## Refereed Publications (355)

Refereed Journal Articles (145)

- 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*.
- 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*.
- P. Wang, H. Li, <u>C. Shen</u> (2021), "Towards end-to-end text spotting in natural scenes", *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- 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*.
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- 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, C. Shen, 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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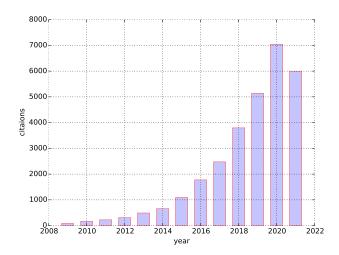


Figure 1: Google scholar citation as of 19.8.2021