

## Refereed Publications (360)

### REFEREED JOURNAL ARTICLES (148)

- 1 2021 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*.
- 2 C. Yu, C. Gao, J. Wang, G. Yu, C. Shen, N. Sang (2021), “BiSeNet v2: bilateral network with guided aggregation for real-time semantic segmentation”, *Int’l J. Computer Vision*.
- 3 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*.
- 4 J. Bian, H. Zhan, N. Wang, Z. Li, L. Zhang, C. Shen, M. Cheng, I. Reid (2021), “Unsupervised scale-consistent depth learning from video”, *Int’l J. Computer Vision*.
- 5 Y. Liu, T. He, H. Chen, X. Wang, C. Luo, S. Zhang, C. Shen, L. Jin (2021), “Exploring the capacity of an orderless box discretization network for multi-orientation scene text detection”, *Int’l J. Computer Vision*.
- 6 Y. Zhao, X. Yu, Y. Gao, C. Shen (2021), “Learning discriminative region representation for person retrieval”, *Pattern Recognition*.
- 7 Y. Zhao, C. Shen, X. Yu, H. Chen, Y. Gao, S. Xiong (2021), “Learning deep part-aware embedding for person retrieval”, *Pattern Recognition*.
- 8 L. Tian, P. Wang, G. Liang, C. Shen (2021), “An adversarial human pose estimation network injected with graph structure”, *Pattern Recognition*.
- 9 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*.
- 10 Y. Liu, C. Shen, 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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- 13 W. Wang, E. Xie, X. Li, X. Liu, D. Liang, Z. Yang, T. Lu, C. Shen (2021), “PAN++: towards efficient and accurate end-to-end spotting of arbitrarily-shaped text”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 14 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*.
- 15 2020 G. Pang, C. Shen, L. Cao, A. van den Hengel (2020), “Deep learning for anomaly detection: a review”, *ACM Computing Surveys*.
- 16 Y. Dai, H. Lu, C. Shen (2020), “Towards light-weight portrait matting via parameter sharing”, *Computer Graphics Forum*.
- 17 C. Luo, Q. Lin, Y. Liu, L. Jin, C. Shen (2020), “Separating content from style using adversarial learning for recognizing text in the wild”, *Int’l J. Computer Vision*.
- 18 H. Xiong, Z. Cao, H. Lu, S. Madec, L. Liu, C. Shen (2020), “TasselNetv2: in-field counting of wheat spikes with context-augmented local regression networks”, *Plant Methods*.
- 19 Y. Zhao, Y. Liu, C. Shen, Y. Gao, S. Xiong (2020), “MobileFAN: transferring deep hidden representation for face alignment”, *Pattern Recognition*.
- 20 X. Zhang, R. Zhang, J. Cao, D. Gong, M. You, C. Shen (2020), “Part-guided attention learning for vehicle instance retrieval”, *IEEE Trans. Intelligent Transportation Systems*.
- 21 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*.
- 22 L. Zhang, P. Wang, H. Li, Z. Li, C. Shen, Y. Zhang (2020), “A robust attentional framework for license plate recognition in the wild”, *IEEE Trans. Intelligent Transportation Systems*.
- 23 L. Liu, Z. Cao, H. Lu, H. Xiong, C. Shen (2020), “NSSNet: scale-aware object counting with non-scale suppression”, *IEEE Trans. Circuits and Systems for Video Technology*.
- 24 L. Zhang, P. Wang, L. Liu, C. Shen, W. Wei, Y. Zhang, A. van den Hengel (2020), “Towards effective deep embedding for zero-shot learning”, *IEEE Trans. Circuits and Systems for Video Technology*.
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H. Zhang, Y. Li, Y. Jiang, P. Wang, Q. Shen, C. Shen (2019), “Hyperspectral classification based on lightweight 3D-CNN with transfer learning”, *IEEE Trans. Geoscience and Remote Sensing*.

X. Wei, P. Wang, L. Liu, C. Shen, J. Wu (2019), “Piecewise classifier mappings: learning fine-grained learners for novel categories with few examples”, *IEEE Trans. Image Processing*.

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- T. Zhang, G. Lin, J. Cai, T. Shen, C. Shen, A. Kot (2019), “Decoupled spatial neural attention for weakly supervised semantic segmentation”, *IEEE Trans. Multimedia*.
- G. Lin, F. Liu, A. Milan, C. Shen, I. Reid (2019), “RefineNet: multi-path refinement networks for dense prediction”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
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- N. Zhuang, Y. Yan, S. Chen, H. Wang, C. Shen (2018), “Multi-label learning based deep transfer neural network for facial attribute classification”, *Pattern Recognition*.
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#### REFEREED TOP CONFERENCE ARTICLES IN COMPUTER VISION AND MACHINE LEARNING (140)

- *Proc. Annual Conf. Neural Information Processing Systems (NeurIPS)*
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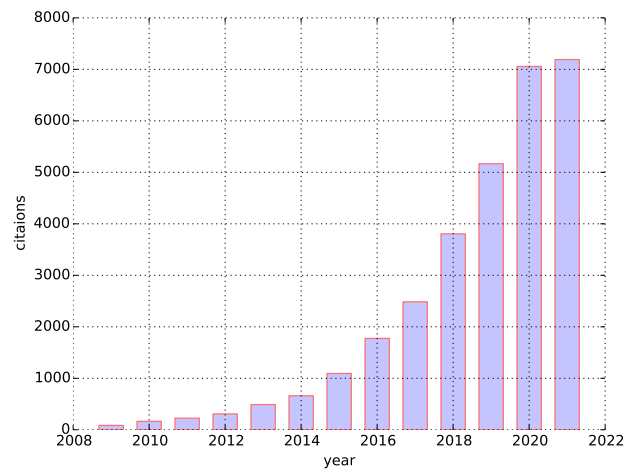


Figure 1: Google scholar citation as of 29-9-2021