

## Refereed Publications (472)

### REFEREED JOURNAL ARTICLES (188)

- 1 2025 C. Zhao, G. Ding, W. Wang, Z. Yang, Z. Liu, H. Chen, C. Shen (2025), “FreeCustom: training-free multi-concept customization for image and video generation”, *Int’l J. Computer Vision*.
- 2 Y. Liu, M. Zhu, H. Chen, X. Wang, B. Feng, H. Wang, S. Li, R. Vemulapalli, C. Shen (2025), “Segment anything in context with vision foundation models”, *Int’l J. Computer Vision*.
- 3 W. Wu, Z. Li, Y. He, M. Shou, C. Shen, L. Cheng, Y. Li, T. Gao, Z. Di (2025), “Paragraph-to-image generation with information-enriched diffusion model”, *Int’l J. Computer Vision*.
- 4 Q. Wang, L. Liu, C. Jing, P. Wang, Y. Zhang, C. Shen (2025), “Leaning dual-stream conditional concepts in compositional zero-shot learning”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 5 Y. Ge, W. Wang, Y. Chen, F. Wang, L. Yang, H. Chen, C. Shen (2025), “Diffusion models are efficient data generators for human mesh recovery”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 6 H. Zhu, H. Yang, X. Wu, D. Huang, S. Zhang, X. He, H. Zhao, C. Shen, Y. Qiao, T. He, W. Ouyang (2025), “PonderV2: pave the way for 3D foundation model with a universal pre-training paradigm”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 7 Y. Liu, M. Huang, H. Yan, L. Deng, W. Wu, H. Lu, C. Shen, L. Jin, X. Bai (2025), “VimTS: a unified video and image text spotter for enhancing the cross-domain generalization”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 8 2024 W. Wang, C. Zhao, H. Chen, Z. Chen, K. Zheng, C. Shen (2024), “AutoStory: generating diverse storytelling images with minimal human effort”, *Int’l J. Computer Vision*.
- 9 W. Wu, C. Shen, Y. Cai, D. Zhang, Y. Fu, P. Luo, H. Zhou (2024), “End-to-end video text spotting with Transformer”, *Int’l J. Computer Vision*.
- 10 W. Yin, Y. Liu, C. Shen, B. Sun, A. van den Hengel (2024), “Scaling up multi-domain semantic segmentation with sentence embeddings”, *Int’l J. Computer Vision*.
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- 12 K. Xian, Z. Cao, C. Shen, G. Lin (2024), “Towards robust monocular depth estimation: a new baseline and benchmark”, *Int’l J. Computer Vision*.
- 13 H. Li, J. Hu, B. Li, H. Chen, Y. Zheng, C. Shen (2024), “Target before shooting: accurate anomaly detection and localization under one millisecond via cascade patch retrieval”, *IEEE Trans. Image Processing*.
- 14 M. Hu, W. Yin, C. Zhang, Z. Cai, X. Long, H. Chen, K. Wang, G. Yu, C. Shen, S. Shen (2024), “Metric3D v2: a versatile monocular geometric foundation model for zero-shot metric depth and surface normal estimation”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 15 R. Li, C. Zhang, Z. Wang, C. Shen, G. Lin (2024), “Self-supervised 3d scene flow estimation and motion prediction using local rigidity prior”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 16 2023 M. Lin, M. Chen, Y. Zhang, C. Shen, R. Ji, L. Cao (2023), “Super vision transformer”, *Int’l J. Computer Vision*.
- 17 H. Xiong, H. Lu, C. Liu, L. Liu, C. Shen, Z. Cao (2023), “From open set to closed set: supervised spatial divide-and-conquer for object counting”, *Int’l J. Computer Vision*.
- 18 Y. Yan, Y. Shu, S. Chen, J. Xue, C. Shen, H. Wang (2023), “SPL-Net: spatial-semantic patch learning network for facial attribute recognition with limited labeled data”, *Int’l J. Computer Vision*.
- 19 B. Zhang, L. Liu, M. Phan, Z. Tian, C. Shen, Y. Liu (2023), “SegViT v2: exploring efficient and continual semantic segmentation with plain vision transformers”, *Int’l J. Computer Vision*.
- 20 Y. Xi, H. Chen, N. Wang, P. Wang, Y. Zhang, C. Shen, Y. Liu (2023), “A dynamic feature interaction framework for multi-task visual perception”, *Int’l J. Computer Vision*.
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- 22 L. Sun, J. Bian, H. Zhan, W. Yin, I. Reid, C. Shen (2023), “SC-DepthV3: robust self-supervised monocular depth estimation for dynamic scenes”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 23 Y. Liu, J. Zhang, D. Peng, M. Huang, X. Wang, J. Tang, C. Huang, D. Lin, C. Shen, X. Bai, L. Jin (2023), “SPTS v2: single-point scene text spotting”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- L. Cheng, P. Fang, Y. Liang, L. Zhang, C. Shen, H. Wang (2022), “TSGB: target-selective gradient backprop for probing CNN visual saliency”, *IEEE Trans. Image Processing*.
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- C. Zhang, Y. Cai, G. Lin, C. Shen (2022), “DeepEMD: differentiable earth mover’s distance for few-shot learning”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- Z. Tian, B. Zhang, H. Chen, C. Shen (2022), “Instance and panoptic segmentation using conditional convolutions”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- X. Wang, R. Zhang, C. Shen, T. Kong (2022), “DenseCL: a simple framework for self-supervised dense visual pre-training”, *Visual Informatics*.
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- Y. Zhao, X. Yu, Y. Gao, C. Shen (2021), “Learning discriminative region representation for person retrieval”, *Pattern Recognition*.
- Y. Zhao, C. Shen, X. Yu, H. Chen, Y. Gao, S. Xiong (2021), “Learning deep part-aware embedding for person retrieval”, *Pattern Recognition*.
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- Y. Xie, J. Zhang, Z. Liao, J. Verjans, C. Shen, Y. Xia (2021), “Intra- and inter-pair consistency for semi-supervised gland segmentation”, *IEEE Trans. Image Processing*.
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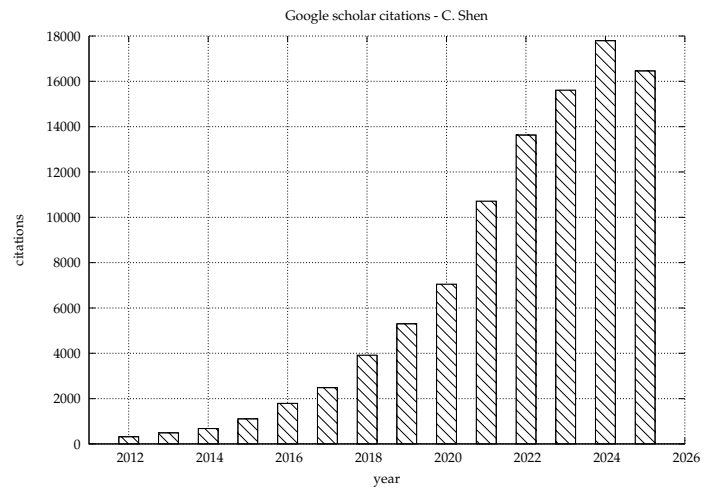


Figure 1: Google scholar citation as of 27·12·2025