## Refereed Publications (419)

Refereed journal articles (172)

- 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, C. Shen, 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*.
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- 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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- 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*.
- T. He, C. Shen, A. van den Hengel (2022), "Dynamic convolution for 3D point cloud instance segmentation", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 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*.
- W. Yin, J. Zhang, O. Wang, S. Niklaus, S. Chen, Y. Liu, <u>C. Shen</u> (2022), "Towards accurate reconstruction of 3D scene shape from a single monocular image", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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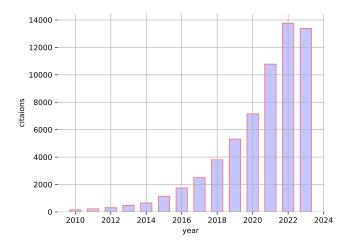


Figure 1: Google scholar citation as of 8-11-2023