

## Refereed Publications (361)

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- 1 2021 H. Zhang, Y. Li, H. Chen, C. Gong, Z. Bai, C. Shen (2021), “Memory-efficient hierarchical neural architecture search for image restoration”, *Int’l J. Computer Vision*.
- 2 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*.
- 3 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*.
- 4 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*.
- 5 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*.
- 6 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*.
- 7 Y. Zhao, X. Yu, Y. Gao, C. Shen (2021), “Learning discriminative region representation for person retrieval”, *Pattern Recognition*.
- 8 Y. Zhao, C. Shen, X. Yu, H. Chen, Y. Gao, S. Xiong (2021), “Learning deep part-aware embedding for person retrieval”, *Pattern Recognition*.
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- 10 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*.
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- 13 P. Wang, H. Li, C. Shen (2021), “Towards end-to-end text spotting in natural scenes”, *IEEE Trans. Pattern Analysis and Machine Intelligence*.
- 14 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*.
- 15 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*.
- 16 2020 G. Pang, C. Shen, L. Cao, A. van den Hengel (2020), “Deep learning for anomaly detection: a review”, *ACM Computing Surveys*.
- 17 Y. Dai, H. Lu, C. Shen (2020), “Towards light-weight portrait matting via parameter sharing”, *Computer Graphics Forum*.
- 18 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*.
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- 38 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*.
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- 46 Y. Zhao, C. Shen, H. Wang, S. Chen (2019), “[Structural analysis of attributes for vehicle re-identification and retrieval](#)”, *IEEE Trans. Intelligent Transportation Systems*.
- 47 X. Wang, C. Shen, H. Li, S. Xu (2019), “[Human detection aided by deeply learned semantic masks](#)”, *IEEE Trans. Circuits and Systems for Video Technology*.
- 48 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*.
- 49 W. Liu, P. Zhang, X. Chen, C. Shen, X. Huang, J. Yang (2019), “[Embedding bilateral filter in least squares for efficient edge-preserving image smoothing](#)”, *IEEE Trans. Circuits and Systems for Video Technology*.
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#### REFEREED TOP CONFERENCE ARTICLES IN COMPUTER VISION AND MACHINE LEARNING (140)

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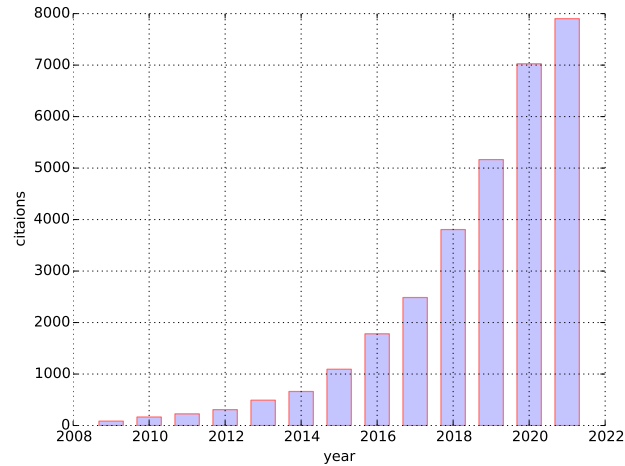


Figure 1: Google scholar citation as of 18.10.2021