## Refereed Publications (319)

Refereed Journal Articles (134)

- L. Tian, P. Wang, G. Liang, <u>C. Shen</u> (2021), "An adversarial human pose estimation network injected with graph structure", *Pattern Recognition*.
- G. Pang, C. Shen, L. Cao, A. van den Hengel (2020), "Deep learning for anomaly detection: a review", *ACM Computing Surveys*.
- Y. Dai, H. Lu, <u>C. Shen</u> (2020), "Towards light-weight portrait matting via parameter sharing", *Computer Graphics Forum*.
- C. Luo, Q. Lin, Y. Liu, L. Jin, <u>C. Shen</u> (2020), "Separating content from style using adversarial learning for recognizing text in the wild", *Int'l J. Computer Vision*.
- H. Xiong, Z. Cao, H. Lu, S. Madec, L. Liu, <u>C. Shen</u> (2020), "TasselNetv2: in-field counting of wheat spikes with context-augmented local regression networks", *Plant Methods*.
- Y. Zhao, Y. Liu, <u>C. Shen</u>, Y. Gao, S. Xiong (2020), "MobileFAN: transferring deep hidden representation for face alignment", *Pattern Recognition*.
- X. Zhang, R. Zhang, J. Cao, D. Gong, M. You, <u>C. Shen</u> (2020), "Part-guided attention learning for vehicle instance retrieval", *IEEE Trans. Intelligent Transportation Systems*.
- G. Dong, Y. Yan, <u>C. Shen</u>, H. Wang (2020), "Real-time high-performance semantic image segmentation of urban street scenes", *IEEE Trans. Intelligent Transportation Systems*.
- L. Zhang, P. Wang, H. Li, Z. Li, <u>C. Shen</u>, Y. Zhang (2020), "A robust attentional framework for license plate recognition in the wild", *IEEE Trans. Intelligent Transportation Systems*.
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- Y. Xie, J. Zhang, Y. Xia, <u>C. Shen</u> (2020), "A mutual bootstrapping model for automated skin lesion segmentation and classification", *IEEE Trans. Medical Imaging*.
- S. Zhang, Y. Liu, L. Jin, Z. Wei, <u>C. Shen</u> (2020), "OPMP: an omni-directional pyramid mask proposal network for arbitrary-shape scene text detection", *IEEE Trans. Multimedia*.
- Y. Yan, Y. Huang, S. Chen, <u>C. Shen</u>, H. Wang (2020), "Joint deep learning of facial expression synthesis and recognition", *IEEE Trans. Multimedia*.
- X. Peng, H. Zhu, J. Feng, <u>C. Shen</u>, H. Zhang, J. Zhou (2020), "Deep clustering with sample-assignment invariance prior", *IEEE Trans. Neural Networks and Learning Systems*.
- D. Gong, Z. Zhang, Q. Shi, A. van den Hengel, <u>C. Shen</u>, Y. Zhang (2020), "Learning deep gradient descent optimization for image deconvolution", *IEEE Trans. Neural Networks and Learning Systems*.
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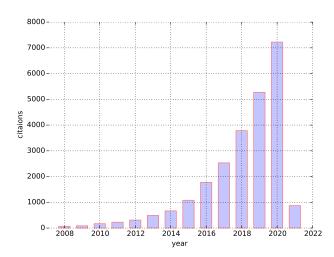


Figure 1: Google scholar citation as of 16·2·2021