## Refereed Publications (397)

Refereed journal articles (163)

- 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. 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*.
- 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, <u>C. Shen</u> (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*.
- Z. Tian, B. Zhang, H. Chen, <u>C. Shen</u> (2022), "Instance and panoptic segmentation using conditional convolutions", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- 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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- C. Yu, C. Gao, J. Wang, G. Yu, <u>C. Shen</u>, N. Sang (2021), "BiSeNet v2: bilateral network with guided aggregation for real-time semantic segmentation", *Int'l J. Computer Vision*.
- N. Wang, Y. Gao, H. Chen, P. Wang, Z. Tian, <u>C. Shen</u>, Y. Zhang (2021), "NAS-FCOS: efficient search for object detection architectures", *Int'l J. Computer Vision*.
- J. Bian, H. Zhan, N. Wang, Z. Li, L. Zhang, <u>C. Shen</u>, M. Cheng, I. Reid (2021), "Unsupervised scale-consistent depth learning from video", *Int'l J. Computer Vision*.
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- L. Tian, P. Wang, G. Liang, <u>C. Shen</u> (2021), "An adversarial human pose estimation network injected with graph structure", *Pattern Recognition*.
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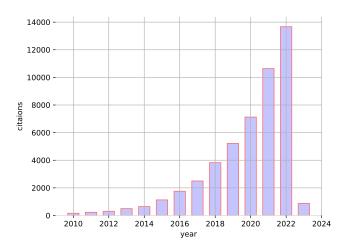


Figure 1: Google scholar citation as of 21·1·2023