

## Refereed Publications (447)

### REFEREED JOURNAL ARTICLES (182)

- 1 2025 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*.
- 2 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*.
- 3 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*.
- 4 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*.
- 5 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*.
- 6 K. Xian, Z. Cao, C. Shen, G. Lin (2024), “[Towards robust monocular depth estimation: a new baseline and benchmark](#)”, *Int’l J. Computer Vision*.
- 7 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*.
- 8 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*.
- 9 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*.
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- 11 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*.
- 12 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*.
- 13 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*.
- 14 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*.
- 15 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*.
- 16 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*.
- 17 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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- 20 2022 L. Wang, H. Zhang, Q. Xiao, H. Xu, C. Shen, X. Jin (2022), “[Effective eyebrow matting with domain adaptation](#)”, *Computer Graphics Forum*.
- 21 B. Zhuang, C. Shen, M. Tan, P. Chen, L. Liu, I. Reid (2022), “[Structured binary neural networks for image recognition](#)”, *Int’l J. Computer Vision*.
- 22 Y. Cai, Y. Liu, C. L. Jin, Y. Li, D. Ergu (2022), “[Arbitrarily shaped scene text detection with dynamic convolution](#)”, *Pattern Recognition*.
- 23 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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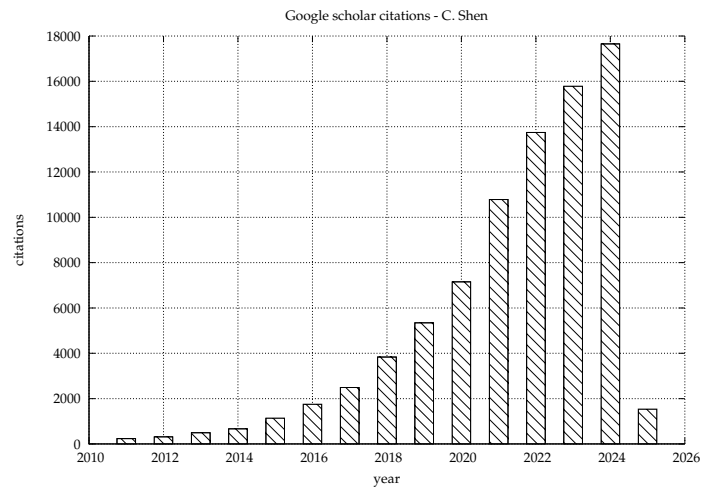


Figure 1: Google scholar citation as of 1.2.2025