

## Refereed Publications (419)

### REFEREED JOURNAL ARTICLES (172)

- 1 2023 M. Lin, M. Chen, Y. Zhang, C. Shen, R. Ji, L. Cao (2023), “[Super vision transformer](#)”, *Int’l J. Computer Vision*.
- 2 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*.
- 3 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*.
- 4 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*.
- 5 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*.
- 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 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*.
- 8 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*.
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- 11 2022 L. Wang, H. Zhang, Q. Xiao, H. Xu, C. Shen, X. Jin (2022), “[Effective eyebrow matting with domain adaptation](#)”, *Computer Graphics Forum*.
- 12 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*.
- 13 Y. Cai, Y. Liu, C. L. Jin, Y. Li, D. Ergu (2022), “[Arbitrarily shaped scene text detection with dynamic convolution](#)”, *Pattern Recognition*.
- 14 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*.
- 15 T. He, C. Shen, A. van den Hengel (2022), “[Dynamic convolution for 3D point cloud instance segmentation](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 16 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*.
- 17 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*.
- 18 Z. Tian, B. Zhang, H. Chen, C. Shen (2022), “[Instance and panoptic segmentation using conditional convolutions](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- 20 X. Wang, R. Zhang, C. Shen, T. Kong (2022), “[DenseCL: a simple framework for self-supervised dense visual pre-training](#)”, *Visual Informatics*.
- 21 2021 Y. Cui, D. Guo, Y. Shao, Z. Wang, C. Shen, L. Zhang, S. Chen (2021), “[Joint classification and regression for visual tracking with fully convolutional Siamese networks](#)”, *Int’l J. Computer Vision*.
- 22 H. Zhang, Y. Li, H. Chen, C. Gong, Z. Bai, C. Shen (2021), “[Memory-efficient hierarchical neural architecture search for image restoration](#)”, *Int’l J. Computer Vision*.
- 23 Q. Yan, D. Gong, Q. Shi, A. van den Hengel, C. Shen, I. Reid, Y. Zhang (2021), “[A dual-attention-guided network for ghost-free high dynamic range imaging](#)”, *Int’l J. Computer Vision*.
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- 25 N. Wang, Y. Gao, H. Chen, P. Wang, Z. Tian, C. Shen, Y. Zhang (2021), “[NAS-FCOS: efficient search for object detection architectures](#)”, *Int’l J. Computer Vision*.
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- W. Yin, Y. Liu, C. Shen (2021), “Virtual normal: enforcing geometric constraints for accurate and robust depth prediction”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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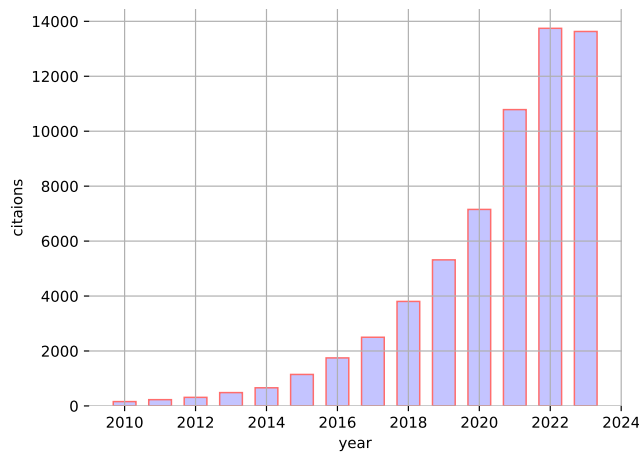


Figure 1: Google scholar citation as of 14.11.2023