## Refereed Publications (427)

Refereed Journal Articles (175)

- W. Wu, <u>C. Shen</u>, Y. Cai, D. Zhang, Y. Fu, P. Luo, H. Zhou (2024), "End-to-end video text spotting with Transformer", *Int'l J. Computer Vision*.
- K. Xian, Z. Cao, C. Shen, G. Lin (2024), "Towards robust monocular depth estimation: a new baseline and benchmark", *Int'l J. Computer Vision*.
- M. Lin, M. Chen, Y. Zhang, <u>C. Shen</u>, R. Ji, L. Cao (2023), "Super vision transformer", *Int'l J. Computer Vision*.
- H. Xiong, H. Lu, C. Liu, L. Liu, <u>C. Shen</u>, Z. Cao (2023), "From open set to closed set: supervised spatial divide-and-conquer for object counting", *Int'l J. Computer Vision*.
- Y. Yan, Y. Shu, S. Chen, J. Xue, <u>C. Shen</u>, H. Wang (2023), "SPL-Net: spatial-semantic patch learning network for facial attribute recognition with limited labeled data", *Int'l J. Computer Vision*.
- B. Zhang, L. Liu, M. Phan, Z. Tian, <u>C. Shen</u>, Y. Liu (2023), "SegViT v2: exploring efficient and continual semantic segmentation with plain vision transformers", *Int'l J. Computer Vision*.
- Y. Xi, H. Chen, N. Wang, P. Wang, Y. Zhang, <u>C. Shen</u>, Y. Liu (2023), "A dynamic feature interaction framework for multi-task visual perception", *Int'l J. Computer Vision*.
- N. Sai, J. Bockman, H. Chen, N. Watson-Haigh, B. Xu, X. Feng, A. Piechatzek, <u>C. Shen</u>, M. Gilliham (2023), "SAI: an efficient and user-friendly tool for measurement of stomatal pores and density using deep computer vision", *New Phytologist*.
- 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*.
- Y. Liu, J. Zhang, D. Peng, M. Huang, X. Wang, J. Tang, C. Huang, D. Lin, <u>C. Shen</u>, X. Bai, L. Jin (2023), "SPTS v2: single-point scene text spotting", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- J. Liu, B. Zhuang, P. Chen, <u>C. Shen</u>, J. Cai, M. Tan (2023), "Single-path bit sharing for automatic loss-aware model compression", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- Y. Xie, J. Zhang, Y. Xia, <u>C. Shen</u> (2023), "Learning from partially labeled data for multi-organ and tumor segmentation", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- L. Wang, H. Zhang, Q. Xiao, H. Xu, <u>C. Shen</u>, X. Jin (2022), "Effective eyebrow matting with domain adaptation", *Computer Graphics Forum*.
- 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*.
- Y. Cai, Y. Liu, C. L. Jin, Y. Li, D. Ergu (2022), "Arbitrarily shaped scene text detection with dynamic convolution", *Pattern Recognition*.
- L. Cheng, P. Fang, Y. Liang, L. Zhang, <u>C. Shen</u>, H. Wang (2022), "TSGB: target-selective gradient backprop for probing CNN visual saliency", *IEEE Trans. Image Processing*.
- Z. Tian, C. Shen, H. Chen, T. He (2022), "FCOS: a simple and strong anchor-free object detector", IEEE Trans. Pattern Analysis and Machine Intelligence 44: 1922–1933.
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- L. Sun, W. Yin, E. Xie, Z. Li, C. Sun, <u>C. Shen</u> (2022), "Improving monocular visual odometry using learned depth", *IEEE Trans. Robotics*.
- X. Wang, R. Zhang, <u>C. Shen</u>, T. Kong (2022), "DenseCL: a simple framework for self-supervised dense visual pre-training", *Visual Informatics*.
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- H. Zhang, Y. Li, H. Chen, C. Gong, Z. Bai, <u>C. Shen</u> (2021), "Memory-efficient hierarchical neural architecture search for image restoration", *Int'l J. Computer Vision*.
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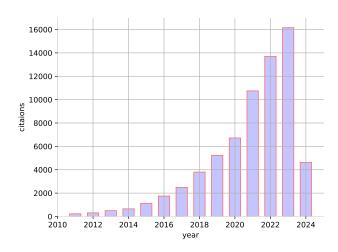


Figure 1: Google scholar citation as of  $2 \cdot 4 \cdot 2024$