Claassens and S. Pillai and R. Mata and J. Leonard		2017 IEEE International Conference on Robotics and Automation (ICRA)		2017		sousarbarb		17 May 2022 16:40:00		Duplicated	
		SLAM - Loop closing with visually salient features		P. Newman and K. Ho		None		2005		sousarbarb		18 May 2022 17:01:46		Duplicated	
		SGC-VSLAM: A Semantic and Geometric Constraints VSLAM for Dynamic Indoor Environments		S. Yang and G. Fan and L. Bai and C. Zhao and D. Li		Sensors		2020		sousarbarb		17 May 2022 15:59:20		Duplicated	
		SDF-Loc: signed Distance Field based 2D Relocalization and Map Update in Dynamic Environments		M. Zhang and Y. Chen and M. Li		2019 American Control Conference (ACC)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Robust mobile robot localization in highly non-static environments		J.-S. Lee and W. K. Chung		Autonomous Robots		2010		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Robust loop closing over time for pose graph SLAM		Y. Latif and C. Cadena and J. Neira		International Journal of Robotics Research		2013		sousarbarb		17 May 2022 16:40:02		Duplicated	
		Robust loop closing over time for pose graph SLAM		Y. Latif and C. Cadena and J. Neira		INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH		2013		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Robust loop closing over time for pose graph SLAM		Y. Latif and C. Cadena and J. Neira		The International Journal of Robotics Research		2013		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Robust and Long-term Monocular Teach and Repeat Navigation using a Single-experience Map		L. Sun and M. Taher and C. Wild and C. Zhao and Y. Zhang and F. Majer and Z. Yan and T. Krajnik and T. Prescott and T. Duckett		2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2021		sousarbarb		17 May 2022 16:40:01		Duplicated	
		Robust asynchronous temporal event mapping		F. Schill and U. R. Zimmer		Proceedings IEEE/RSJ International Conference on Intelligent Robots and Systems (Cat. No.02CH37332C)		2002		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Robust and Accurate Monocular Vision-Based Localization in Outdoor Environments of Real-World Robot Challenge		A. Sujiwo and E. Takeuchi and L. Y. Morales and A. Naoki and H. Darweesh and Y. Ninomiya and M. Edahiro		JOURNAL OF ROBOTICS AND MECHATRONICS		2017		sousarbarb		18 May 2022 17:01:46		Duplicated	
		Robust and Accurate Monocular Vision-Based Localization in Outdoor Environments of Real-World Robot Challenge		A. Sujiwo and E. Takeuchi and L. Y. Morales and N. Akai and H. Darweesh and Y. Ninomiya and M. Edahiro		Journal of Robotics and Mechatronics		2017		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Robust sound source mapping using three-layered selective audio rays for mobile robots		D. Su and K. Nakamura and K. Nakadai and J. V. Miro		2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2016		sousarbarb		17 May 2022 16:40:00		Duplicated	
		Simultaneous Localization and Mapping for Inspection Robots in Water and Sewer Pipe Networks: A Review		J. M. Aitken and M. H. Evans and R. Worley and S. Edwards and R. Zhang and T. Dodd and L. Mihaylova and S. R. Anderson		IEEE Access		2021		sousarbarb		17 May 2022 15:59:20		Duplicated	
		Simultaneous localisation and mapping on the great barrier reef		S. Williams and I. Mahon		None		2004		sousarbarb		18 May 2022 17:01:46		Duplicated	

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		Simultaneous localisation and mapping on the Great Barrier Reef	S. Williams and I. Mahon	2004 IEEE International Conference on Robotics and Automation (IEEE Cat. No.04CH37508)	2004	sousarbarb	17 May 2022 16:40:01	Duplicated
		ShopBot: Progress in Developing an Interactive Mobile Shopping Assistant for Everyday Use	H.-M. Gross and H.-J. Boehme and C. Schroeter and S. Mueller and A. Koenig and C. Martin and M. Merten and A. Bley	None	2008	sousarbarb	17 May 2022 15:59:20	Duplicated
		ShopBot: Progress in developing an interactive mobile shopping assistant for everyday use	H.-M. Gross and H.-J. Boehme and C. Schroeter and S. Mueller and A. Koenig and C. Martin and M. Merten and A. Bley	None	2008	sousarbarb	17 May 2022 15:24:45	Duplicated
		ShopBot: progress in developing an interactive mobile shopping assistant for everyday use	H.-M. Gross and H.-J. Boehme and C. Schroeter and S. Mueller and A. Koenig and C. Martin and M. Merten and A. Bley	2008 IEEE International Conference on Systems, Man and Cybernetics (SMC 2008)	2008	sousarbarb	17 May 2022 16:40:00	Duplicated
		Sequence-based mapping for probabilistic visual loop-closure detection	K. A. Tsintotas and L. Bampis and S. An and G. F. Fragulis and S. G. Mouroutsos and A. Gasteratos	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
		Sensors, SLAM and Long-term Autonomy: A Review	M. Zaffar and S. Ehsan and R. Stolkin and K. M. Maier	None	2018	sousarbarb	17 May 2022 15:25:30	Duplicated
		Semi-Direct Monocular SLAM With Three Levels of Parallel Optimizations	S. Lu and Y. Zhi and S. Zhang and R. He and B. Zhipeng	IEEE ACCESS	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
		Semantics-aware visual localization under challenging perceptual conditions	T. Naseer and G. L. Oliveira and T. Brox and W. Burgard	None	2017	sousarbarb	17 May 2022 15:25:06	Duplicated
		SemanticFusion: Dense 3D Semantic Mapping with Convolutional Neural Networks	J. McCormac and A. Handa and A. Davison and S. Leutenegger	None	2017	sousarbarb	17 May 2022 15:59:20	Duplicated
		Self Localization Based On Neighborhood Probability Mapping for Humanoid Robot	M. Jiono and Y. D. Mahandi and S. N. Mustika and S. Sendari and A. M. Dzikri	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
		Selective Combination of Visual and Thermal Imaging for Resilient Localization in Adverse Conditions: Day and Night, Smoke and Fire	C. Brunner and T. Peynot and T. Vidalâ€ Calleja and J. Underwood	Journal of Field Robotics	2013	sousarbarb	17 May 2022 15:59:20	Duplicated
		Self-Supervised Learning of Lidar Segmentation for Autonomous Indoor Navigation	H. Thomas and B. Agro and M. Gridseth and T. D. J. A. B. Zhang	None	2021	sousarbarb	18 May 2022 17:01:46	Duplicated
		Segmented Matching Method of Multi-Geophysics Field SLAM Data Based on LSTM	Z. Li and H. Yu and T. Shen and Z. Li	2020 3rd International Conference on Unmanned Systems (ICUS)	2020	sousarbarb	17 May 2022 16:40:02	Duplicated
		Self Localization Based On Neighborhood Probability Mapping for Humanoid Robot	M. Jiono and Y. D. Mahandi and S. N. Mustika and S. Sendari and A. M. Dzikri	2020 4th International Conference on Vocational Education and Training (ICOVET)	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
		Season-Invariant and Viewpoint-Tolerant LiDAR Place Recognition in GPS-Denied Environments	F. Cao and F. Yan and S. Wang and Y. Zhuang and W. Wang	IEEE Transactions on Industrial Electronics	2021	sousarbarb	17 May 2022 15:25:06	Duplicated
		Tightly Coupled Semantic RGB-D Inertial Odometry for Accurate Long-Term Localization and Mapping	N. Patel and F. Khorrami and A. P. A. T. Krishnamurthy	None	2019	sousarbarb	18 May 2022 17:01:46	Duplicated

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	THE ENVIRONMENTAL ASPECTS OF SUBURB AREAS' DEVELOPMENT	B. Kadlecak and M. Ruzicka and M. Kotek	None	2013	sousarbarb	18 May 2022 17:01:46	Duplicated
	Switchable constraints vs. max-mixture models vs. RRR - A comparison of three approaches to robust pose graph SLAM	N. Sunderhauf and P. Protzel	2013 IEEE International Conference on Robotics and Automation (ICRA)	2013	sousarbarb	17 May 2022 16:40:01	Duplicated
	Survey on advances on terrain based navigation for autonomous underwater vehicles	J. Melo and A. Matos	Ocean Engineering	2017	sousarbarb	17 May 2022 16:40:01	Duplicated
	The Autonomous City Explorer (ACE) Project - Mobile Robot Navigation in Highly Populated Urban Environments	G. Lidoris and F. Rohrmueller and D. Wollherr and B. Martin	None	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
	Subjective local maps for hybrid metric-topological SLAM	J. L. Blanco and J. González and J.-A. Fernández-Madrigal	Robotics and Autonomous Systems	2009	sousarbarb	17 May 2022 15:59:20	Duplicated
	Stabilize an Unsupervised Feature Learning for LiDAR-based Place Recognition	P. Yin and L. Xu and Z. Liu and L. Li and H. Salman and Y. He and W. Xu and H. Wang and H. Choset	None	2018	sousarbarb	17 May 2022 15:59:20	Duplicated
	Summary Maps for Lifelong Visual Localization	P. Muhlfellner and M. Burki and M. Bosse and W. Derendarz and R. Philippsen and P. Furgale	Journal of Field Robotics	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
	Structure-SLAM: Low-Drift Monocular SLAM in Indoor Environments	Y. Li and N. Brasch and Y. Wang and N. Navab and F. Tombari	IEEE Robotics and Automation Letters	2020	sousarbarb	17 May 2022 16:40:02	Duplicated
	Stabilize an Unsupervised Feature Learning for LiDAR-based Place Recognition	P. Yin and L. Xu and Z. Liu and L. Li and H. Salman and Y. He and W. Xu and H. Wang and H. Choset	2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Stabilization of dendritic mRNAs by nitric oxide allows localized, activity-dependent enhancement of hippocampal protein synthesis	B. Morris	EUROPEAN JOURNAL OF NEUROSCIENCE	1997	sousarbarb	18 May 2022 17:01:46	Duplicated
	Sparse optimization for robust and efficient loop closing	Y. Latif and G. Huang and J. Leonard and J. Neira	Robotics and Autonomous Systems	2017	sousarbarb	17 May 2022 16:40:02	Duplicated
	Sparse Gaussian Process SLAM, Storage and Filtering for AUV Multibeam Bathymetry	N. Bore and I. Torroba and J. Folkesson	2018 IEEE/OES Autonomous Underwater Vehicle Workshop (AUV). Proceedings	2018	sousarbarb	17 May 2022 16:40:01	Duplicated
	Simultaneous map building and localization for an autonomous mobile robot	J. J. Leonard and H. F. Durrant-Whyte	None	1991	sousarbarb	17 May 2022 15:59:20	Duplicated
	Simultaneous Localization and Mapping: A Survey of Current Trends in Autonomous Driving	G. Bresson and Z. Alsayed and L. Yu and S. Glaser	IEEE TRANSACTIONS ON INTELLIGENT VEHICLES	2017	sousarbarb	18 May 2022 17:01:46	Duplicated
	Simultaneous Localization and Mapping for Inspection Robots in Water and Sewer Pipe Networks: A Review	J. M. Aitken and M. H. Evans and R. Worley and S. Edwards and R. Zhang and T. Dodd and L. Mihaylova and S. R. Anderson	IEEE Access	2021	sousarbarb	17 May 2022 16:40:01	Duplicated
	Simultaneous Localization and Change Detection for Long-Term Map Learning: A Scalable Scene Retrieval Approach	K. Tanaka	None	2018	sousarbarb	17 May 2022 15:25:06	Duplicated
	Towards Persistent Localization and Mapping with a Continuous Appearance-Based Topology	W. Maddern and M. Milford and G. Wyeth	2012 Robotics: Science and Systems	2013	sousarbarb	17 May 2022 16:40:02	Duplicated
	Toward Long-Term, Automated Ship Hull Inspection with Visual SLAM, Explicit Surface Optimization, and Generic Graph-Sparsification	P. Ozog and R. M. Eustice	None	2014	sousarbarb	17 May 2022 15:59:20	Duplicated
	Topographic SLAM Using a Single Terrain Altimeter in GNSS-Restricted Environment	J. Jang and J. Kim	IEEE Access	2022	sousarbarb	17 May 2022 16:40:01	Duplicated
	Topographic SLAM Using a Single Terrain Altimeter in GNSS-Restricted Environment	J. Jang and J. Kim	IEEE ACCESS	2022	sousarbarb	18 May 2022 17:01:46	Duplicated

