

## Refereed Publications (418)

### REFEREED JOURNAL ARTICLES (171)

- 1 2023 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*.
- 2 M. Lin, M. Chen, Y. Zhang, C. Shen, R. Ji, L. Cao (2023), “Super vision transformer”, *Int'l J. Computer Vision*.
- 3 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*.
- 4 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*.
- 5 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*.
- 6 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*.
- 7 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*.
- 8 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*.
- 9 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*.
- 10 2022 L. Wang, H. Zhang, Q. Xiao, H. Xu, C. Shen, X. Jin (2022), “Effective eyebrow matting with domain adaptation”, *Computer Graphics Forum*.
- 11 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*.
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- 13 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*.
- 14 T. He, C. Shen, A. van den Hengel (2022), “Dynamic convolution for 3D point cloud instance segmentation”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 15 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*.
- 16 W. Yin, J. Zhang, O. Wang, S. Niklaus, S. Chen, Y. Liu, C. Shen (2022), “Towards accurate reconstruction of 3D scene shape from a single monocular image”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 17 Z. Tian, B. Zhang, H. Chen, C. Shen (2022), “Instance and panoptic segmentation using conditional convolutions”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 18 L. Sun, W. Yin, E. Xie, Z. Li, C. Sun, C. Shen (2022), “Improving monocular visual odometry using learned depth”, *IEEE Trans. Robotics*.
- 19 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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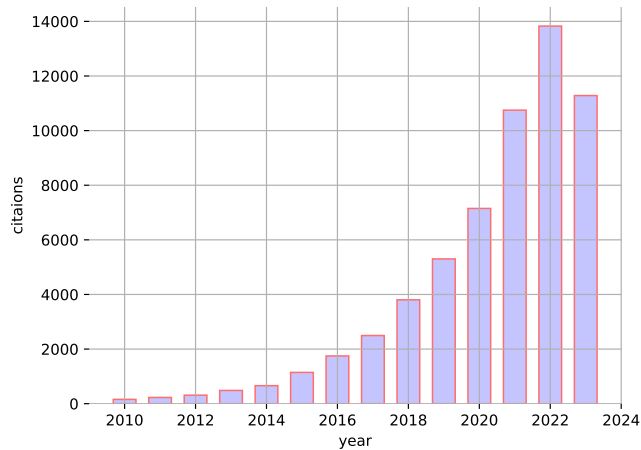


Figure 1: Google scholar citation as of 22-9-2023