

## Refereed Publications (467)

### REFEREED JOURNAL ARTICLES (186)

- 1 2025 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*.
- 2 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*.
- 3 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*.
- 4 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*.
- 5 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*.
- 6 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*.
- 7 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*.
- 8 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*.
- 9 Y. Liu, X. Wang, M. Zhu, Y. Cao, T. Huang, C. Shen (2024), “[Masked channel modeling for bootstrapping visual pre-training](#)”, *Int’l J. Computer Vision*.
- 10 K. Xian, Z. Cao, C. Shen, G. Lin (2024), “[Towards robust monocular depth estimation: a new baseline and benchmark](#)”, *Int’l J. Computer Vision*.
- 11 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*.
- 12 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*.
- 13 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*.
- 14 2023 M. Lin, M. Chen, Y. Zhang, C. Shen, R. Ji, L. Cao (2023), “[Super vision transformer](#)”, *Int’l J. Computer Vision*.
- 15 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*.
- 16 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*.
- 17 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*.
- 18 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*.
- 19 N. Sai, J. Bockman, H. Chen, N. Watson-Haigh, B. Xu, X. Feng, A. Piechatzek, C. Shen, M. Gilliam (2023), “[SAI: an efficient and user-friendly tool for measurement of stomatal pores and density using deep computer vision](#)”, *New Phytologist*.
- 20 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*.
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- 22 J. Liu, B. Zhuang, P. Chen, C. Shen, J. Cai, M. Tan (2023), “[Single-path bit sharing for automatic loss-aware model compression](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 23 Y. Xie, J. Zhang, Y. Xia, C. Shen (2023), “[Learning from partially labeled data for multi-organ and tumor segmentation](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 24 2022 L. Wang, H. Zhang, Q. Xiao, H. Xu, C. Shen, X. Jin (2022), “[Effective eyebrow matting with domain adaptation](#)”, *Computer Graphics Forum*.
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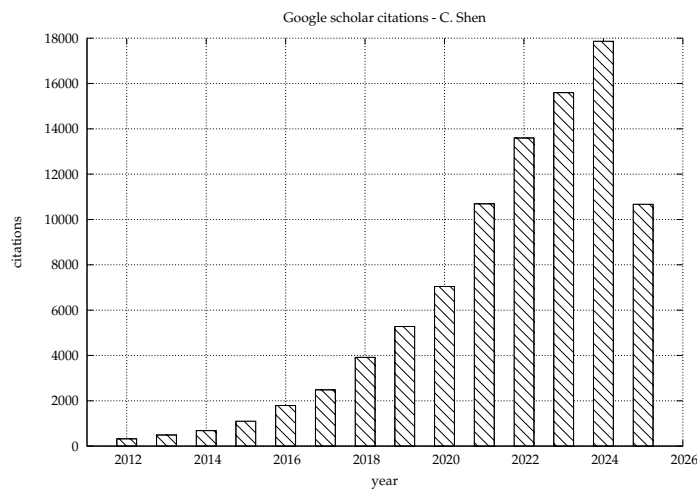


Figure 1: Google scholar citation as of 17·8·2025