# Refereed Publications (392)

Refereed Journal Articles (161)

- 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, <u>C. Shen</u>, A. van den Hengel (2022), "Dynamic convolution for 3D point cloud instance segmentation", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 6 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*.
- 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*.
- 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, C. Shen, 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*.
- Y. Liu, T. He, H. Chen, X. Wang, C. Luo, S. Zhang, <u>C. Shen</u>, L. Jin (2021), "Exploring the capacity of an orderless box discretization network for multi-orientation scene text detection", *Int'l J. Computer Vision*.
- 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*.
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- 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*.
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- Y. Liu, <u>C. Shen</u>, 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*.
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- 48 H. Lu, Y. Dai, <u>C. Shen</u>, S. Xu (2020), "Index networks", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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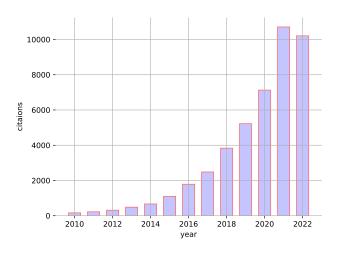


Figure 1: Google scholar citation as of 14·10·2022