<input type="checkbox"/> Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□	Toward Long-term, Automated Ship Hull Inspection with Visual SLAM, Explicit Surface Optimization, and Generic Graph-Sparsification	P. Ozog and R. M. Eustice	None	2014	sousarbarb	18 May 2022 17:01:46	Duplicated
□	Topological local-metric framework for mobile robots navigation: a long term perspective	L. Tang and Y. Wang and X. Ding and H. Yin and S. R. A. H. Xiong	AUTONOMOUS ROBOTS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□	Topographic SLAM Using a Single Terrain Altimeter in GNSS-Restricted Environment	J. Jang and J. Kim	IEEE Access	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
□	Tightly-Coupled Monocular Visual-Odometric SLAM Using Wheels and a MEMS Gyroscope	M. Quan and S. Piao and M. Tan and S.-S. Huang	IEEE ACCESS	2019	sousarbarb	18 May 2022 17:01:46	Duplicated
□	Tightly Coupled Semantic RGB-D Inertial Odometry for Accurate Long-Term Localization and Mapping	N. Patel and F. Khorrami and P. Krishnamurthy and A. Tzes	2019 19th International Conference on Advanced Robotics (ICAR). Proceedings	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
□	The MIT Stata Center dataset	M. Fallon and H. Johannsson and M. Kaess and J. J. Leonard	International Journal of Robotics Research	2013	sousarbarb	17 May 2022 16:40:01	Duplicated
□	The gist of maps - summarizing experience for lifelong localization	M. Dymczyk and S. Lynen and T. Cieslewski and M. Bosse and R. Siegwart and P. Furgale	2015 IEEE International Conference on Robotics and Automation (ICRA). Proceedings	2015	sousarbarb	17 May 2022 16:40:01	Duplicated
□	The Implementation of IMU/Stereo Vision Slam System for Mobile Robot	H. Juan-Rou and W. Zhan-Qing	None	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
□	The Gist of Maps - Summarizing Experience for Lifelong Localization	M. Dymczyk and S. Lynen and T. Cioslewski and M. Bosse and S. Roland and P. Furgale	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
□	The Canadian Planetary Emulation Terrain Energy-Aware Rover Navigation Dataset	O. Lamarre and O. Limoyo and F. Maric and J. Kelly	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2020	sousarbarb	18 May 2022 17:01:46	Duplicated
□	The autonomous city explorer (ACE) project - mobile robot navigation in highly populated urban environments	G. Lidoris and F. Rohrmuller and D. Wollherr and M. Buss	2009 IEEE International Conference on Robotics and Automation (ICRA)	2009	sousarbarb	17 May 2022 16:40:00	Duplicated
□	The Autonomous City Explorer (ACE) project — mobile robot navigation in highly populated urban environments	G. Lidoris and F. Rohrmuller and D. Wollherr and M. Buss	None	2009	sousarbarb	17 May 2022 15:24:45	Duplicated
□	Texture-Aware SLAM Using Stereo Imagery and Inertial Information	T. Manderson and F. Shkurti and G. Dudek	2016 13th Conference on Computer and Robot Vision (CRV)	2016	sousarbarb	17 May 2022 16:40:01	Duplicated
□	Uncalibrated monocular based simultaneous localization and mapping for indoor autonomous mobile robot navigation	S. Fu and G. Yang	2009 International Conference on Networking, Sensing and Control	2009	sousarbarb	17 May 2022 16:40:01	Duplicated
□	UcoSLAM: Simultaneous localization and mapping by fusion of keypoints and squared planar markers	R. Munoz-Salinas and R. Medina-Carnicer	Pattern Recognition	2020	sousarbarb	17 May 2022 16:40:01	Duplicated
□	Two-Stage Focused Inference for Resource-Constrained Collision-Free Navigation	B. Mu and A.-A. Agha-mohammadi and L. Paull and G. Matthew and J. How and J. Leonard	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
□	Towards a robust Visual SLAM Approach: Addressing the Challenge of life-long Operation	S. Hochdorfer and C. Schlegel	None	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
□	Towards lifelong visual maps	K. Konolige and J. Bowman	2009 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2009)	2009	sousarbarb	17 May 2022 16:40:01	Duplicated
□	Towards life-long mapping of dynamic environments using temporal persistence modeling	G. Tsamis and I. Kostavelis and D. Giakoumis and D. Tzovaras	None	2021	sousarbarb	17 May 2022 15:59:20	Duplicated

	Bibtext Key ↕	Title	↔	Author	↔	Journal	↔	Year	↔	Added by	↔	Added at	↔	Status	↔
□		Towards a robust visual SLAM approach: addressing the challenge of life-long operation		S. Hochdorfer and C. Schlegel		2009 14th International Conference on Advanced Robotics (ICAR 2009)		2009		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Towards lifelong feature-based mapping in semi-static environments		D. M. Rosen and J. Mason and J. J. Leonard		2016 IEEE International Conference on Robotics and Automation (ICRA)		2016		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Towards life-long visual localization using an efficient matching of binary sequences from images		R. Arroyo and P. F. Alcantarilla and L. M. Bergasa and E. Romera		2015 IEEE International Conference on Robotics and Automation (ICRA). Proceedings		2015		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Towards Lifelong Feature-Based Mapping in Semi-Static Environments		D. M. Rosen and J. Mason and J. J. Leonard		None		2016		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Towards Life-Long Visual Localization using an Efficient Matching of Binary Sequences from Images		R. Arroyo and P. F. Alcantarilla and E. L. M. A. R. Bergasa		None		2015		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Towards exteroceptive based localisation		D. Spero and R. Jarvis		None		2004		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Towards exteroceptive based localisation		D. J. Spero and R. A. Jarvis		2004 IEEE Conference on Robotics, Automation and Mechatronics (IEEE Cat. No.04EX913)		2005		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Towards Elderly Assistance Identification for Service Robot Using Combination of Mappings		I. M. Murwantara and B. Hardjono and A. S. Putra and H. Tjahyadi		None		2019		sousarbarb		17 May 2022 15:31:55		Duplicated	
□		Towards background flow based AUV localization		Z. Song and K. Mohseni		None		2014		sousarbarb		18 May 2022 17:01:46		Duplicated	
□		Towards exteroceptive based localisation		D. J. Spero and R. A. Jarvis		None		2004		sousarbarb		17 May 2022 15:24:45		Duplicated	
□		Towards background flow based AUV localization		Z. Song and K. Mohseni		2014 IEEE 53rd Annual Conference on Decision and Control (CDC)		2014		sousarbarb		17 May 2022 16:40:02		Duplicated	
□		Visual topometric localization		H. Badino and D. Huber and T. Kanade		2011 IEEE Intelligent Vehicles Symposium (IV)		2011		sousarbarb		17 May 2022 16:40:00		Duplicated	
□		Will it last? Learning stable features for long-term visual localization		M. Dymczyk and E. Stumm and J. Nieto and R. Siegwart and I. Gilitschenski		2016 Fourth International Conference on 3D Vision (3DV). Proceedings		2016		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Visual topometric localization		H. Badino and D. Huber and T. Kanade		None		2011		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Visual SLAM With Drift-Free Rotation Estimation in Manhattan World		J. Liu and Z. Meng		IEEE Robotics and Automation Letters		2020		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Visual robot localization using compact binary landmarks		K. Ikeda and K. Tanaka		2010 IEEE International Conference on Robotics and Automation (ICRA 2010)		2010		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Visual Odometry : Part II: Matching, Robustness, Optimization, and Applications		F. Fraundorfer and D. Scaramuzza		IEEE Robotics & Automation Magazine		2012		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Visual Memory Update for Life-Long Mobile Robot Navigation		J. Courbon and H. Korrappati and Y. Mezouar		None		2013		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		Visual memory update for life-long mobile robot navigation		J. Courbon and H. Korrappati and Y. Mezouar		Studies in Computational Intelligence		2013		sousarbarb		18 May 2022 20:52:52			
□		Visual Localization Using Sparse Semantic 3D Map [arXiv]		T. Shi and S. Shen and X. Gao and L. Zhu		arXiv		2019		sousarbarb		17 May 2022 15:59:20		Duplicated	
□		View management for lifelong visual maps		N. Banerjee and R. C. Connolly and D. Lisin and J. Briggs and M. E. Munich		2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	
□		Visual SLAM With Drift-Free Rotation Estimation in Manhattan World		J. Liu and Z. Meng		IEEE Robotics and Automation Letters		2020		sousarbarb		17 May 2022 15:25:06		Duplicated	
□		Visual Localization Using Sparse Semantic 3D Map		T. Shi and S. Shen and X. Gao and L. Zhu		2019 IEEE International Conference on Image Processing (ICIP). Proceedings		2019		sousarbarb		17 May 2022 16:40:01		Duplicated	

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	SolarSLAM: battery-free loop closure for indoor localisation	B. Wei and W. Xu and C. Luo and G. Zoppi and D. Ma and S. Wang	2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2020	sousarbarb	17 May 2022 16:40:00	Duplicated
	Using UHF-RFID Signals for Robot Localization Inside Pipelines [TechRxiv]	A. Gunatilake and K. Thiagarajan and S. kodagoda and L. Piyathilaka and P. Darji [TechRxiv]	TechRxiv	2021	sousarbarb	17 May 2022 15:59:19	Duplicated
	Updating the visibility of a feature-based map for long-term maintenance	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	2019 IEEE Intelligent Vehicles Symposium (IV)	2019	sousarbarb	17 May 2022 16:40:01	Duplicated
	Underwater Robot Visual Place Recognition in the Presence of Dramatic Appearance Change	J. Li and R. M. Eustice and M. Johnson-Roberson	OCEANS 2015 - MTS/IEEE Washington	2015	sousarbarb	17 May 2022 16:40:01	Duplicated
	Underwater robot visual place recognition in the presence of dramatic appearance change	J. Li and R. M. Eustice and M. Johnson-Roberson	None	2015	sousarbarb	17 May 2022 15:59:20	Duplicated
	Uncalibrated Monocular based Simultaneous Localization and Mapping for Indoor Autonomous Mobile Robot Navigation	S. Fu and G. Yang	None	2009	sousarbarb	18 May 2022 17:01:46	Duplicated
	Global analysis of research trends on kidney function after nephron-sparing surgery: A bibliometric and visualised study	F. Abushamma and A. Barqawi and S. W. Al-Jabi and M. Akkawi and M. Maree and S. H. Zyoud	Cancer Management and Research	2021	sousarbarb	18 May 2022 20:52:52	Rejected
	Comparative analysis of different mobile LiDAR mapping systems for ditch line characterization	Y.-C. Lin and R. Manish and D. Bullock and A. Habib	Remote Sensing	2021	sousarbarb	18 May 2022 20:52:53	Rejected
	Autonomous vehicle localization with prior visual point cloud map constraints in gnss-challenged environments	X. Lin and F. Wang and B. Yang and W. Zhang	Remote Sensing	2021	sousarbarb	18 May 2022 20:52:53	Accepted
	Creation of a Prototype of a Multi-function Remote Presence Robot for Physical Research in Electronics [Створення прототипу багатофункціонального віддаленого робота присутності для фізичних досліджень у електроніці]	V. M. Beresnev and V. A. Chekubasheva and O. V. Glukhov and O. O. Kravchuk	Journal of Nano- and Electronic Physics	2021	sousarbarb	18 May 2022 20:52:53	Rejected
	Localization in unstructured environments: Towards autonomous robots in forests with Delaunay triangulation	Q. Li and P. Nevalainen and J. P. Queraltá and J. Heikkonen and T. Westerlund	Remote Sensing	2020	sousarbarb	18 May 2022 20:52:53	Accepted
	Subfornical organ interleukin 1 receptor: A novel regulator of spontaneous and conditioned fear associated behaviors in mice	K. M. J. McMurray and A. Winter and R. Ahlbrand and A. Wilson and S. Shukla and R. Sah	Brain, Behavior, and Immunity	2022	sousarbarb	18 May 2022 20:52:52	Rejected
	Simultaneous localization and tracking algorithm utilizing FastSLAM framework for autonomous underwater vehicles	L. Jian and C. Xu and L. Tong and M. Cheng-xian and H. Jin-xin	Control Theory & Applications	2020	sousarbarb	17 May 2022 16:40:01	Rejected
	An autonomous vision-based localization and control system for quadrotor UAV	M. Cao and B. Xian and X. Zhang and X. Wen	Information and Control	2015	sousarbarb	18 May 2022 20:52:52	Rejected
	Fast simultaneous localization and mapping based on iterative extended Kalman filter proposal distribution and linear optimization resampling	H.-J. Wang and J. Wang and Z.-Y. Liu	Dianzi Yu Xinxì Xuebao/Journal of Electronics and Information Technology	2014	sousarbarb	18 May 2022 20:52:52	Rejected
	Binocular localization of indoor robot based on artificial offline feature-database	Z. Zhang and L. Zhang and L. Su and W. Guo	Harbin Gongcheng Daxue Xuebao/Journal of Harbin Engineering University	2017	sousarbarb	18 May 2022 20:52:53	Rejected
	A Robust Localization Method in Indoor Dynamic Environment	S. Huang and H.-Z. Huang and Q. Zeng	IOP Conference Series: Materials Science and Engineering	2021	sousarbarb	18 May 2022 20:52:53	Accepted
	A Robot Localization Method in Indoor Dynamic Environment [一种室内高动态环境的机器人定位方法]	S. Huang and H.-Z. Huang and Q. Zeng and H.-M. Qian	Dianzi Keji Daxue Xuebao/Journal of the University of Electronic Science and Technology of China	2021	sousarbarb	18 May 2022 20:52:53	Rejected

<input type="checkbox"/> Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
<input type="checkbox"/>	Tightly Coupled SLAM System Based on Multi-Sensor Fusion [基于多传感器融合的紧耦合SLAM系统]	Y. Cai and Z. Lu and Y. Li and L. Chen and H. Wang	Qiche Gongcheng/Automotive Engineering	2022	sousarbarb	18 May 2022 20:52:53	Rejected
<input type="checkbox"/>	Double-layer fusion of lidar and roadside camera for cooperative localization [激光雷达与路侧摄像头的双层融合协同定位]	W.-J. Huang and M.-H. Huang	Zhejiang Daxue Xuebao (Gongxue Ban)/Journal of Zhejiang University (Engineering Science)	2020	sousarbarb	18 May 2022 20:52:53	Rejected
<input type="checkbox"/>	Improved-UWB/LiDAR-SLAM Tightly Coupled Positioning System with NLOS Identification Using a LiDAR Point Cloud in GNSS-Denied Environments	Z. Chen and A. Xu and X. Sui and C. Wang and S. Wang and J. Gao and Z. Shi	Remote Sensing	2022	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	kRadar++: Coarse-to-Fine FMCW Scanning Radar Localisation	D. D. Martini and M. Gadd and P. Newman	Sensors	2020	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	Work Smart, Not Hard: Recalling Relevant Experiences for Vast-Scale but Time-Constrained Localisation	C. Linegar and W. Churchill and P. Newman	None	2015	sousarbarb	18 May 2022 17:01:46	Duplicated
<input type="checkbox"/>	Work smart, not hard: Recalling relevant experiences for vast-scale but time-constrained localisation	C. Linegar and W. Churchill and P. Newman	None	2015	sousarbarb	17 May 2022 15:25:30	Duplicated
<input type="checkbox"/>	What if there was no revisit? Large-scale graph-based SLAM with traffic sign detection in an HD map using LiDAR inertial odometry	C. Sung and S. Jeon and H. Lim and H. Myung	Intelligent Service Robotics	2021	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	Weighted triplet loss based on deep neural networks for loop closure detection in VSLAM	N. Dong and M. Qin and J. Chang and C. H. Wu and W. H. Ip and K. L. Yung	Computer Communications	2022	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	The 5HT 1A receptor agonist, 8-OH-DPAT, protects neurons and reduces astroglial reaction after ischemic damage caused by cortical devascularization	A. J. Ramos and M. D. Rubio and C. Defagot and L. Hischberg and M. J. Villar and A. Brusco	Brain Research	2004	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Differential regulation of MAP2 and occamKII expression in hippocampal neurones by forskolin and calcium ionophore treatment	K. A. Alier and B. J. Morris	Molecular Brain Research	2004	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Spatiotemporal control of vascular endothelial growth factor delivery from injectable hydrogels enhances angiogenesis	E. A. Silva and D. J. Mooney	Journal of Thrombosis and Haemostasis	2007	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Evidence that long-term potentiation occurs within individual hippocampal synapses during learning	V. Fedulov and C. S. Rex and D. A. Simmons and L. Palmer and C. M. Gall and G. Lynch	Journal of Neuroscience	2007	sousarbarb	18 May 2022 20:52:53	Rejected
<input type="checkbox"/>	Geomorphological variations at hydrothermal sites in the southern Mariana Trough: Relationship between hydrothermal activity and topographic characteristics	S. Yoshikawa and K. Okino and M. Asada	Marine Geology	2012	sousarbarb	18 May 2022 20:52:53	Rejected
<input type="checkbox"/>	Prenatal poly I: C age-dependently alters cannabinoid type 1 receptors in offspring: A longitudinal small animal PET study using [¹⁸ F]MK-9470	M. Verdurand and V. S. Dalton and V. Nguyen and M.-C. Grégoire and D. Zahra and N. Wyatt and L. Burgess and I. Greguric and K. Zavitsanou	Experimental Neurology	2014	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Incorporating risk mapping at multiple spatial scales into eradication management plans	H. Kaplan and A. V. Niekerk and J. J. L. Roux and D. M. Richardson and J. R. U. Wilson	Biological Invasions	2014	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Crustal faults exposed in the Pito Deep Rift: Conduits for hydrothermal fluids on the southeast Pacific Rise	N. W. Hayman and J. A. Karson	Geochemistry, Geophysics, Geosystems	2009	sousarbarb	18 May 2022 20:52:53	Rejected
<input type="checkbox"/>	The environmental aspects of suburb areas' development	B. Kadlecák and M. Růžička and M. Kotek	Conference Proceeding - 5th International Conference, TAE 2013: Trends in Agricultural Engineering 2013	2013	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Identifying MRI markers to evaluate early treatment-related changes post-laser ablation for cancer pain management	P. Tiwari and S. Danish and A. Madabhushi	Progress in Biomedical Optics and Imaging - Proceedings of SPIE	2014	sousarbarb	18 May 2022 20:52:53	Rejected

