## Refereed Publications (404)

Refereed journal articles (167)

- 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. 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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- 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*.
- 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*.
- 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, <u>C. Shen</u>, 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*.
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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, C. Shen, T. Kong (2022), "DenseCL: a simple framework for self-supervised dense visual pre-training", *Visual Informatics*.
- Y. Cui, D. Guo, Y. Shao, Z. Wang, <u>C. Shen</u>, L. Zhang, S. Chen (2021), "Joint classification and regression for visual tracking with fully convolutional Siamese networks", *Int'l J. Computer Vision*.
- 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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- Proc. IEEE Int. Conf. Robotics & Automation (ICRA)
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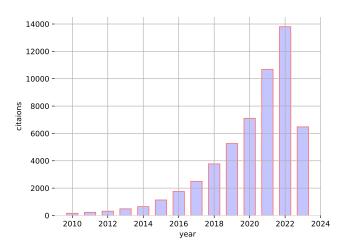


Figure 1: Google scholar citation as of  $3 \cdot 6 \cdot 2023$