

## Refereed Publications (375)

### REFEREED JOURNAL ARTICLES (157)

- 1 2022 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*.
- 2 Y. Cai, Y. Liu, C. L. Jin, Y. Li, D. Ergu (2022), “[Arbitrarily shaped scene text detection with dynamic convolution](#)”, *Pattern Recognition*.
- 3 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*.
- 4 Z. Tian, B. Zhang, H. Chen, C. Shen (2022), “[Instance and panoptic segmentation using conditional convolutions](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 5 L. Sun, W. Yin, E. Xie, Z. Li, C. Sun, C. Shen (2022), “[Improving monocular visual odometry using learned depth](#)”, *IEEE Trans. Robotics*.
- 6 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*.
- 7 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*.
- 8 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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- 13 Y. Zhao, X. Yu, Y. Gao, C. Shen (2021), “[Learning discriminative region representation for person retrieval](#)”, *Pattern Recognition*.
- 14 Y. Zhao, C. Shen, X. Yu, H. Chen, Y. Gao, S. Xiong (2021), “[Learning deep part-aware embedding for person retrieval](#)”, *Pattern Recognition*.
- 15 L. Tian, P. Wang, G. Liang, C. Shen (2021), “[An adversarial human pose estimation network injected with graph structure](#)”, *Pattern Recognition*.
- 16 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*.
- 17 J. Bian, H. Zhan, N. Wang, T. Chin, C. Shen, I. Reid (2021), “[Auto-rectify network for unsupervised indoor depth estimation](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 18 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*.
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- 23 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*.
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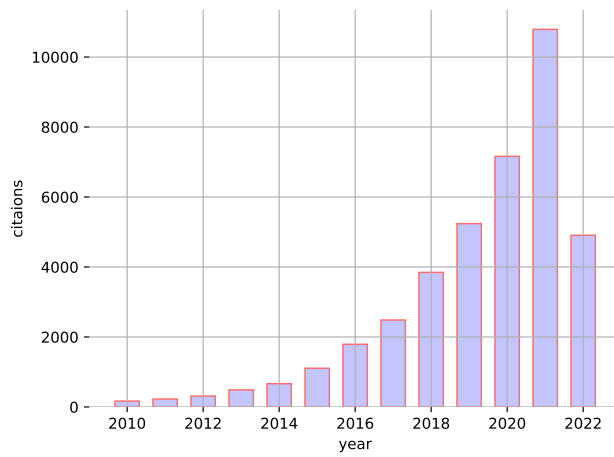


Figure 1: Google scholar citation as of 4.6.2022