

Wen-Hsiao Peng

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

292
citations

1307594

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1588992

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39
all docs

39
docs citations

39
times ranked

239
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Standardization Status of Immersive Video Coding. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 5-17. | 3.6 | 63 |
| 2 | Reinforcement Learning for HEVC/H.265 Intra-Frame Rate Control. , 2018, , . | | 26 |
| 3 | ANFIC: Image Compression Using Augmented Normalizing Flows. IEEE Open Journal of Circuits and Systems, 2021, 2, 613-626. | 1.9 | 21 |
| 4 | Fast Context-Adaptive Mode Decision Algorithm for Scalable Video Coding With Combined Coarse-Grain Quality Scalability (CGS) and Temporal Scalability. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 732-748. | 8.3 | 18 |
| 5 | Screen content coding using non-square intra block copy for HEVC. , 2014, , . | | 14 |
| 6 | HEVC/H.265 coding unit split decision using deep reinforcement learning. , 2017, , . | | 14 |
| 7 | Intra Line Copy for HEVC Screen Content Intra-Picture Prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1568-1579. | 8.3 | 13 |
| 8 | Reinforcement Learning for HEVC/H.265 Frame-level Bit Allocation. , 2018, , . | | 11 |
| 9 | An Interframe Prediction Technique Combining Template Matching Prediction and Block-Motion Compensation for High-Efficiency Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1432-1446. | 8.3 | 10 |
| 10 | Discriminatively-learned global image representation using CNN as a local feature extractor for image retrieval. , 2015, , . | | 10 |
| 11 | Design of Memory Sub-System with Constant-Rate Bumping Process for H.264/AVC Decoder. IEEE Transactions on Consumer Electronics, 2007, 53, 209-217. | 3.6 | 9 |
| 12 | Parametric OBMC for Pixel-Adaptive Temporal Prediction on Irregular Motion Sampling Grids. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 113-127. | 8.3 | 9 |
| 13 | A fast mode decision algorithm with macroblock-adaptive rate-distortion estimation for intra-only scalable video coding. , 2008, , . | | 7 |
| 14 | Guest Editorial Immersive Video Coding and Transmission. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 1-4. | 3.6 | 7 |
| 15 | SME-Net: Sparse Motion Estimation for Parametric Video Prediction Through Reinforcement Learning. , 2019, , . | | 7 |
| 16 | Bi-prediction combining template and block motion compensations. , 2011, , . | | 6 |
| 17 | Intra line copy for HEVC screen content coding. , 2014, , . | | 6 |
| 18 | Rate-Distortion Optimized SVC Bitstream Extraction for Heterogeneous Devices: A Preliminary Investigation. , 2007, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | On the analysis and design of motion sampling structure for advanced motion-compensated prediction. , 2010, , . | | 4 |
| 20 | Bit-plane compressive sensing with Bayesian decoding for lossy compression. , 2010, , . | | 4 |
| 21 | Adaptive Unknown Object Rearrangement Using Low-Cost Tabletop Robot. , 2020, , . | | 4 |
| 22 | A Synthesis-Quality-Oriented Depth Refinement Scheme for MPEG Free Viewpoint Television (FTV). , 2009, , . | | 3 |
| 23 | A comparative study on attention-based rate adaptation for scalable video coding. , 2009, , . | | 3 |
| 24 | Analysis of template matching prediction and its application to parametric overlapped block motion compensation. , 2010, , . | | 3 |
| 25 | Global image representation using Locality-constrained Linear Coding for large-scale image retrieval. , 2014, , . | | 3 |
| 26 | A reconfigurable video embedding transcoder based on H.264/AVC: Design tradeoffs and analysis. , 2008, , . | | 2 |
| 27 | Fast temporal prediction selection for H.264/AVC scalable video coding. , 2009, , . | | 2 |
| 28 | Learning Priors for Adversarial Autoencoders. , 2018, , . | | 2 |
| 29 | Multidimensional SVC bitstream adaptation and extraction for rate-distortion optimized heterogeneous multicasting and playback. , 2008, , . | | 1 |
| 30 | Bandwidth Efficient Video Streaming Based Upon Multipath SVC Multicasting. , 2008, , . | | 1 |
| 31 | Analytical mode-dependent rate and distortion models for H.264/SVC coarse grain scalability. , 2012, , . | | 1 |
| 32 | On comparison of intra line copy and intra string copy for HEVC screen content coding. , 2015, , . | | 1 |
| 33 | End-to-End Learned Image Compression with Augmented Normalizing Flows. , 2021, , . | | 1 |
| 34 | Fast Selection of INTRA CTU Partitioning in HEVC Encoders using Artificial Neural Networks. , 2021, , . | | 1 |
| 35 | Design space exploration of an H.264/AVC-based video embedding transcoder using transaction level modeling. , 2008, , . | | 0 |
| 36 | Mode-dependent distortion modeling for H.264/SVC coarse grain SNR scalability. , 2014, , . | | 0 |

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|----|---|-----|-----------|
| 37 | Guest Editorial Screen Content Video Coding and Applications. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2016, 6, 389-392. | 3.6 | 0 |
| 38 | Deep Video Prediction Through Sparse Motion Regularization. , 2020, , . | | 0 |
| 39 | Rate-Distortion Optimized SVC Bitstream Extraction for Heterogeneous Devices: A Preliminary Investigation. , 2007, , . | | 0 |