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	Exposure to cerium oxide nanoparticles is associated with activation of mitogen-activated protein kinases signaling and apoptosis in rat lungs	K. M. Rice and S. K. Nalabotu and N. D. P. K. Manne and M. B. Kolli and G. Nandyala and R. Arvapalli and J. Y. Ma and E. R. Blough	Journal of Preventive Medicine and Public Health	2015	sousarbarb	18 May 2022 20:52:52	Rejected
	A cognitive map model based on spatial and goal-oriented mental exploration in rodents	Q. Zhu and R. Wang and Z. Wang	Behavioural Brain Research	2013	sousarbarb	18 May 2022 20:52:53	Rejected
	Effective map scales for soil transport processes and related process domains - Statistical and spatial characterization of their scale-specific inaccuracies	M. Möller and M. Volk	Geoderma	2015	sousarbarb	18 May 2022 20:52:52	Rejected
	Enabling persistent autonomy for underwater gliders through terrain based navigation	A. Stuntz and D. Liebel and R. N. Smith	MTS/IEEE OCEANS 2015 - Genova: Discovering Sustainable Ocean Energy for a New World	2015	sousarbarb	18 May 2022 20:52:52	Accepted
	Seabed bubble flux estimation by calibrated video survey for a large blowout seep in the North Sea	I. Leifer	Marine and Petroleum Geology	2015	sousarbarb	18 May 2022 20:52:52	Rejected
	Research of the most basin localities optimum restoration methodology based on comparison of long term survey of the areas with a different history of restoration and natural succession areas	M. Řehoř and L. Žížka and V. Novák and P. Schmidt and M. Frašťia	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM	2017	sousarbarb	18 May 2022 20:52:53	Rejected
	Chronic treatment with a MEK inhibitor reverses enhanced excitatory field potentials in Syngap1+/- mice	M. V. Kopanitsa and G. Gou and N. O. Afinowi and À. Bayés and S. G. N. Grant and N. H. Komiyama	Pharmacological Reports	2018	sousarbarb	18 May 2022 20:52:52	Rejected
	Analysis of the floods risk in the peripheral localities from the north of the danube delta using gis technologies	A. Banescu and L. P. Georgescu and E. Rusu and G. Murariu	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM	2019	sousarbarb	18 May 2022 20:52:52	Rejected
	Using terrestial and aerial photogrammetry in archaeology	K. Pavelka and L. Starková and K. Nováček	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM	2019	sousarbarb	18 May 2022 20:52:52	Rejected
	Distributed real-time cooperative localization and mapping using an uncertainty-aware expectation maximization approach	J. Dong and E. Nelson and V. Indelman and N. Michael and F. Dellaert	Proceedings - IEEE International Conference on Robotics and Automation	2015	sousarbarb	18 May 2022 20:52:52	Accepted
	Utilizing time-driven activity-based costing to understand the short- and long-term costs of treating localized, low-risk prostate cancer	A. A. Laviana and A. M. Ilg and D. Veruttipong and H.-J. Tan and M. A. Burke and D. R. Niedzwiecki and P. A. Kupelian and C. R. King and M. L. Steinberg and C. R. Kundavaram and M. Kamrava and A. L. Kaplan and A. K. Moriarity and W. Hsu and D. J. A. Margolis and J. C. Hu and C. S. Saigal	Cancer	2016	sousarbarb	18 May 2022 20:52:52	Rejected
	Learning by Inertia: self-supervised monocular visual odometry for road vehicles [arXiv]	C. Wang and Y. Yuan and Q. Wang	arXiv	2019	sousarbarb	17 May 2022 16:40:00	Rejected
	Multisensory omni-directional long-term place recognition: Benchmark dataset and analysis [arXiv]	A. Mathur and F. Han and H. Zhang	arXiv	2017	sousarbarb	17 May 2022 16:40:00	Rejected
	HSC4D: Human-centered 4D Scene Capture in Large-scale Indoor-outdoorSpace Using Wearable IMUs and LiDAR [arXiv]	Y. Dai and Y. Lin and C. Wen and S. Shen and L. Xu and J. Yu and Y. Ma and C. Wang	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
	Advances in Physical Agents II, Proceedings of the 21st International Workshop of Physical Agents (WAF 2020), November 19-20, 2020, Alcalá de Henares, Madrid, Spain			2021	sousarbarb	17 May 2022 15:59:19	Rejected
	5th International Conference on Field and Service Robotics, FSR 2005		Springer Tracts in Advanced Robotics	2006	sousarbarb	18 May 2022 20:52:52	Rejected

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		17th Pacific-Rim Conference on Multimedia, PCM 2016				Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		2016		sousarbarb		18 May 2022 20:52:52		Rejected	
		Simultaneous Localization and Mapping: A Survey of Current Trends in Autonomous Driving		G. Bresson and Z. Alsayed and L. Yu and S. Glaser		IEEE Transactions on Intelligent Vehicles		2017		sousarbarb		18 May 2022 20:52:52		Rejected	
		11th International Conference on Spatial Cognition, 2018				Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		2018		sousarbarb		18 May 2022 20:52:52		Rejected	
		22nd RoboCup International Competition and Symposium, RoboCup 2018				Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		2019		sousarbarb		18 May 2022 20:52:52		Rejected	
		2017 IEEE International Conference on Autonomous Robot Systems and Competitions, ICARSC 2017				2017 IEEE International Conference on Autonomous Robot Systems and Competitions, ICARSC 2017		2017		sousarbarb		18 May 2022 20:52:52		Rejected	
		Role of deep learning in loop closure detection for visual and lidar slam: A survey		S. Arshad and G.-W. Kim		Sensors (Switzerland)		2021		sousarbarb		18 May 2022 20:52:53		Rejected	
		10th International Conference on Intelligent Robotics and Applications, ICIRA 2017				Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		2017		sousarbarb		18 May 2022 20:52:52		Rejected	
		42nd German Conference on Pattern Recognition, DAGM GCPR 2020 held in parallel with 25th International Symposium on Vision, Modeling, and Visualization, VMV 2020 and 10th Eurographics Workshop on Visual Computing for Biology and Medicine, VCBM 2020				Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		2021		sousarbarb		18 May 2022 20:52:52		Rejected	
		Evolving indoor navigational strategies using gated recurrent units in NEAT		J. Butterworth and R. Savani and K. Tuyls		GECCO 2019 Companion - Proceedings of the 2019 Genetic and Evolutionary Computation Conference Companion		2019		sousarbarb		18 May 2022 20:52:52		Rejected	
		Molecular Imaging of endometrial sentinel lymph nodes utilizing fluorescent-labeled Tilmanocept during robotic-assisted surgery in a porcine model		K. M. Anderson and C. V. Barback and Z. Qin and D. J. Hall and C. K. Hoh and D. R. Vera and M. T. McHale		PLoS ONE		2018		sousarbarb		18 May 2022 20:52:52		Rejected	
		350 Stereoelectroencephalography for Refractory Localization-related Epilepsy: Initial Experience in 50 Patients		B. E. Youngerman and J. Oh and Y. Pathak and G. P. Banks and S. A. Sheth and N. A. Feldstein and G. M. McKhann		Neurosurgery		2017		sousarbarb		17 May 2022 15:59:20		Rejected	
		Integration of Engineered "Spark-Cell" Spheroids for Optical Pacing of Cardiac Tissue		C. J. Chua and J. L. Han and W. Li and W. Liu and E. Entcheva		Frontiers in Bioengineering and Biotechnology		2021		sousarbarb		18 May 2022 20:52:52		Rejected	
		Stabilization of dendritic mRNAs by nitric oxide allows localized, activity-dependent enhancement of hippocampal protein synthesis		B. J. Morris		European Journal of Neuroscience		1997		sousarbarb		18 May 2022 20:52:52		Rejected	
		Duckiefloat: a Collision-Tolerant Resource-Constrained Blimp for Long-Term Autonomy in Subterranean Environments [arXiv]		Y.-W. Huang and C.-L. Lu and K.-L. Chen and P.-S. Ser and J.-T. Huang and Y.-C. Shen and P.-W. Chen and P.-K. Chang and S.-C. Lee and H.-C. Wang		arXiv		2019		sousarbarb		17 May 2022 16:40:02		Rejected	
		Augmenting Visual SLAM with Wi-Fi Sensing For Indoor Applications [arXiv]		Z. S. Hashemifar and C. Adhivarahan and A. Balakrishnan and K. Dantu		arXiv		2019		sousarbarb		17 May 2022 16:40:02		Rejected	

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
		Localizing Backscatters by a Single Robot With Zero Start-up Cost [arXiv]	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	arXiv	2019	sousarbarb	17 May 2022 16:40:01	Rejected
		A realtime autonomous robot navigation framework for human like high-level interaction and task planning in global dynamic environment [arXiv]	S.-H. Joo and S. Manzoor and Y. G. Rocha and H.-U. Lee and T.-Y. Kuc	arXiv	2019	sousarbarb	17 May 2022 16:40:01	Rejected
		A Samplable Multimodal Observation Model for Global Localization and Kidnapping [arXiv]	R. Chen and Y. Wang and H. Yin and Y. Jiao and G. Dissanayake and R. Xiong	arXiv	2020	sousarbarb	17 May 2022 16:40:01	Rejected
		MP3: A Unified Model to Map, Perceive, Predict and Plan [arXiv]	S. Casas and A. Sadat and R. Urtasun	arXiv	2021	sousarbarb	17 May 2022 16:40:01	Rejected
		Multiple Object Detection, Tracking and Long-Term Dynamics Learning in Large 3D Maps [arXiv]	N. Bore and P. Jensfelt and J. Folkesson	arXiv	2018	sousarbarb	17 May 2022 16:40:01	Rejected
		Learning matchable colorspace transformations for long-term metric visual localization [arXiv]	L. Clement and M. Gridseth and J. Tomasi and J. Kelly	arXiv	2019	sousarbarb	17 May 2022 16:40:01	Rejected
		A fast, complete, point cloud based loop closure for LiDAR odometry and mapping [arXiv]	J. Lin and F. Zhang	arXiv	2019	sousarbarb	17 May 2022 16:40:01	Rejected
		ViPR: visual-odometry-aided pose regression for 6DoF camera localization [arXiv]	F. Ott and T. Feigl and C. Loumlfler and C. Muttschler	arXiv	2019	sousarbarb	17 May 2022 16:40:00	Rejected
		Map as the hidden sensor: fast odometry-based global localization [arXiv]	C. Peng and D. Weikersdorfer	arXiv	2019	sousarbarb	17 May 2022 16:40:00	Rejected
		Structure from Motion using the Extended Kalman Filter	J. Civera and A. J. Davison and J. M. M. Montiel		2012	sousarbarb	17 May 2022 15:59:20	Rejected
		38th Annual International Symposium of the Society of Flight Test Engineers, SFTE		38th Annual International Symposium of the Society of Flight Test Engineers, SFTE	2007	sousarbarb	18 May 2022 20:52:52	Rejected
		Robotics Research: The 13th International Symposium ISRR		Springer Tracts in Advanced Robotics	2010	sousarbarb	18 May 2022 20:52:52	Rejected
		Visual localization using sparse semantic 3D map [arXiv]	T. Shi and S. Shen and X. Gao and L. Zhu	arXiv	2019	sousarbarb	17 May 2022 16:40:01	Rejected
		1 year, 1000 km: The Oxford RobotCar dataset	W. Maddern and G. Pascoe and C. Linegar and P. Newman	International Journal of Robotics Research	2017	sousarbarb	18 May 2022 20:52:53	Rejected
		2012 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS 2012		IEEE International Conference on Intelligent Robots and Systems	2012	sousarbarb	18 May 2022 20:52:52	Rejected
		Sensors, SLAM and Long-term Autonomy: A Review	M. Zaffar and S. Ehsan and R. Stolk and K. M. Maier	2018 NASA/ESA Conference on Adaptive Hardware and Systems, AHS 2018	2018	sousarbarb	18 May 2022 20:52:53	Rejected
		University of Michigan North Campus long-term vision and lidar dataset	N. Carlevaris-Bianco and A. K. Ushani and R. M. Eustice	International Journal of Robotics Research	2016	sousarbarb	18 May 2022 20:52:53	Rejected
		The Canadian Planetary Emulation Terrain Energy-Aware Rover Navigation Dataset	O. Lamarre and O. Limoyo and F. Marić and J. Kelly	International Journal of Robotics Research	2020	sousarbarb	18 May 2022 20:52:53	Rejected
		Spectral Measurement Sparsification for Pose-Graph SLAM [arXiv]	K. J. Doherty and D. M. Rosen and J. J. Leonard	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
		The Revisiting Problem in Simultaneous Localization and Mapping: A Survey on Visual Loop Closure Detection [arXiv]	K. A. Tsintotas and L. Bampis and A. Gasteratos	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
		3DOF Pedestrian Trajectory Prediction Learned from Long-Term AutonomousMobile Robot Deployment Data [arXiv]	L. Sun and Z. Yan and S. M. Mellado and M. Hanheide and T. Duckett	arXiv	2017	sousarbarb	17 May 2022 15:59:20	Rejected

Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□	Learning Matchable Image Transformations for Long-term Metric VisualLocalization [arXiv]	L. Clement and M. Gridseth and J. Tomasi and J. Kelly	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
□	Keeping an Eye on Things: Deep Learned Features for Long-Term VisualLocalization [arXiv]	M. Gridseth and T. D. Barfoot	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□	Domain-invariant Similarity Activation Map Contrastive Learning for Retrieval-based Long-term Visual Localization [arXiv]	H. Hu and H. Wang and Z. Liu and W. Chen	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□	SemanticFusion: Dense 3D Semantic Mapping with Convolutional NeuralNetworks [arXiv]	J. McCormac and A. Handa and A. Davison and S. Leutenegger	arXiv	2016	sousarbarb	17 May 2022 15:59:20	Rejected
□	Map Management for Efficient Long-Term Visual Localization in OutdoorEnvironments [arXiv]	M. BĂărki and M. Dymczyk and I. Gilitschenski and C. Cadena and R. Siegwart and J. Nieto	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
□	Multisensory Omni-directional Long-term Place Recognition: BenchmarkDataset and Analysis [arXiv]	A. Mathur and F. Han and H. Zhang	arXiv	2017	sousarbarb	17 May 2022 15:59:19	Rejected
□	Long-term map maintenance pipeline for autonomous vehicles [arXiv]	J. S. Berrio and S. Worrall and M. Shan and E. Nebot	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□	Identifying robust landmarks in feature-based maps [arXiv]	J. S. Berrio and J. Ward and S. Worrall and E. Nebot	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
□	Radar-on-Lidar: metric radar localization on prior lidar maps [arXiv]	H. Yin and Y. Wang and L. Tang and R. Xiong	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□	Bi-directional Loop Closure for Visual SLAM [arXiv]	I. Ali and S. Peltonen and A. Gotchev	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
□	Long-Term Urban Vehicle Localization Using Pole Landmarks Extracted from3-D Lidar Scans [arXiv]	A. Schaefer and D. BĂăscher and J. Vertens and L. Luft and W. Burgard	arXiv	2019	sousarbarb	17 May 2022 15:59:19	Rejected
□	Structure-SLAM: Low-Drift Monocular SLAM in Indoor Environments [arXiv]	Y. Li and N. Brasch and Y. Wang and N. Navab and F. Tombari	arXiv	2020	sousarbarb	17 May 2022 16:40:02	Rejected
□	4Seasons: A Cross-Season Dataset for Multi-Weather SLAM in Autonomous Driving	P. Wenzel and R. Wang and N. Yang and Q. Cheng and Q. Khan and L. V. Stumberg and N. Zeller and D. Cremers	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2021	sousarbarb	18 May 2022 20:52:53	Rejected
□	3D Dynamic Scene Graphs: Actionable Spatial Perception with Places,Objects, and Humans [arXiv]	A. Rosinol and A. Gupta and M. Abate and J. Shi and L. Carlone	arXiv	2020	sousarbarb	17 May 2022 15:59:19	Rejected
□	Furniture Free Mapping using 3D Lidars [arXiv]	Z. He and J. Hou and S. Schwertfeger	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
□	A Brain-Inspired Compact Cognitive Mapping System [arXiv]	T. Zeng and B. Si	arXiv	2019	sousarbarb	17 May 2022 15:59:20	Rejected
□	The MIT Stata Center dataset	M. Fallon and H. Johannsson and M. Kaess and J. J. Leonard	International Journal of Robotics Research	2013	sousarbarb	18 May 2022 20:52:52	Rejected
□	DiSCO: Differentiable Scan Context with Orientation [arXiv]	X. Xu and H. Yin and Z. Chen and Y. Wang and R. Xiong	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□	Appearance-Based Landmark Selection for Efficient Long-Term VisualLocalization [arXiv]	M. BĂărki and I. Gilitschenski and E. Stumm and R. Siegwart and J. Nieto	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		Robust SLAM Systems: Are We There Yet? [arXiv]	M. Bujanca and X. Shi and M. Spear and P. Zhao and B. Lennox and M. Lujan	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Tightly-coupled Monocular Visual-odometric SLAM using Wheels and a MEMSGyroscope [arXiv]	M. Quan and S. Piao and M. Tan and S.-S. Huang	arXiv	2018	sousarbarb	17 May 2022 15:59:20	Rejected
□		Continual SLAM: Beyond Lifelong Simultaneous Localization and Mappingthrough Continual Learning [arXiv]	N. Väistö and D. Cattaneo and W. Burgard and A. Valada	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
□		A General Framework for Lifelong Localization and Mapping in ChangingEnvironment [arXiv]	M. Zhao and X. Guo and L. Song and B. Qin and X. Shi and G. H. Lee and G. Sun	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Long-Term Autonomy in Forest Environment using Self-Corrective SLAM [arXiv]	P. Nevalainen and P. Movahedi and J. P. Queralta and T. Westerlund and J. Heikkonen	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□		Sparse Image based Navigation Architecture to Mitigate the need ofprecise Localization in Mobile Robots [arXiv]	P. Mathur and R. Kumar and S. Upadhyay	arXiv	2022	sousarbarb	17 May 2022 15:59:20	Rejected
□		GPGM-SLAM: a Robust SLAM System for Unstructured Planetary Environmentswith Gaussian Process Gradient Maps [arXiv]	R. Giubilato and C. L. Gentil and M. Vayugundla and M. J. Schuster and T. Vidal-Calleja and R. Triebel	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Deep Samplable Observation Model for Global Localization and Kidnapping [arXiv]	R. Chen and H. Yin and Y. Jiao and G. Dissanayake and Y. Wang and R. Xiong	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□		Localization in Unstructured Environments: Towards Autonomous Robots inForests with Delaunay Triangulation [arXiv]	Q. Li and P. Nevalainen and J. P. Queralta and J. Heikkonen and T. Westerlund	arXiv	2020	sousarbarb	17 May 2022 15:59:20	Rejected
□		NASA Space Robotics Challenge 2 Qualification Round: An Approach toAutonomous Lunar Rover Operations [arXiv]	C. Kilic and B. M. R. and C. A. Tatsch and J. Beard and J. Strader and S. Das and D. Ross and Y. Gu and G. A. S. Pereira and J. N. Gross	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Hough2Map -- Iterative Event-based Hough Transform for High-SpeedRailway Mapping [arXiv]	F. Tschopp and C. V. Einem and A. Cramariuc and D. Hug and A. W. Palmer and R. Siegwart and M. Chli and J. Nieto	arXiv	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Global Alignment of Deep Features for Robot Localization in Changing Environment	J. H. Oh and H.-J. Lee	Proceedings - 2019 3rd European Conference on Electrical Engineering and Computer Science, EECS 2019	2019	sousarbarb	18 May 2022 20:52:52	Rejected
□		Map updating revisited for navigation map : aa mathematical way to perform map updating for autonomous mobile robot	H. Chen and Z. Wang and Q. Zhu	Proceedings of IEEE Asia-Pacific Conference on Image Processing, Electronics and Computers, IPEC 2021	2021	sousarbarb	18 May 2022 20:52:52	Rejected
□		Appearance-based mapping and localisation using feature stability histograms	B. Bacca and J. Salví and J. Batlle and X. Cufí	Electronics Letters	2010	sousarbarb	18 May 2022 20:52:52	Rejected
□		A hybrid topological mapping and navigation method for large area robot mapping	A. A. Ravankar and A. Ravankar and T. Emaru and Y. Kobayashi	2017 56th Annual Conference of the Society of Instrument and Control Engineers of Japan, SICE 2017	2017	sousarbarb	18 May 2022 20:52:52	Rejected
□		Image Based Place Recognition and Lidar Validation for Vehicle Localization	Y. Qiao and C. Cappelle and Y. Ruichek	Human-Inspired Computing and Its Applications. MICAI 2014	2014	sousarbarb	18 May 2022 17:01:46	Accepted

	Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
□		Enabling Robust Localization for Automated Guided Carts in Dynamic Environments	C. Hansen and K. Fuerstenberg	Advanced Microsystems for Automotive Applications 2017. Lecture Notes in Mobility	2018	sousarbarb	18 May 2022 17:01:46	Accepted
□		Chapter 15 Deep learning for vision-based navigation in autonomous drone racing	H. X. Pham and H. I. Ugurlu and J. L. Fevre and D. Bardakci and E. Kayacan		2022	sousarbarb	17 May 2022 15:59:20	Rejected
□		Robotic Reliability Engineering: Experience from Long-Term TritonBot Development	S. Wang and X. Liu and J. Zhao and H. I. Christensen	Field and Service Robotics. Springer Proceedings in Advanced Robotics	2021	sousarbarb	17 May 2022 15:59:20	Rejected
□		Visual Localization for Micro Aerial Vehicles in Urban Outdoor Environments	A. Wendel and H. Bischof	Advanced Topics in Computer Vision. Advances in Computer Vision and Pattern Recognition	2013	sousarbarb	17 May 2022 15:59:20	Rejected
□		The Autonomous City Explorer (ACE) Project – Mobile Robot Navigation in Highly Populated Urban Environments	G. Lidoris and F. Rohrmäller and D. Wollherr and M. Buss		2009	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Tactile Imaging System for Localizing Lung Nodules during Video Assisted Thoracoscopic Surgery	A. P. Miller and W. J. Peine and J. S. Son and Z. T. M. D. Hammoud		2007	sousarbarb	17 May 2022 15:59:19	Rejected
□		Towards Lifelong Feature-Based Mapping in Semi-Static Environments	D. M. Rosen and J. Mason and J. J. Leonard		2016	sousarbarb	17 May 2022 15:59:20	Duplicated
□		Bioinspired Environmental Coordination in Spatial Computing Systems	J. Werfel and Y. Bar-Yam and D. Ingber	2008 Second IEEE International Conference on Self-Adaptive and Self-Organizing Systems Workshops	2008	sousarbarb	17 May 2022 15:25:06	Rejected
□		Using UHF-RFID Signals for Robot Localization Inside Pipelines [TechRxiv]	A. Gunatilake and K. Thiagarajan and S. kodagoda and L. Piyathilaka and P. Darji	TechRxiv	2021	sousarbarb	17 May 2022 15:59:19	Rejected
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□		Review of underwater SLAM techniques	F. Hidalgo and T. Braul	ICARA 2015 - Proceedings of the 2015 6th International Conference on Automation, Robotics and Applications	2015	sousarbarb	18 May 2022 20:52:52	Rejected
□		NYU-VPR: Long-Term Visual Place Recognition Benchmark with View Direction and Data Anonymization Influences	D. Sheng and Y. Chai and X. Li and C. Feng and J. Lin and C. Silva and J.-R. Rizzo	IEEE International Conference on Intelligent Robots and Systems	2021	sousarbarb	18 May 2022 20:52:52	Rejected
□		Towards exteroceptive based localisation	D. J. Spero and R. A. Jarvis	2004 IEEE Conference on Robotics, Automation and Mechatronics	2004	sousarbarb	18 May 2022 20:52:52	Accepted
□		Active vision for wearables	W. W. Mayol and B. J. Tordoff and T. E. D. Campos and A. J. Davison and D. W. Murray	IEE Eurowearable '03	2004	sousarbarb	17 May 2022 16:40:02	Rejected
□		Simultaneous localization and map-building using active vision	A. J. Davison and D. W. Murray	IEEE Transactions on Pattern Analysis and Machine Intelligence	2002	sousarbarb	18 May 2022 20:52:52	Accepted
□		A contribution to vision-based localization, tracking and navigation methods for an interactive mobile service-robot	H.-M. Gross and H.-J. Boehme and T. Wilhelm	Proceedings of the IEEE International Conference on Systems, Man and Cybernetics	2001	sousarbarb	18 May 2022 20:52:52	Accepted
□		Contribution to vision-based localization, tracking and navigation methods for an interactive mobile service-robot	H.-M. Gross and H.-J. Boehme and T. Wilhelm	2001 IEEE International Conference on Systems, Man and Cybernetics. e-Systems and e-Man for Cybernetics in Cyberspace (Cat.No.01CH37236)	2001	sousarbarb	17 May 2022 16:40:00	Duplicated
□		Mobile robotics in the long term - Exploring the fourth dimension	D. Austin and L. Fletcher and A. Zelinsky	IEEE International Conference on Intelligent Robots and Systems	2001	sousarbarb	18 May 2022 20:52:52	Accepted

