## Refereed Publications (374)

Refereed journal articles (156)

- 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*.
- 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*.
- L. Sun, W. Yin, E. Xie, Z. Li, C. Sun, <u>C. Shen</u> (2022), "Improving monocular visual odometry using learned depth", *IEEE Trans. Robotics*.
- Y. Cui, D. Guo, Y. Shao, Z. Wang, <u>C. Shen</u>, L. Zhang, S. Chen (2021), "Joint classification and regression for visual tracking with fully convolutional Siamese networks", *Int'l J. Computer Vision*.
- 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*.
- Q. Yan, D. Gong, Q. Shi, A. van den Hengel, <u>C. Shen</u>, 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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- Y. Zhao, X. Yu, Y. Gao, <u>C. Shen</u> (2021), "Learning discriminative region representation for person retrieval", Pattern Recognition.
- Y. Zhao, <u>C. Shen</u>, X. Yu, H. Chen, Y. Gao, S. Xiong (2021), "Learning deep part-aware embedding for person retrieval", *Pattern Recognition*.
- L. Tian, P. Wang, G. Liang, <u>C. Shen</u> (2021), "An adversarial human pose estimation network injected with graph structure", *Pattern Recognition*.
- Y. Xie, J. Zhang, Z. Liao, J. Verjans, <u>C. Shen</u>, Y. Xia (2021), "Intra- and inter-pair consistency for semi-supervised gland segmentation", *IEEE Trans. Image Processing*.
- J. Bian, H. Zhan, N. Wang, T. Chin, <u>C. Shen</u>, I. Reid (2021), "Auto-rectify network for unsupervised indoor depth estimation", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- X. Wang, R. Zhang, <u>C. Shen</u>, T. Kong, L. Li (2021), "SOLO: a simple framework for instance segmentation", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- Proc. ACM SIGKKD Conf. Knowledge Discovery and Data Mining (KDD)
- Proc. IEEE Int. Conf. Robotics & Automation (ICRA)
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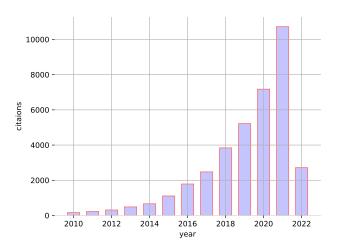


Figure 1: Google scholar citation as of  $30 \cdot 3 \cdot 2022$