



Yaqian Chen

Ph.D. Student,
Duke University
Robotics
Computer Vision

	All	Since 2020
Citations	101	101
h-index	5	5
i10-index	4	4
0 articles		4 articles
not available		available

Based on funding mandates

TITLE	CITED BY	YEAR
Segment anything model 2: an application to 2d and 3d medical images H Dong, H Gu, Y Chen, J Yang, Y Chen, MA Mazurowski arXiv preprint arXiv:2408.00756	30	2024
SegmentAnyBone: A universal model that segments any bone at any location on MRI H Gu, R Colglazier, H Dong, J Zhang, Y Chen, Z Yildiz, Y Chen, L Li, ... Medical Image Analysis 101, 103469	28	2025
Monocular object SLAM using quadrics and landmark reference map for outdoor UAV applications P Shao, F Mo, Y Chen, N Ding, R Huang 2021 IEEE International Conference on Real-time Computing and Robotics (RCAR ...	12	2021
Contourdiff: Unpaired image translation with contourguided diffusion models Y Chen, N Konz, H Gu, H Dong, Y Chen, L Li, J Lee, MA Mazurowski arXiv preprint arXiv:2403.10786 2 (3), 4	11	2024
MRI-CORE: A Foundation Model for Magnetic Resonance Imaging H Dong, Y Chen, H Gu, N Konz, Y Chen, Q Li, MA Mazurowski arXiv preprint arXiv:2506.12186	5	2025
Breast density in MRI: an AI-based quantification and relationship to assessment in mammography Y Chen, L Li, H Gu, H Dong, DL Nguyen, AD Kirk, MA Mazurowski, ... npj Breast Cancer 11 (1), 115	4	2025
GuidedMorph: Two-Stage Deformable Registration for Breast MRI Y Chen, H Gu, H Dong, Q Li, Y Chen, N Konz, L Li, MA Mazurowski arXiv preprint arXiv:2505.13414	3	2025
Accelerating Volumetric Medical Image Annotation via Short-Long Memory SAM 2 Y Chen, Z Yildiz, Q Li, Y Chen, H Dong, H Gu, N Konz, MA Mazurowski arXiv preprint arXiv:2505.01854	3	2025
Automated muscle and fat segmentation in computed tomography for comprehensive body composition analysis Y Chen, H Gu, Y Chen, J Yang, H Dong, JY Cao, A Camarena, C Mantyh, ... arXiv preprint arXiv:2502.09779	2	2025

TITLE	CITED BY	YEAR
Realtime Robust Shape Estimation of Deformable Linear Object J Zhang, Z Zhang, Y Liu, Y Chen, A Kheradmand, M Armand IEEE International Conference on Robotics and Automation (ICRA), 10734-10740	2	2024
RaD: A Metric for Medical Image Distribution Comparison in Out-of-Domain Detection and Other Applications N Konz, Y Chen, H Gu, H Dong, Y Chen, MA Mazurowski arXiv e-prints, arXiv: 2412.01496	1	2024
Breast SegNet: Multi-label Segmentation of Breast MRI Q Li, Y Jichen, Y Chen, Y Chen, H Gu, LJ Grimm, MA Mazurowski Deep-Breath @ MICCAI 2025, 196		2025
Are Vision Foundation Models Ready for Out-of-the-Box Medical Image Registration? H Gu, Y Chen, N Konz, Q Li, MA Mazurowski Deep-Breath @ MICCAI 2025 (Best paper award), 101		2025
SegmentAnyMuscle: A universal muscle segmentation model across different locations in MRI R Colglazier, J Lee, H Dong, H Gu, Y Chen, J Cao, Z Yildiz, Z Liu, N Konz, ... arXiv preprint arXiv:2506.22467		2025
Improving Surgical Risk Prediction Through Integrating Automated Body Composition Analysis: a Retrospective Trial on Colectomy Surgery H Gu, Y Chen, J Lee, D Schaps, R Woody, R Colglazier, MA Mazurowski, ... arXiv preprint arXiv:2506.11996		2025