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		Embedding local metrical map patches in a globally consistent topological map		U. R. Zimmer		Proceedings of the 2000 International Symposium on Underwater Technology, UT 2000		2000		sousarbarb		18 May 2022 20:52:53		Rejected	
		Continuous localization in changing environments		K. Graves and W. Adams and A. Schultz		Proceedings of IEEE International Symposium on Computational Intelligence in Robotics and Automation, CIRA		1997		sousarbarb		18 May 2022 20:52:52		Accepted	
		Simultaneous map building and localization for an autonomous mobile robot		J. J. Leonard and H. F. Durrant-Whyte		Proceedings IROS '91. IEEE/RSJ International Workshop on Intelligent Robots and Systems '91. Intelligence for Mechanical Systems (Cat. No.91TH0375-6)		1991		sousarbarb		17 May 2022 16:40:01		Accepted	
		Characterising an indoor environment with a mobile robot and uncalibrated stereo		K. B. Sarachik		Proceedings - IEEE International Conference on Robotics and Automation		1989		sousarbarb		18 May 2022 20:52:52		Rejected	
		Unusual applications of SLAM in management decision making		H. L. Prekel		Simulation in the Factory of the Future and Simulation in Traffic Control. Proceedings of the European Simulation Multiconference		1988		sousarbarb		17 May 2022 16:40:00		Rejected	
		3D localization, mapping and path planning for search and rescue operations		R. Dube and A. Gawel and C. Cadena and R. Siegwart and L. Freda and M. Gianni		SSRR 2016 - International Symposium on Safety, Security and Rescue Robotics		2016		sousarbarb		18 May 2022 20:52:53		Rejected	
		An 879GOPs 243mW 80fps VGA Fully Visual CNN-SLAM Processor for Wide-Range Autonomous Exploration		Z. Li and Y. Chen and L. Gong and L. Liu and D. Sylvester and D. Blaauw and H.-S. Kim		Digest of Technical Papers - IEEE International Solid-State Circuits Conference		2019		sousarbarb		18 May 2022 20:52:53		Rejected	
		Special Issue on Probabilistic Robotics and SLAM		K. Watanabe and S. Maezawa and T. Tomizawa and R. Ueda and M. Tomono		Journal of Robotics and Mechatronics		2019		sousarbarb		17 May 2022 15:59:20		Rejected	
		Novel robust simultaneous localization and mapping for long-term autonomous robots		W. Wei and X. Zhu and Y. Wang		Frontiers of Information Technology and Electronic Engineering		2022		sousarbarb		18 May 2022 20:52:53		Accepted	
		Special Issue on the Seventh European Conference on Mobile Robots (ECMR'15)		T. Duckett and A. Tapus and N. Bellotto		Robotics and Autonomous Systems		2017		sousarbarb		18 May 2022 20:52:53		Rejected	
		Special Issue on Modern Trends in Mobile Robotics		T. Tsubouchi and K. Nagatani		Journal of Robotics and Mechatronics		2002		sousarbarb		17 May 2022 15:59:20		Rejected	
		The Implementation of IpStereo Vision Slam System for Mobile Robot		J.-R. Hou and Z.-Q. Wang		27th Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2020 - Proceedings		2020		sousarbarb		18 May 2022 20:52:52		Rejected	
		Experimental analysis of sample-based maps for long-term SLAM		P. Biber and T. Duckett		International Journal of Robotics Research		2009		sousarbarb		18 May 2022 20:52:53		Accepted	
		Keypoint design and evaluation for place recognition in 2D lidar maps		M. Bosse and R. Zlot		Robotics and Autonomous Systems		2009		sousarbarb		18 May 2022 20:52:52		Accepted	
		Subjective local maps for hybrid metric-topological SLAM		J. L. Blanco and J. González and J.-A. Fernández-Madrigal		Robotics and Autonomous Systems		2009		sousarbarb		18 May 2022 20:52:52		Accepted	
		The Autonomous City Explorer (ACE) project-mobile robot navigation in highly populated Urban environments		G. Lidoris and F. Rohrmüller and D. Wollherr and M. Buss		Proceedings - IEEE International Conference on Robotics and Automation		2009		sousarbarb		18 May 2022 20:52:52		Accepted	
		An efficient approach to odometric non-systematic error modeling for mobile robots		J. Yang and B. Hong and S. Piao		Chinese Journal of Electronics		2008		sousarbarb		18 May 2022 20:52:52		Rejected	
		An adaptive appearance-based map for long-term topological localization of mobile robots		F. Dayoub and T. Duckett		2008 IEEE/RSJ International Conference on Intelligent Robots and Systems, IROS		2008		sousarbarb		18 May 2022 20:52:52		Accepted	
		Learning-Oriented Vehicle Navigation Systems: A Preliminary Investigation in a Driving Simulator		K. J. Oliver and G. E. Burnett		Proceedings of the 10th international conference on Human computer interaction with mobile devices and services		2008		sousarbarb		17 May 2022 15:31:55		Rejected	

<input type="checkbox"/> Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
<input type="checkbox"/>	Robotic discovery of the auditory scene	E. Martinson and A. Schultz	Proceedings - IEEE International Conference on Robotics and Automation	2007	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	BiCamSLAM: Two times mono is more than stereo	J. Solà and A. Monin and M. Devy	Proceedings - IEEE International Conference on Robotics and Automation	2007	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	A visual bag of words method for interactive qualitative localization and mapping	D. Filliat	Proceedings - IEEE International Conference on Robotics and Automation	2007	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	Terrain aided localisation and mapping for marine environments	S. Williams and I. Mahon	Springer Tracts in Advanced Robotics	2006	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Consistency of the FastSLAM algorithm	T. Bailey and J. Nieto and E. Nebot	Proceedings - IEEE International Conference on Robotics and Automation	2006	sousarbarb	18 May 2022 20:52:53	Rejected
<input type="checkbox"/>	SLAM- Loop closing with visually salient features	P. Newman and K. Ho	Proceedings - IEEE International Conference on Robotics and Automation	2005	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Robot localisation error reduction by stereo vision	A. Cumani and A. Guiducci	WSEAS Transactions on Circuits and Systems	2005	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Simultaneous localisation and mapping on the great barrier reef	S. Williams and I. Mahon	Proceedings - IEEE International Conference on Robotics and Automation	2004	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Obstacle avoidance and path planning for humanoid robots using stereo vision	K. Sabe and M. Fukuchi and J.-S. Gutmann and T. Ohashi and K. Kawamoto and T. Yoshigahara	Proceedings - IEEE International Conference on Robotics and Automation	2004	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Enhancing functionality and autonomy in man-portable robots	E. B. Pacis and H. R. Everett and N. Farrington and D. Bruemmer	Proceedings of SPIE - The International Society for Optical Engineering	2004	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Towards a warfighter's associate: Eliminating the operator control unit	H. R. Everett and E. B. Pacis and G. Kogut and N. Farrington and S. Khurana	Proceedings of SPIE - The International Society for Optical Engineering	2004	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Early warnings of the onset of rolling contact fatigue by inspecting the residual stress environment of the railhead	D. J. Buttle and W. Dalzell and P. J. Thayer	Insight: Non-Destructive Testing and Condition Monitoring	2004	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Dynamic pose graph SLAM: Long-term mapping in low dynamic environments	A. Walcott-Bryant and M. Kaess and H. Johannsson and J. J. Leonard	IEEE International Conference on Intelligent Robots and Systems	2012	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	Memory management for real-time appearance-based loop closure detection	M. Labb�� and F. Michaud	IEEE International Conference on Intelligent Robots and Systems	2011	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	Self Body Mapping in Mobile Robots Using Vision and Forward Models	E. Escobar and J. Hermosillo and B. Lara	2012 IEEE Electronics, Robotics and Automotive Mechanics Conference (CERMA 2012). Proceedings	2012	sousarbarb	17 May 2022 16:40:00	Rejected
<input type="checkbox"/>	Global localization using multiple hypothesis tracking: A real-world approach	M. Lutz and S. Hochdorfer and C. Schlegel	2011 IEEE Conference on Technologies for Practical Robot Applications, TePRA 2011	2011	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	Research on object recognition using bag of word model for mobile robot navigation	J.-F. Yang and K. Wang and M.-A. Li and L. Liu	2011 IEEE International Conference on Mechatronics and Automation, ICMA 2011	2011	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Comparison of two image and inertial sensor fusion techniques for navigation in unmapped environments	C. N. Taylor and M. J. Veth and J. F. Raquet and M. M. Miller	IEEE Transactions on Aerospace and Electronic Systems	2011	sousarbarb	18 May 2022 20:52:52	Rejected
<input type="checkbox"/>	Natural landmark-based monocular localization for MAVs	A. Wendel and A. Irschka and H. Bischof	Proceedings - IEEE International Conference on Robotics and Automation	2011	sousarbarb	18 May 2022 20:52:52	Accepted

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□		A study on wearable robotics - Comfort is in the context	D. C. Herath and T. Chapman and A. Tomkins and L. Elliott and M. David and A. Cooper and D. Burnham and S. Kodagoda	2011 IEEE International Conference on Robotics and Biomimetics, ROBIO 2011	2011	sousarbarb	18 May 2022 20:52:52	Rejected
□		Dense multi-planar scene estimation from a sparse set of images	A. Argiles and J. Civera and L. Montesano	IEEE International Conference on Intelligent Robots and Systems	2011	sousarbarb	18 May 2022 20:52:52	Rejected
□		Sigma-point Kalman smoothing for indoor tracking and auto-calibration using time-of-flight ranging	A. S. Paul and E. A. Wan and P. G. Jacobs	24th International Technical Meeting of the Satellite Division of the Institute of Navigation 2011, ION GNSS 2011	2011	sousarbarb	18 May 2022 20:52:52	Rejected
□		Landmark rating and selection considering the observability regions	S. Hochdorfer and C. Schlegel	Intelligent Autonomous Systems 11, IAS 2010	2010	sousarbarb	18 May 2022 20:52:53	Rejected
□		Robust mobile robot localization in highly non-static environments	J.-S. Lee and W. K. Chung	Autonomous Robots	2010	sousarbarb	18 May 2022 20:52:52	Accepted
□		Lifelong Map Learning for Graph-based SLAM in Static Environments	H. Kretzschmar and G. Grisetti and C. Stachniss	KI - Kunstliche Intelligenz	2010	sousarbarb	18 May 2022 20:52:52	Accepted
□		Mapping and localization for mobile robots through environment appearance update	B. Bacca and J. Salví and X. Cufí	Frontiers in Artificial Intelligence and Applications	2010	sousarbarb	18 May 2022 20:52:52	Accepted
□		Position-invariant robust features for long-term recognition of dynamic outdoor scenes	A. Kawewong and S. Tangruamsub and O. Hasegawa	IEICE Transactions on Information and Systems	2010	sousarbarb	18 May 2022 20:52:52	Accepted
□		Fast Odometry Integration in Local Bundle Adjustment-based Visual SLAM	A. Eudes and M. Lhuillier and S. Naudet-Collette and M. Dhome	Proceedings of the 2010 20th International Conference on Pattern Recognition (ICPR 2010)	2010	sousarbarb	17 May 2022 16:40:00	Accepted
□		Lifelong localization of a mobile service-robot in everyday indoor environments using omnidirectional vision	S. Hochdorfer and M. Lutz and C. Schlegel	2009 IEEE International Conference on Technologies for Practical Robot Applications, TePRA 2009	2009	sousarbarb	18 May 2022 20:52:53	Accepted
□		Robust outdoor visual localization using a three-dimensional-edge map	S. Nuske and J. Roberts and G. Wyeth	Journal of Field Robotics	2009	sousarbarb	18 May 2022 20:52:53	Accepted
□		Uncalibrated monocular based simultaneous localization and mapping for indoor autonomous mobile robot navigation	S. Fu and G. Yang	Proceedings of the 2009 IEEE International Conference on Networking, Sensing and Control, ICNSC 2009	2009	sousarbarb	18 May 2022 20:52:53	Accepted
□		Towards a robust visual SLAM approach: Addressing the challenge of life-long operation	S. Hochdorfer and C. Schlegel	2009 International Conference on Advanced Robotics, ICAR 2009	2009	sousarbarb	18 May 2022 20:52:53	Accepted
□		LaneLoc: Lane marking based localization using highly accurate maps	M. Schreiber and C. Knöppel and U. Franke	IEEE Intelligent Vehicles Symposium, Proceedings	2013	sousarbarb	18 May 2022 20:52:52	Accepted
□		Long-term simultaneous localization and mapping with generic linear constraint node removal	N. Carlevaris-Bianco and R. M. Eustice	IEEE International Conference on Intelligent Robots and Systems	2013	sousarbarb	18 May 2022 20:52:53	Accepted
□		Improved actionSLAM for long-term indoor tracking with wearable motion sensors	M. Hardegger and G. Tröster and D. Roggen	ISWC 2013 - Proceedings of the 2013 ACM International Symposium on Wearable Computers	2013	sousarbarb	18 May 2022 20:52:52	Rejected
□		Hierarchical SLAM using spectral submap matching with opportunities for long-term operation	J. Oberländer and A. Roennau and R. Dillmann	2013 16th International Conference on Advanced Robotics, ICAR 2013	2013	sousarbarb	18 May 2022 20:52:52	Accepted
□		Lifelong localization in changing environments	G. D. Tipaldi and D. Meyer-Delius and W. Burgard	International Journal of Robotics Research	2013	sousarbarb	18 May 2022 20:52:52	Accepted
□		Consistent sparsification for graph optimization	G. Huang and M. Kaess and J. J. Leonard	2013 European Conference on Mobile Robots, ECMR 2013 - Conference Proceedings	2013	sousarbarb	18 May 2022 20:52:52	Accepted
□		OpenRatSLAM: An open source brain-based SLAM system	D. Ball and S. Heath and J. Wiles and G. Wyeth and P. Corke and M. Milford	Autonomous Robots	2013	sousarbarb	18 May 2022 20:52:52	Accepted

