

## Refereed Publications (319)

### REFEREED JOURNAL ARTICLES (134)

- 1 2021 L. Tian, P. Wang, G. Liang, C. Shen (2021), “[An adversarial human pose estimation network injected with graph structure](#)”, *Pattern Recognition*.
- 2 2020 G. Pang, C. Shen, L. Cao, A. van den Hengel (2020), “[Deep learning for anomaly detection: a review](#)”, *ACM Computing Surveys*.
- 3 Y. Dai, H. Lu, C. Shen (2020), “[Towards light-weight portrait matting via parameter sharing](#)”, *Computer Graphics Forum*.
- 4 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*.
- 5 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*.
- 6 Y. Zhao, Y. Liu, C. Shen, Y. Gao, S. Xiong (2020), “[MobileFAN: transferring deep hidden representation for face alignment](#)”, *Pattern Recognition*.
- 7 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*.
- 8 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*.
- 9 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*.
- 10 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*.
- 11 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*.
- 12 J. Zhang, Y. Xie, Z. Liao, G. Pang, J. Verjans, W. Li, Z. Sun, J. He, Y. Li, C. Shen, Y. Xia (2020), “[Viral pneumonia screening on chest x-ray images using confidence-aware anomaly detection](#)”, *IEEE Trans. Medical Imaging*.
- 13 Y. Xie, J. Zhang, H. Lu, C. Shen, Y. Xia (2020), “[SESV: accurate medical image segmentation by predicting and correcting errors](#)”, *IEEE Trans. Medical Imaging*.
- 14 Y. Xie, J. Zhang, Y. Xia, C. Shen (2020), “[A mutual bootstrapping model for automated skin lesion segmentation and classification](#)”, *IEEE Trans. Medical Imaging*.
- 15 S. Zhang, Y. Liu, L. Jin, Z. Wei, C. Shen (2020), “[OPMP: an omni-directional pyramid mask proposal network for arbitrary-shape scene text detection](#)”, *IEEE Trans. Multimedia*.
- 16 Y. Yan, Y. Huang, S. Chen, C. Shen, H. Wang (2020), “[Joint deep learning of facial expression synthesis and recognition](#)”, *IEEE Trans. Multimedia*.
- 17 X. Peng, H. Zhu, J. Feng, C. Shen, H. Zhang, J. Zhou (2020), “[Deep clustering with sample-assignment invariance prior](#)”, *IEEE Trans. Neural Networks and Learning Systems*.
- 18 D. Gong, Z. Zhang, Q. Shi, A. van den Hengel, C. Shen, Y. Zhang (2020), “[Learning deep gradient descent optimization for image deconvolution](#)”, *IEEE Trans. Neural Networks and Learning Systems*.
- 19 L. Zhang, W. Wei, Q. Shi, C. Shen, A. van den Hengel, Y. Zhang (2020), “[Accurate tensor completion via adaptive low-rank representation](#)”, *IEEE Trans. Neural Networks and Learning Systems*.
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- 21 J. Cao, Y. Guo, Q. Wu, C. Shen, J. Huang, M. Tan (2020), “[Improving generative adversarial networks with local coordinate coding](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 22 H. Lu, Y. Dai, C. Shen, S. Xu (2020), “[Index networks](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 23 Y. Liu, C. Shun, J. Wang, C. Shen (2020), “[Structured knowledge distillation for dense prediction](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 24 Y. Zhou, R. Ji, J. Su, X. Sun, D. Meng, Y. Gao, C. Shen (2020), “[Plenty is plague: fine-grained learning for visual question answering](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 25 L. Zhang, Z. Shi, J. Zhou, M. Cheng, Y. Liu, J. Bian, Z. Zeng, C. Shen (2020), “[Ordered or orderless: a revisit for video based person re-identification](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 26 Y. Chen, C. Shen, H. Chen, X. Wei, L. Liu, J. Yang (2020), “[Adversarial learning of structure-aware fully convolutional networks for landmark localization](#)”, *IEEE Trans. Pattern Analysis and Machine Intelligence* 42:

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- 34 L. Liu, H. Lu, H. Xiong, K. Xian, Z. Cao, C. Shen (2019), “Counting objects by blockwise classification”, *IEEE Trans. Circuits and Systems for Video Technology*.
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- 36 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*.
- 37 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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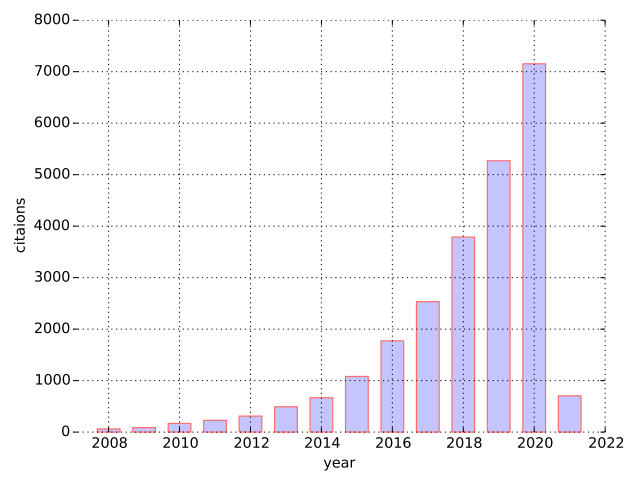


Figure 1: Google scholar citation as of 9-2-2021