

## Refereed Publications (363)

### REFEREED JOURNAL ARTICLES (151)

- 1 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*.
- 2 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*.
- 3 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*.
- 4 C. Yu, C. Gao, J. Wang, G. Yu, C. Shen, N. Sang (2021), “[BiSeNet v2: bilateral network with guided aggregation for real-time semantic segmentation](#)”, *Int'l J. Computer Vision*.
- 5 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*.
- 6 J. Bian, H. Zhan, N. Wang, Z. Li, L. Zhang, C. Shen, M. Cheng, I. Reid (2021), “[Unsupervised scale-consistent depth learning from video](#)”, *Int'l J. Computer Vision*.
- 7 Y. Liu, T. He, H. Chen, X. Wang, C. Luo, S. Zhang, C. Shen, L. Jin (2021), “[Exploring the capacity of an orderless box discretization network for multi-orientation scene text detection](#)”, *Int'l J. Computer Vision*.
- 8 Y. Zhao, X. Yu, Y. Gao, C. Shen (2021), “[Learning discriminative region representation for person retrieval](#)”, *Pattern Recognition*.
- 9 Y. Zhao, C. Shen, X. Yu, H. Chen, Y. Gao, S. Xiong (2021), “[Learning deep part-aware embedding for person retrieval](#)”, *Pattern Recognition*.
- 10 L. Tian, P. Wang, G. Liang, C. Shen (2021), “[An adversarial human pose estimation network injected with graph structure](#)”, *Pattern Recognition*.
- 11 Y. Xie, J. Zhang, Z. Liao, J. Verjans, C. Shen, Y. Xia (2021), “[Intra- and inter-pair consistency for semi-supervised gland segmentation](#)”, *IEEE Trans. Image Processing*.
- 12 X. Wang, R. Zhang, C. Shen, T. Kong, L. Li (2021), “[SOLO: a simple framework for instance segmentation](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 13 Y. Liu, C. Shen, L. Jin, T. He, P. Chen, C. Liu, H. Chen (2021), “[ABCNet v2: adaptive bezier-curve network for real-time end-to-end text spotting](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 14 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*.
- 15 P. Wang, H. Li, C. Shen (2021), “[Towards end-to-end text spotting in natural scenes](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 16 W. Wang, E. Xie, X. Li, X. Liu, D. Liang, Z. Yang, T. Lu, C. Shen (2021), “[PAN++: towards efficient and accurate end-to-end spotting of arbitrarily-shaped text](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 17 B. Zhuang, J. Liu, M. Tan, L. Liu, I. Reid, C. Shen (2021), “[Effective training of convolutional neural networks with low-bitwidth weights and activations](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 18 2020 G. Pang, C. Shen, L. Cao, A. van den Hengel (2020), “[Deep learning for anomaly detection: a review](#)”, *ACM Computing Surveys*.
- 19 Y. Dai, H. Lu, C. Shen (2020), “[Towards light-weight portrait matting via parameter sharing](#)”, *Computer Graphics Forum*.
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- 21 H. Xiong, Z. Cao, H. Lu, S. Madec, L. Liu, C. Shen (2020), “[TasselNetv2: in-field counting of wheat spikes with context-augmented local regression networks](#)”, *Plant Methods*.
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- 23 X. Zhang, R. Zhang, J. Cao, D. Gong, M. You, C. Shen (2020), “[Part-guided attention learning for vehicle instance retrieval](#)”, *IEEE Trans. Intelligent Transportation Systems*.
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- 26 L. Liu, Z. Cao, H. Lu, H. Xiong, C. Shen (2020), “[NSSNet: scale-aware object counting with non-scale suppression](#)”, *IEEE Trans. Circuits and Systems for Video Technology*.

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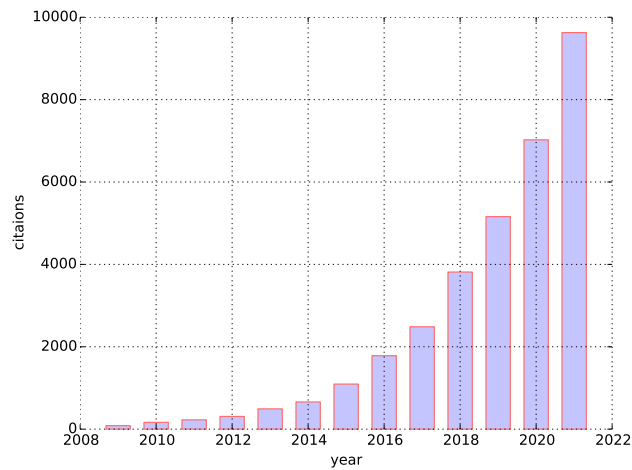


Figure 1: Google scholar citation as of 13.12.2021