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	Selective combination of visual and thermal imaging for resilient localization in adverse conditions: Day and night, smoke and fire	C. Brunner and T. Peynot and T. Vidal-Calleja and J. Underwood	Journal of Field Robotics	2013	sousarbarb	18 May 2022 20:52:52	Accepted
	How to learn an illumination robust image feature for place recognition	H. Lategahn and J. Beck and B. Kitt and C. Stiller	IEEE Intelligent Vehicles Symposium, Proceedings	2013	sousarbarb	18 May 2022 20:52:52	Accepted
	Robust Loop Closing Over Time	Y. Latif and C. Cadena and J. Neira	2012 Robotics: Science and Systems	2013	sousarbarb	17 May 2022 16:40:02	Accepted
	Generic 2D/3D SLAM with NDT maps for lifelong application	E. Einhorn and H.-M. Gross	2013 European Conference on Mobile Robots, ECMR 2013 - Conference Proceedings	2013	sousarbarb	18 May 2022 20:52:52	Accepted
	3D normal distributions transform occupancy maps: An efficient representation for mapping in dynamic environments	J. P. Saarinen and H. Andreasson and T. Stoyanov and A. J. Lilienthal	International Journal of Robotics Research	2013	sousarbarb	17 May 2022 16:40:01	Accepted
	Appearance change prediction for long-term navigation across seasons	P. Neubert and N. Sunderhauf and P. Protzel	2013 European Conference on Mobile Robots. Proceedings	2013	sousarbarb	17 May 2022 16:40:01	Accepted
	Adaptive Visual Memory For Mobile Robot Navigation In Dynamic Environment	J. Courbon and H. Korrappati and Y. Mezouar	2012 IEEE Intelligent Vehicles Symposium	2012	sousarbarb	18 May 2022 17:01:46	Accepted
	Capping Computation Time and Storage Requirements for Appearance-based Localization with CAT-SLAM	W. Maddern and M. Milford and G. Wyeth	2012 IEEE International Conference on Robotics and Automation	2012	sousarbarb	18 May 2022 17:01:46	Accepted
	Realizing, reversing, recovering: Incremental robust loop closing over time using the iRRR algorithm	Y. Latif and C. Cadena and J. Neira	IEEE International Conference on Intelligent Robots and Systems	2012	sousarbarb	18 May 2022 20:52:53	Accepted
	Robocup standard platform league - rUNSWift 2012 innovations	S. Harris and P. Anderson and B. Teh and Y. Hunter and R. Liu and B. Hengst and R. Roy and S. Li and C. Chatfield	Australasian Conference on Robotics and Automation, ACRA	2012	sousarbarb	18 May 2022 20:52:53	Rejected
	Minimalistic vision-based cognitive SLAM	M. Saleiro and J. M. F. Rodrigues and J. M. H. D. Buf	ICAART 2012 - Proceedings of the 4th International Conference on Agents and Artificial Intelligence	2012	sousarbarb	18 May 2022 20:52:52	Accepted
	Improved SeqSLAM for real-time place recognition and navigation error correction	Y. Wang and X. Hu and J. Lian and L. Zhang and X. Kong	2015 7th International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC). Proceedings	2015	sousarbarb	17 May 2022 16:40:02	Accepted
	Superpixel-based appearance change prediction for long-term navigation across seasons	P. Neubert and N. Sunderhauf and P. Protzel	Robotics and Autonomous Systems	2015	sousarbarb	17 May 2022 16:40:01	Accepted
	Towards background flow based AUV localization	Z. Song and K. Mohseni	Proceedings of the IEEE Conference on Decision and Control	2014	sousarbarb	18 May 2022 20:52:53	Accepted
	An open-source bio-inspired solution to underwater SLAM	L. Silveira and F. Guth and J. P. Drews and P. Ballester and M. Machado and F. Codevilla and N. Duarte-Filho and S. Botelho	IFAC-PapersOnLine	2015	sousarbarb	18 May 2022 20:52:52	Accepted
	Multiple map hypotheses for planning and navigating in non-stationary environments	T. Morris and F. Dayoub and P. Corke and G. Wyeth and B. Upcroft	Proceedings - IEEE International Conference on Robotics and Automation	2014	sousarbarb	18 May 2022 20:52:53	Accepted
	Mining visual phrases for long-term visual SLAM	T. Kanji and C. Yuuto and A. Masatoshi	IEEE International Conference on Intelligent Robots and Systems	2014	sousarbarb	18 May 2022 20:52:53	Accepted
	A geometrical approach for aerial cooperative obstacle mapping using RSSI observations	S. M. M. Dehghan and H. Moradi	2014 2nd RSI/ISM International Conference on Robotics and Mechatronics, ICRoM 2014	2014	sousarbarb	18 May 2022 20:52:53	Rejected

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		A SLAM based on auxiliary marginalised particle filter and differential evolution	R. Havangi and M. A. Nekoui and M. Teshnehab and H. D. Taghirad	International Journal of Systems Science	2014	sousarbarb	18 May 2022 20:52:53	Accepted
		Long-term topological localisation for service robots in dynamic environments using spectral maps	T. Krajnik and J. P. Fentanes and O. M. Mozos and T. Duckett and J. Ekekrantz and M. Hanheide	IEEE International Conference on Intelligent Robots and Systems	2014	sousarbarb	18 May 2022 20:52:53	Accepted
		Toward long-term, automated ship hull inspection with visual SLAM, explicit surface optimization, and generic graph-sparsification	P. Ozog and R. M. Eustice	Proceedings - IEEE International Conference on Robotics and Automation	2014	sousarbarb	18 May 2022 20:52:53	Accepted
		Online global loop closure detection for large-scale multi-session graph-based SLAM	M. Labb�� and F. Michaud	IEEE International Conference on Intelligent Robots and Systems	2014	sousarbarb	18 May 2022 20:52:52	Accepted
		Incremental unsupervised topological place discovery	L. Murphy and G. Sibley	Proceedings - IEEE International Conference on Robotics and Automation	2014	sousarbarb	18 May 2022 20:52:52	Accepted
		Integration of Monte Carlo Localization and place recognition for reliable long-term robot localization	J. P��rez and F. Caballero and L. Merino	2014 IEEE International Conference on Autonomous Robot Systems and Competitions, ICARSC 2014	2014	sousarbarb	18 May 2022 20:52:52	Accepted
		Temporally scalable visual SLAM using a reduced pose graph	H. Johannsson and M. Kaess and M. Fallon and J. J. Leonard	Proceedings - IEEE International Conference on Robotics and Automation	2013	sousarbarb	18 May 2022 20:52:52	Accepted
		Experience-based navigation for long-term localisation	W. Churchill and P. Newman	International Journal of Robotics Research	2013	sousarbarb	18 May 2022 20:52:53	Accepted
		Fast damage recovery in robotics with the T-resilience algorithm	S. Koos and A. Cully and J.-B. Mouret	International Journal of Robotics Research	2013	sousarbarb	18 May 2022 20:52:53	Rejected
		Self-help: Seeking out perplexing images for ever improving topological mapping	R. Paul and P. Newman	International Journal of Robotics Research	2013	sousarbarb	18 May 2022 20:52:53	Accepted
		An integrated model of autonomous topological spatial cognition	H. Karaoguz and H. I. Bozma	AUTONOMOUS ROBOTS	2016	sousarbarb	18 May 2022 17:01:46	Accepted
		Particle Filter Based Robot Self-localization Using RGBD Cues and Wheel Odometry Measurements	E. Gao and Z. Chen and Q. Gao	Proceedings of the 6th International Conference on Electronic, Mechanical, Information and Management Society	2016	sousarbarb	18 May 2022 17:01:46	Rejected
		Long-term Mapping Techniques for Ship Hull Inspection and Surveillance using an Autonomous Underwater Vehicle	P. Ozog and N. Carlevaris-Bianco and A. Kim and R. M. Eustice	Journal of Field Robotics	2016	sousarbarb	17 May 2022 15:59:20	Duplicated
		Multi-session slam over low dynamic workspace using RGBD sensor	Y. Wang and R. Xiong and S. Huang and J. Wu	Assistive Robotics: Proceedings of the 18th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines, CLAWAR 2015	2015	sousarbarb	18 May 2022 20:52:53	Rejected
		IMPROVEMENT OF 3D MONTE CARLO LOCALIZATION USING A DEPTH CAMERA and TERRESTRIAL LASER SCANNER	S. Kanai and R. Hatakeyama and H. Date	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2015	sousarbarb	18 May 2022 20:52:53	Accepted
		ORB-SLAM: A Versatile and Accurate Monocular SLAM System	R. Mur-Artal and J. M. M. Montiel and J. D. Tardos	IEEE Transactions on Robotics	2015	sousarbarb	18 May 2022 20:52:53	Accepted
		A Light Visual Mapping and Navigation Framework for Low-Cost Robots	S. Bazeille and E. Battesti and D. Filliat	Journal of Intelligent Systems	2015	sousarbarb	18 May 2022 20:52:53	Accepted
		Preliminary field trials of autonomous path following	P. King and B. Anstey and A. Vardy	2014 IEEE/OES Autonomous Underwater Vehicles, AUV 2014	2015	sousarbarb	18 May 2022 20:52:53	Rejected
		Multi-robot 6D graph SLAM connecting decoupled local reference filters	M. J. Schuster and C. Brand and H. Hirschmuller and M. Suppa and M. Beetz	IEEE International Conference on Intelligent Robots and Systems	2015	sousarbarb	18 May 2022 20:52:52	Accepted

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		The gist of maps - Summarizing experience for lifelong localization	M. Dymczyk and S. Lynen and T. Cieslewski and M. Bosse and R. Siegwart and P. Furgale	Proceedings - IEEE International Conference on Robotics and Automation	2015	sousarbarb	18 May 2022 20:52:52	Accepted
		Enhanced Monte Carlo Localization with Visual Place Recognition for Robust Robot Localization	J. Pérez and F. Caballero and L. Merino	Journal of Intelligent and Robotic Systems: Theory and Applications	2015	sousarbarb	18 May 2022 20:52:52	Accepted
		Long-term RFID SLAM using short-range sparse tags	J.-F. Chen and C.-C. Wang	International Journal of Automation and Smart Technology	2015	sousarbarb	18 May 2022 20:52:52	Accepted
		Learning to calibrate: Reinforcement learning for guided calibration of visual-inertial rigs	F. Nobre and C. Heckman	International Journal of Robotics Research	2019	sousarbarb	17 May 2022 16:40:00	Duplicated
		Heading Reference-Assisted Pose Estimation for Ground Vehicles	H. Wang and R. Jiang and H. Zhang and S. S. Ge	IEEE Transactions on Automation Science and Engineering	2019	sousarbarb	17 May 2022 15:59:20	Rejected
		Automatic image scaling for place recognition in changing environments	E. Pepperell and P. I. Corke and M. J. Milford	Proceedings - IEEE International Conference on Robotics and Automation	2015	sousarbarb	18 May 2022 20:52:52	Accepted
		An Adaptive Gaussian Particle Filter based Simultaneous Localization and Mapping with dynamic process model noise bias compensation	A. Rao and W. Han	Proceedings of the 2015 7th IEEE International Conference on Cybernetics and Intelligent Systems, CIS 2015 and Robotics, Automation and Mechatronics, RAM 2015	2015	sousarbarb	18 May 2022 20:52:52	Accepted
		Two-stage focused inference for resource-constrained collision-free navigation	B. Mu and A.-A. Agha-Mohammadi and L. Paull and M. Graham and J. How and J. Leonard	Robotics: Science and Systems	2015	sousarbarb	18 May 2022 20:52:52	Rejected
		A continuously learning feature-based map using a bernoulli filtering approach	M. Stubler and S. Reuter and K. Dietmayer	2017 Symposium on Sensor Data Fusion: Trends, Solutions, Applications, SDF 2017	2017	sousarbarb	18 May 2022 20:52:52	Accepted
		Episodic non-Markov localization	J. Biswas and M. M. Veloso	Robotics and Autonomous Systems	2017	sousarbarb	18 May 2022 20:52:52	Accepted
		Navigation and mapping with loop closure	J. Rydell and E. Bilock	30th International Technical Meeting of the Satellite Division of the Institute of Navigation, ION GNSS 2017	2017	sousarbarb	18 May 2022 20:52:52	Rejected
		Modelling scene change for large-scale long term laser localisation	D. Withers and P. Newman	Proceedings - IEEE International Conference on Robotics and Automation	2017	sousarbarb	18 May 2022 20:52:52	Accepted
		Semantics-aware visual localization under challenging perceptual conditions	T. Naseer and G. L. Oliveira and T. Brox and W. Burgard	2017 IEEE International Conference on Robotics and Automation (ICRA)	2017	sousarbarb	17 May 2022 16:40:01	Accepted
		Mining DCNN landmarks for long-term visual SLAM	T. Taisho and T. Kanji	2016 IEEE International Conference on Robotics and Biomimetics, ROBIO 2016	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		A spatially and temporally scalable approach for long-term lakeshore monitoring	S. Griffith and C. Pradalier	Springer Tracts in Advanced Robotics	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		Ceiling vision-based active SLAM framework for dynamic and wide-open environments	S.-Y. An and L.-K. Lee and S.-Y. Oh	Autonomous Robots	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		Opportunistic sampling-based active visual SLAM for underwater inspection	S. M. Chaves and A. Kim and E. Galceran and R. M. Eustice	Autonomous Robots	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		Towards autonomous lakeshore monitoring	S. Griffith and P. Drews and C. Pradalier	Springer Tracts in Advanced Robotics	2016	sousarbarb	18 May 2022 20:52:53	Accepted
		Automated Crack Detection on Concrete Bridges	P. Prasanna and K. J. Dana and N. Gucunski and B. B. Basily and H. M. La and R. S. Lim and H. Parvardeh	IEEE Transactions on Automation Science and Engineering	2016	sousarbarb	18 May 2022 20:52:53	Rejected
		Hybrid Metric-Topological 3D Occupancy Grid Maps for Large-scale Mapping	P. Schmuck and S. A. Scherer and A. Zell	IFAC-PapersOnLine	2016	sousarbarb	18 May 2022 20:52:53	Accepted

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	Summary Maps for Lifelong Visual Localization	P. Mühlfellner and M. Bürgi and M. Bosse and W. Derendarz and R. Philippson and P. Furgale	Journal of Field Robotics	2016	sousarbarb	18 May 2022 20:52:53	Accepted
	Nonlinear factor recovery for long-term SLAM	M. Mazuran and W. Burgard and G. D. Tipaldi	International Journal of Robotics Research	2016	sousarbarb	18 May 2022 20:52:52	Accepted
	Bridging the appearance gap: Multi-experience localization for long-term visual teach and repeat	M. Paton and K. Mactavish and M. Warren and T. D. Barfoot	IEEE International Conference on Intelligent Robots and Systems	2016	sousarbarb	18 May 2022 20:52:52	Accepted
	Localizing Ground Penetrating RADAR: A Step Toward Robust Autonomous Ground Vehicle Localization	M. Cornick and J. Koehling and B. Stanley and B. Zhang	Journal of Field Robotics	2016	sousarbarb	18 May 2022 20:52:52	Accepted
	Mining visual phrases for visual robot localization	K. Tanaka and Y. Chokushi and M. Ando	Journal of Advanced Computational Intelligence and Intelligent Informatics	2016	sousarbarb	18 May 2022 20:52:52	Accepted
	Past, present, and future of simultaneous localization and mapping: Toward the robust-perception age	C. Cadena and L. Carlone and H. Carrillo and Y. Latif and D. Scaramuzza and J. Neira and I. Reid and J. J. Leonard	IEEE Transactions on Robotics	2016	sousarbarb	18 May 2022 20:52:52	Rejected
	Scalable Change Detection from 3D Point Cloud Maps: Invariant Map Coordinate for Joint Viewpoint-Change Localization	T. Yoshiki and T. Kanji and Y. Naiming	IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC	2018	sousarbarb	18 May 2022 20:52:53	Accepted
	LLama-SLAM: Learning High-Quality Visual Landmarks for Long-Term Mapping and Localization	S. Lüthardt and V. Willert and J. Adamy	IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC	2018	sousarbarb	18 May 2022 20:52:53	Accepted
	Rao-Blackwellized Gaussian Sum Particle Filtering for Multipath Assisted Positioning	M. Ulmschneider and C. Gentner and T. Jost and A. Dammann	Journal of Electrical and Computer Engineering	2018	sousarbarb	18 May 2022 20:52:52	Rejected
	Map Management for Efficient Long-Term Visual Localization in Outdoor Environments	M. Bürgi and M. Dymczyk and I. Gilitschenski and C. Cadena and R. Siegwart and J. Nieto	IEEE Intelligent Vehicles Symposium, Proceedings	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Error modelling for multi-sensor measurements in infrastructure-free indoor navigation	L. Ruotsalainen and M. Kirkko-Jaakkola and J. Rantanen and M. Mäkelä	Sensors (Switzerland)	2018	sousarbarb	18 May 2022 20:52:52	Rejected
	Sparse Gaussian Process SLAM, Storage and Filtering for AUV Multibeam Bathymetry	N. Bore and I. Torroba and J. Folkeson	AUV 2018 - 2018 IEEE/OES Autonomous Underwater Vehicle Workshop, Proceedings	2018	sousarbarb	18 May 2022 20:52:53	Accepted
	Recurrent-OctoMap: Learning State-Based Map Refinement for Long-Term Semantic Mapping with 3-D-Lidar Data	L. Sun and Z. Yan and A. Zaganidis and C. Zhao and T. Duckett	IEEE Robotics and Automation Letters	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	3DOF Pedestrian Trajectory Prediction Learned from Long-Term Autonomous Mobile Robot Deployment Data	L. Sun and Z. Yan and S. M. Mellado and M. Hanheide and T. Duckett	Proceedings - IEEE International Conference on Robotics and Automation	2018	sousarbarb	18 May 2022 20:52:52	Rejected
	Learning of Holism-Landmark graph embedding for place recognition in Long-Term autonomy	F. Han and S. E. Beleidy and H. Wang and C. Ye and H. Zhang	IEEE Robotics and Automation Letters	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Elastic LiDAR Fusion: Dense Map-Centric Continuous-Time SLAM	C. Park and P. Moghadam and S. Kim and A. Elfes and C. Fookes and S. Sridharan	Proceedings - IEEE International Conference on Robotics and Automation	2018	sousarbarb	18 May 2022 20:52:52	Accepted
	Visual Odometry and Place Recognition Fusion for Vehicle Position Tracking in Urban Environments	S. Ouerghi and R. Boureau and X. Savatier and F. Thai	SENSORS	2018	sousarbarb	18 May 2022 17:01:46	Accepted

