

Zhemin Duan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

135
citations

1478505

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1372567

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26
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times ranked

174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Accurate On-Chip Temperature Sensing for Multicore Processors Using Embedded Thermal Sensors. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 2328-2341. | 3.1 | 10 |
| 2 | Sub-Frame Layer Rate Distortion Optimization for High Efficiency Video Coding. IEEE Access, 2020, 8, 53116-53132. | 4.2 | 2 |
| 3 | The Improved Algorithm of Sample Adaptive Offset Based on Visual Saliency. Frontiers in Artificial Intelligence and Applications, 2020, , . | 0.3 | 1 |
| 4 | Research on Target Object Recognition Based on Transfer-Learning Convolutional SAE in Intelligent Urban Construction. IEEE Access, 2019, 7, 125357-125368. | 4.2 | 2 |
| 5 | GOP Level Quality Dependency Based Frame Level Rate Control Algorithm. , 2019, , . | | 2 |
| 6 | High-Resolution Thermal Maps Extraction of Multi-Core Processors Based on Convolutional Neural Networks. , 2019, , . | | 3 |
| 7 | All zero block detection for HEVC based on the quantization level of the maximum transform coefficient. Multimedia Tools and Applications, 2019, 78, 363-387. | 3.9 | 2 |
| 8 | Parallel Content-Aware Adaptive Quantization-Oriented Lossy Frame Memory Recompression for HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 958-971. | 8.3 | 10 |
| 9 | On-Line Temperature Estimation for Noisy Thermal Sensors Using a Smoothing Filter-Based Kalman Predictor. Sensors, 2018, 18, 433. | 3.8 | 8 |
| 10 | Saliency-based coding tree unit-level rate control for high-efficiency video coding. Journal of Electronic Imaging, 2018, 27, 1. | 0.9 | 1 |
| 11 | Image super-resolution reconstruction based on adaptive selection regularization parameter. , 2017, , . | | 0 |
| 12 | Image super-resolution using nonlocally centralized sparse representation and fields of experts priors. , 2017, , . | | 1 |
| 13 | Fast thermal sensor allocation algorithms for overheating detection of real microprocessors. , 2017, , . | | 1 |
| 14 | Techniques for overheating detection and sensor allocation in a real dual-core processor. , 2017, , . | | 0 |
| 15 | Complexity control for HEVC by visual saliency detection. , 2016, , . | | 1 |
| 16 | Image super-resolution reconstruction based on fusion of K-SVD and semi-coupled dictionary learning. , 2016, , . | | 3 |
| 17 | Lossless Frame Memory Compression Using Pixel-Grain Prediction and Dynamic Order Entropy Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 223-235. | 8.3 | 29 |
| 18 | A Fast Coding Unit Depth Decision Algorithm for HEVC Inter Prediction. , 2015, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | An efficient all zero block detection algorithm based on frequency characteristics of DCT in HEVC. , 2015, , . | | 1 |
| 20 | Pixel-grain prediction and K-order UEG-rice entropy coding oriented lossless frame memory compression for motion estimation in HEVC. , 2015, , . | | 0 |
| 21 | A new swarm-SVM-based fault diagnosis approach for switched current circuit by using kurtosis and entropy as a preprocessor. Analog Integrated Circuits and Signal Processing, 2014, 81, 289-297. | 1.4 | 20 |
| 22 | An efficient interpolation filter VLSI architecture for HEVC standard. , 2014, , . | | 11 |
| 23 | Cutting the Electricity Cost of Distributed Datacenters Through Smart Workload Dispatching. IEEE Communications Letters, 2013, 17, 2384-2387. | 4.1 | 12 |
| 24 | New Method Based on Curvelet Transform for Image Denoising. , 2010, , . | | 4 |
| 25 | Comparison of Different Virtual MIMO Detection Schemes for 3GPP LTE. , 2009, , . | | 8 |
| 26 | Methods of Time Offset Estimation and Performance Evaluation of Synchronization for 3GPP LTE Downlink. , 2009, , . | | 0 |