<input type="checkbox"/> Bibtex Key ↕	Title ↕	Author ↕	Journal ↕	Year ↕	Added by ↕	Added at ↕	Status ↕
<input type="checkbox"/>	Are you ABLE to perform a life-long visual topological localization?	R. Arroyo and P. F. Alcantarilla and L. M. Bergasa and E. Romera	Autonomous Robots	2018	sousarbarb	17 May 2022 16:40:01	Accepted
<input type="checkbox"/>	Appearance-based landmark selection for visual localization	M. BĂĽrki and C. Cadena and I. Gilitschenski and R. Siegwart and J. Nieto	Journal of Field Robotics	2019	sousarbarb	17 May 2022 15:59:20	Duplicated
<input type="checkbox"/>	Migratory birds-inspired navigation system for unmanned aerial vehicles	Y. Zhang and A. Chao and B. Zhao and H. Liu and X. Zhao	2016 IEEE International Conference on Information and Automation, IEEE ICIA 2016	2017	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	FreMEn: Frequency map enhancement for long-term mobile robot autonomy in changing environments	T. Krajnik and J. P. Fentanes and J. M. Santos and T. Duckett	IEEE Transactions on Robotics	2017	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Survey Registration for Long-Term Natural Environment Monitoring	S. Griffith and C. Pradalier	Journal of Field Robotics	2017	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Dynamic Map Update of Non-static Facility Logistics Environment with a Multi-robot System	N. Shaik and T. Liebig and C. Kirsch and H. Müller	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Research of large-scale offline map management in visual SLAM	Q. Shen and H. Sun and P. Ye	2017 4th International Conference on Systems and Informatics, ICSAI 2017	2017	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Long-Term Visual Inertial SLAM based on Time Series Map Prediction	B. Song and W. Chen and J. Wang and H. Wang	IEEE International Conference on Intelligent Robots and Systems	2019	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	UAV technique to localize landslide susceptibility and mitigation proposal: A case of Rinchending Goenpa landslide in Bhutan	K. Tempa and K. Peljor and S. Wangdi and R. Ghalley and K. Jamtsho and S. Ghalley and P. Pradhan	Natural Hazards Research	2021	sousarbarb	17 May 2022 15:59:20	Rejected
<input type="checkbox"/>	Learning Local Feature Descriptor with Motion Attribute For Vision-based Localization	Y. Song and D. Zhu and J. Li and Y. Tian and M. Li	2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2019	sousarbarb	17 May 2022 16:40:02	Accepted
<input type="checkbox"/>	DE-SLAM: SLAM for highly dynamic environment	Z. Xing and X. Zhu and D. Dong	Journal of Field Robotics	2022	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	GVINS: Tightly Coupled GNSS–Visual–Inertial Fusion for Smooth and Consistent State Estimation	S. Cao and X. Lu and S. Shen	IEEE Transactions on Robotics	2022	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	HybVIO: Pushing the Limits of Real-time Visual-inertial Odometry	O. Seiskari and P. Rantalankila and J. Kannala and J. Ylilammi and E. Rahtu and A. Solin	Proceedings - 2022 IEEE/CVF Winter Conference on Applications of Computer Vision, WACV 2022	2022	sousarbarb	18 May 2022 20:52:53	Accepted
<input type="checkbox"/>	Keeping an Eye on Things: Deep Learned Features for Long-Term Visual Localization	M. Gridseth and T. D. Barfoot	IEEE Robotics and Automation Letters	2022	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	Tightly-Coupled Magneto-Visual-Inertial Fusion for Long Term Localization in Indoor Environment	J. Coulin and R. Guillemand and V. Gay-Bellile and C. Joly and A. D. L. Fortelle	IEEE Robotics and Automation Letters	2022	sousarbarb	18 May 2022 20:52:52	Accepted
<input type="checkbox"/>	A Hybrid Map with Permanent 3D Wireframes and Temporal Line Segments toward Long-Term Visual Localization	T. Kaneko and J. Takahashi and S. Ito and Y. Tobe	SICE Journal of Control, Measurement, and System Integration	2019	sousarbarb	17 May 2022 16:40:01	Accepted
<input type="checkbox"/>	Detection-by-localization: maintenance-free change object detector	T. Kanji	2019 International Conference on Robotics and Automation (ICRA)	2019	sousarbarb	17 May 2022 16:40:01	Rejected
<input type="checkbox"/>	A Linear-Complexity EKF for Visual-Inertial Navigation with Loop Closures	P. Geneva and K. Eckenhoff and G. Huang	2019 International Conference on Robotics and Automation (ICRA)	2019	sousarbarb	17 May 2022 16:40:01	Accepted

	Bibtex Key	Title	Author	Journal	Year	Added by	Added at	Status
		Monocular visual odometry based on hybrid parameterization	S. A. S. Mohamed and M.-H. Haghbayan and J. Heikkonen and H. Tenhunen and J. Plosila	Proceedings of the SPIE	2019	sousarbarb	17 May 2022 16:40:01	Rejected
		Magneto-visual-inertial Dead-reckoning: Improving Estimation Consistency by Invariance	D. Caruso and A. Eudes and M. Samfourche and D. Vissiere and G. L. Besnerais	2019 IEEE 58th Conference on Decision and Control (CDC)	2019	sousarbarb	17 May 2022 16:40:00	Rejected
		Robust Visual Place Recognition Based on Context Information	D. Dai and Z. Chen and J. Wang and P. Bao and H. Zhao	IFAC - Papers Online	2019	sousarbarb	17 May 2022 16:40:00	Accepted
		Geometric mapping for sustained indoor autonomy	Z. Hashemifar and K. W. Lee and N. Napp and K. Dantu	IoPARTS 2018 - Proceedings of the 2018 International Workshop on Internet of People, Assistive Robots and ThingS	2018	sousarbarb	18 May 2022 20:52:53	Accepted
		AUV robust bathymetric simultaneous localization and mapping	T. Ma and Y. Li and R. Wang and Z. Cong and Y. Gong	Ocean Engineering	2018	sousarbarb	18 May 2022 20:52:53	Accepted
		An Everyday Robotic System that Maintains Local Rules Using Semantic Map Based on Long-Term Episodic Memory	Y. Furuta and K. Okada and Y. Kakuchi and M. Inaba	IEEE International Conference on Intelligent Robots and Systems	2018	sousarbarb	18 May 2022 20:52:53	Rejected
		How to Match Tracks of Visual Features for Automotive Long-Term SLAM	S. Luthoradt and C. Ziegler and V. Willert and J. Adamy	2019 IEEE Intelligent Transportation Systems Conference, ITSC 2019	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Network uncertainty informed semantic feature selection for visual SLAM	P. Ganti and S. Waslander	Proceedings - 2019 16th Conference on Computer and Robot Vision, CRV 2019	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Tightly-Coupled Monocular Visual-Odometric SLAM Using Wheels and a MEMS Gyroscope	M. Quan and S. Piao and M. Tan and S.-S. Huang	IEEE Access	2019	sousarbarb	18 May 2022 20:52:52	Accepted
		Tightly coupled semantic RGB-D inertial odometry for accurate long-term localization and mapping	N. Patel and F. Khorrami and P. Krishnamurthy and A. Tzes	2019 19th International Conference on Advanced Robotics, ICAR 2019	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		Lifelong Mapping using Adaptive Local Maps	N. Banerjee and D. Lisin and J. Briggs and M. Llofriu and M. E. Munich	2019 European Conference on Mobile Robots, ECMR 2019 - Proceedings	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		View management for lifelong visual maps	N. Banerjee and R. C. Connolly and D. Lisin and J. Briggs and M. E. Munich	IEEE International Conference on Intelligent Robots and Systems	2019	sousarbarb	18 May 2022 20:52:53	Accepted
		MIT Advanced Vehicle Technology Study: Large-Scale Naturalistic Driving Study of Driver Behavior and Interaction with Automation	L. Fridman and L. Ding and S. Seaman and A. Mehler and A. Sipperley and A. Pettinato and B. D. Seppelt and L. Angell and B. Mehler and B. Reimer and D. E. Brown and M. Glazer and W. Angell and S. Dodd and B. Jenik and J. Terwilliger and A. Patsekin and J. Kindelsberger	IEEE Access	2019	sousarbarb	18 May 2022 20:52:52	Rejected
		A unified framework for mutual improvement of SLAM and semantic segmentation	K. Wang and Y. Lin and L. Wang and L. Han and M. Hua and X. Wang and S. Lian and B. Huang	Proceedings - IEEE International Conference on Robotics and Automation	2019	sousarbarb	18 May 2022 20:52:52	Accepted
		Predictive and adaptive maps for long-term visual navigation in changing environments	L. Halodova and E. Dvorakova and F. Majer and T. Vintr and O. M. Mozos and F. Dayoub and T. Krajnik	IEEE International Conference on Intelligent Robots and Systems	2019	sousarbarb	18 May 2022 20:52:52	Rejected

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	Indoor Environment RGB-DT Mapping for Security Mobile Robots	L. Zhao and Y. Liu and X. Jiang and K. Wang and Z. Zhou	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	Visual place recognition via robust '2-norm distance based holism and landmark integration	K. Liu and H. Wang and F. Han and H. Zhang	33rd AAAI Conference on Artificial Intelligence, AAAI 2019, 31st Innovative Applications of Artificial Intelligence Conference, IAAI 2019 and the 9th AAAI Symposium on Educational Advances in Artificial Intelligence, EAAI 2019	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	Evaluation of navigation in mobile robots for long-term autonomy in automotive manufacturing environments	J. S. Gill and M. Tomaszewski and Y. Jia and P. Pisu	SAE Technical Papers	2019	sousarbarb	18 May 2022 20:52:52	Rejected
	Performance of SC-FDMA for LTE Uplink under Different Modulation Schemes	J. S. Roy and S. S. Mishra	Proceedings of the 2019 International Conference on Mechatronics, Robotics and Systems Engineering, MoRSE 2019	2019	sousarbarb	18 May 2022 20:52:52	Rejected
	Weighted Grid Partitioning for Panel-Based Bathymetric SLAM	J. Jang and J. Kim	OCEANS 2019 - Marseille, OCEANS Marseille 2019	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	1-Day Learning, 1-Year Localization: Long-Term LiDAR Localization Using Scan Context Image	G. Kim and B. Park and A. Kim	IEEE Robotics and Automation Letters	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	A pose graph-based localization system for long-term navigation in CAD floor plans	F. Boniardi and T. Caselitz and R. Kümmeler and W. Burgard	Robotics and Autonomous Systems	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	Learning by Inertia: Self-supervised Monocular Visual Odometry for Road Vehicles	C. Wang and Y. Yuan and Q. Wang	ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings	2019	sousarbarb	18 May 2022 20:52:52	Rejected
	Robust photogeometric localization over time for map-centric loop closure	C. Park and S. Kim and P. Moghadam and J. Guo and S. Sridharan and C. Fookes	IEEE Robotics and Automation Letters	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	Long-term urban vehicle localization using pole landmarks extracted from 3-D lidar scans	A. Schaefer and D. Buscher and J. Vertens and L. Luft and W. Burgard	2019 European Conference on Mobile Robots, ECMR 2019 - Proceedings	2019	sousarbarb	18 May 2022 20:52:52	Accepted
	Long-term loop closure detection through visual-spatial information preserving multi-order graph matching	P. Gao and H. Zhang	AAAI 2020 - 34th AAAI Conference on Artificial Intelligence	2020	sousarbarb	18 May 2022 20:52:53	Accepted
	Multi-robot joint visual-inertial localization and 3-D moving object tracking	P. Zhu and W. Ren	IEEE International Conference on Intelligent Robots and Systems	2020	sousarbarb	18 May 2022 20:52:53	Rejected
	High-definition map update framework for intelligent autonomous transfer vehicles	M. O. Tas and H. S. Yavuz and A. Yazici	Journal of Experimental and Theoretical Artificial Intelligence	2020	sousarbarb	18 May 2022 20:52:52	Accepted
	Visual SLAM with Drift-Free Rotation Estimation in Manhattan World	J. Liu and Z. Meng	IEEE Robotics and Automation Letters	2020	sousarbarb	18 May 2022 20:52:52	Accepted
	3D LiDAR-Based Global Localization Using Siamese Neural Network	H. Yin and Y. Wang and X. Ding and L. Tang and S. Huang and R. Xiong	IEEE Transactions on Intelligent Transportation Systems	2020	sousarbarb	18 May 2022 20:52:52	Accepted
	Lightweight SLAM with automatic orientation correction using 2D LiDAR scans	G. Peter and B. Kiss	2020 23rd IEEE International Symposium on Measurement and Control in Robotics, ISMCR 2020	2020	sousarbarb	18 May 2022 20:52:52	Accepted
	Map As the Hidden Sensor: Fast Odometry-Based Global Localization	C. Peng and D. Weikersdorfer	Proceedings - IEEE International Conference on Robotics and Automation	2020	sousarbarb	18 May 2022 20:52:52	Rejected
	Appearance-invariant place recognition by adversarially learning disentangled representation	C. Qin and Y. Zhang and Y. Liu and S. Coleman and D. Kerr and G. Lv	Robotics and Autonomous Systems	2020	sousarbarb	18 May 2022 20:52:52	Accepted

	Bibtex Key ↕	Title	↔	Author	↔	Journal	↔	Year	↔	Added by	↔	Added at	↔	Status
□		Living Wales - Automatic and routine environmental monitoring using multi-source earth observation data		C. Planque and S. Punalekar and R. Lucas and S. Chognard and C. J. Owers and D. Clewley and P. Bunting and H. Sykes and C. Horton		Proceedings of SPIE - The International Society for Optical Engineering		2020		sousarbarb		18 May 2022 20:52:52		Rejected
□		3D Dynamic Scene Graphs: Actionable Spatial Perception with Places, Objects, and Humans		A. Rosinol and A. Gupta and M. Abate and J. Shi and L. Carlone		Robotics: Science and Systems		2020		sousarbarb		18 May 2022 20:52:52		Rejected
□		Day and Night Collaborative Dynamic Mapping in Unstructured Environment Based on Multimodal Sensors		Y. Yue and C. Yang and J. Zhang and M. Wen and Z. Wu and H. Zhang and D. Wang		2020 IEEE International Conference on Robotics and Automation (ICRA)		2020		sousarbarb		17 May 2022 16:40:02		Accepted
□		Localising Faster: Efficient and precise lidar-based robot localisation in large-scale environments		L. Sun and D. Adolfsson and M. Magnusson and H. Andreasson and I. Posner and T. Duckett		2020 IEEE International Conference on Robotics and Automation (ICRA)		2020		sousarbarb		17 May 2022 16:40:01		Accepted
□		SLAM using LTE Multipath Component Delays		J. Chen and M. Zhu and F. Tufvesson		2020 IEEE 91st Vehicular Technology Conference (VTC2020-Spring)		2020		sousarbarb		17 May 2022 16:40:00		Accepted
□		Using Image Sequences for Long-Term Visual Localization		E. Stenborg and T. Sattler and L. Hammarstrand		2020 International Conference on 3D Vision (3DV)		2020		sousarbarb		17 May 2022 16:40:00		Accepted
□		Clustermap building and relocalization in urban environments for unmanned vehicles		Z. Pan and H. Chen and S. Li and Y. Liu		Sensors (Switzerland)		2019		sousarbarb		18 May 2022 20:52:53		Accepted
□		Visual Localization Using Sparse Semantic 3D Map		T. Shi and S. Shen and X. Gao and L. Zhu		Proceedings - International Conference on Image Processing, ICIP		2019		sousarbarb		18 May 2022 20:52:53		Accepted
□		Robust loop-closure detection with a learned illumination invariant representation for robot vSLAM		S. Chen and J. Wu and Y. Wang and L. Zhou and Q. Lu and Y. Zhang		2019 4th IEEE International Conference on Advanced Robotics and Mechatronics, ICARM 2019		2019		sousarbarb		18 May 2022 20:52:53		Accepted
□		A multi-feature fusion slam system attaching semantic invariant to points and lines		G. Li and Y. Zeng and H. Huang and S. Song and B. Liu and X. Liao		Sensors (Switzerland)		2021		sousarbarb		18 May 2022 20:52:52		Accepted
□		Change detection using weighted features for image-based localization		E. Derner and C. Gomez and A. C. Hernandez and R. Barber and R. Babuška		Robotics and Autonomous Systems		2021		sousarbarb		18 May 2022 20:52:52		Accepted
□		Lifelong Exploratory Navigation: An Architecture for Safer Mobile Robots		F. M. D. Chamisso and D. Cancila and L. Soulier and R. Passerone and M. Aupetit		IEEE Design and Test		2021		sousarbarb		18 May 2022 20:52:52		Rejected
□		Lifelong Object Localization in Robotic Applications		C. Romero-González and J. Martínez-Gómez and I. García-Varea		Advances in Intelligent Systems and Computing		2021		sousarbarb		18 May 2022 20:52:52		Rejected
□		Using UHF-RFID Signals for Robot Localization Inside Pipelines		A. Gunatilake and M. Galea and K. Thiagarajan and S. Kodagoda and L. Piyathilaka and P. Darji		Proceedings of the 16th IEEE Conference on Industrial Electronics and Applications, ICIEA 2021		2021		sousarbarb		18 May 2022 20:52:52		Accepted
□		Semi-Direct Monocular SLAM With Three Levels of Parallel Optimizations		S. Lu and Y. Zhi and S. Zhang and R. He and Z. Bao		IEEE Access		2021		sousarbarb		17 May 2022 16:40:01		Accepted
□		An EKF-Based Fusion of Visual-Inertial Odometry and GPS for Global Robot Pose Estimation		N. H. K. Tran and V.-H. Nguyen		2021 6th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE)		2021		sousarbarb		17 May 2022 16:40:01		Accepted

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		Three-dimensional guidance and control for ground moving target tracking by a quadrotor	M. S. Movafegh and S. M. M. Dehghan and R. Zardashti	Aeronautical Journal	2021	sousarbarb	17 May 2022 16:40:01	Rejected
		Map recovery and fusion for collaborative augment reality of multiple mobile devices	J. Zhang and J. Liu and K. Chen and Z. Pan and R. Liu and Y. Wang and T. Yang and S. Chen	IEEE Transactions on Industrial Informatics	2021	sousarbarb	17 May 2022 16:40:01	Rejected
		Robust Method for Static 3D Point Cloud Map Building using Multi-View Images with Multi-Resolution	C. Yao and H. Zhu and S. Lv and D. Zhang and Z. Jia	2021 IEEE International Conference on Real-time Computing and Robotics (RCAR)	2021	sousarbarb	17 May 2022 16:40:00	Accepted
		Long-Term Visual Localization in Large Scale Urban Environments Exploiting Street Level Imagery	J. Meyer and D. Rettenmund and S. Nebiker	ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences	2020	sousarbarb	18 May 2022 20:52:52	Accepted
		Structure-SLAM: Low-Drift Monocular SLAM in Indoor Environments	Y. Li and N. Brasch and Y. Wang and N. Navab and F. Tombari	IEEE Robotics and Automation Letters	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		Integration and evaluation of SLAM-based backpack mobile mapping system	P. Yu and M. Wang and H. Chen	E3S Web of Conferences	2020	sousarbarb	18 May 2022 20:52:53	Rejected
		Segmented matching method of multi-geophysics field SLAM data based on LSTM	Z. Li and H. Yu and T. Shen and Z. Li	Proceedings of 2020 3rd International Conference on Unmanned Systems, ICUS 2020	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		Voxel-based representation learning for place recognition based on 3D point clouds	S. Siva and Z. Nahman and H. Zhang	IEEE International Conference on Intelligent Robots and Systems	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		SGC-VSLAM: A semantic and geometric constraints VSLAM for dynamic indoor environments	S. Yang and G. Fan and L. Bai and C. Zhao and D. Li	Sensors (Switzerland)	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		Robot-Assisted Backscatter Localization for IoT Applications	S. Zhang and W. Wang and S. Tang and S. Jin and T. Jiang	IEEE Transactions on Wireless Communications	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		Persistent Stereo Visual Localization on Cross-Modal Invariant Map	X. Ding and Y. Wang and R. Xiong and D. Li and L. Tang and H. Yin and L. Zhao	IEEE Transactions on Intelligent Transportation Systems	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		UcoSLAM: Simultaneous localization and mapping by fusion of keypoints and squared planar markers	R. Muñoz-Salinas and R. Medina-Carnicer	Pattern Recognition	2020	sousarbarb	18 May 2022 20:52:53	Accepted
		Robust asynchronous temporal event mapping	F. Schill and U. R. Zimmer	IEEE International Conference on Intelligent Robots and Systems	2002	sousarbarb	18 May 2022 20:52:52	Rejected
		Accurate Dynamic SLAM Using CRF-Based Long-Term Consistency	Z.-J. Du and S.-S. Huang and T.-J. Mu and Q. Zhao and R. R. Martin and K. Xu	IEEE Transactions on Visualization and Computer Graphics	2022	sousarbarb	17 May 2022 16:40:02	Accepted
		PLSAV: Parallel loop searching and verifying for loop closure detection	Z. Yang and Y. Pan and L. Deng and Y. Xie and R. Huan	IET Intelligent Transport Systems	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		Performance Analysis of Feature Detectors and Descriptors in Underwater and Polar Environments	V. Shah and J. Nir and P. Kaveti and H. Singh	Oceans Conference Record (IEEE)	2021	sousarbarb	18 May 2022 20:52:53	Rejected
		Research on Autonomous Underwater Vehicle Homing Method Based on Fuzzy-Q-FastSLAM	L. Dong and H. Xu and X. Feng and N. Li	Journal of Offshore Mechanics and Arctic Engineering	2021	sousarbarb	17 May 2022 16:40:01	Accepted
		Visual Semantic Mapping and Localization Using Parameterized Road Lanes	S. Yang and Y. Chen and M. Li	Springer Proceedings in Advanced Robotics	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		A Life-Long SLAM Approach Using Adaptable Local Maps Based on Rasterized LIDAR Images	W. Ali and P. Liu and R. Ying and Z. Gong	IEEE Sensors Journal	2021	sousarbarb	18 May 2022 20:52:53	Accepted
		Real-Time Robot Localization Based on 2D Lidar Scan-to-Submap Matching	Q. Li and J. Huai and D. Chen and Y. Zhuang	Lecture Notes in Electrical Engineering	2021	sousarbarb	18 May 2022 20:52:53	Accepted

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□	Ground Enhanced RGB-D SLAM for Dynamic Environments	R. Guo and X. Liu	2021 IEEE International Conference on Robotics and Biomimetics, ROBIO 2021	2021	sousarbarb	18 May 2022 20:52:53	Accepted
□	Driven by vision: Learning navigation by visual localization and trajectory prediction	M. Leordeanu and I. Paraicu	Sensors (Switzerland)	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	DPLVO: Direct Point-Line Monocular Visual Odometry	L. Zhou and S. Wang and M. Kaess	IEEE Robotics and Automation Letters	2021	sousarbarb	18 May 2022 20:52:52	Rejected
□	High-precision and robust localization system for mobile robots in complex and large-scale indoor scenes	J. Wang and C. Li and B. Li and C. Pang and Z. Fang	International Journal of Advanced Robotic Systems	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	A Robust LiDAR State Estimation and Map Building Approach for Urban Road	K. Wang and N. Jiasheng and L. Yanqiang	2021 IEEE 2nd International Conference on Big Data, Artificial Intelligence and Internet of Things Engineering, ICBAIE 2021	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	Variational Bayesian approach to condition-invariant feature extraction for visual place recognition	J. Oh and G. Eoh	Applied Sciences (Switzerland)	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	Long-Term Map Maintenance in Complex Environments	J. Oliveira and F. Mutz and A. Forechi and P. Azevedo and T. Oliveira-Santos and A. F. D. Souza and C. Badue	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	Long-Term Map Maintenance Pipeline for Autonomous Vehicles	J. S. Berrio and S. Worrall and M. Shan and E. Nebot	IEEE Transactions on Intelligent Transportation Systems	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	Self-Supervised Learning of Lidar Segmentation for Autonomous Indoor Navigation	H. Thomas and B. Agro and M. Gridseth and J. Zhang and T. D. Barfoot	Proceedings - IEEE International Conference on Robotics and Automation	2021	sousarbarb	18 May 2022 20:52:52	Accepted
□	Long-Term Autonomy in Forest Environment Using Self-Corrective SLAM	P. Nevalainen and P. Movahedi and T. J. P. A. W. Queraltà and J. Heikkonen	New Developments and Environmental Applications of Drones	2022	sousarbarb	18 May 2022 17:01:46	Rejected
□	A General Framework for Lifelong Localization and Mapping in Changing Environment	M. Zhao and X. Guo and L. Song and B. Qin and X. Shi and G. H. Lee and G. Sun	IEEE International Conference on Intelligent Robots and Systems	2021	sousarbarb	18 May 2022 20:52:53	Rejected
□	Biomimetic navigation system using a polarization sensor and a binocular camera	J. Li and J. Chu and R. Zhang and H. Hu and K. Tong and J. Li	Journal of the Optical Society of America A: Optics and Image Science, and Vision	2022	sousarbarb	18 May 2022 20:52:52	Rejected
□	Collaborative Augmented Reality on Smartphones via Life-long City-scale Maps	L. Platinsky and M. Szabados and F. Hlasek and R. Hemsky and L. D. Pero and A. Pancik and B. Baum and H. Grimmett and P. Ondruska	2020 IEEE International Symposium on Mixed and Augmented Reality (ISMAR)	2020	sousarbarb	17 May 2022 16:40:01	Rejected
□	A dense segmentation network for fine semantic mapping	G. Zuo and T. Zheng and Z. Xu and D. Gong	IEEE International Conference on Robotics and Biomimetics, ROBIO 2019	2019	sousarbarb	18 May 2022 20:52:52	Rejected
□	Explorations on visual localization from active to passive	Y. Yang and Y. Wu and N. Chen	Multimedia Tools and Applications	2019	sousarbarb	18 May 2022 20:52:53	Rejected
□	Indoor navigation to support the blind person using true pathway within the map	A. M. Ali and M. J. Nordin	Journal of Computer Science	2010	sousarbarb	18 May 2022 20:52:52	Rejected
□	Life-long optimization of the symbolic model of indoor environments for a mobile robot	C. Galindo and J.-A. Fernandez-Madrigal and G. Javier and A. Saffiotti and P. Buschka	IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS	2007	sousarbarb	18 May 2022 17:01:46	Rejected