Wei Gao

List of Publications by Year
in descending order

46	774	687363 13	552781 26
papers	citations	h-index	g-index

46	46	46	551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unified No-Reference Quality Assessment of Singly and Multiply Distorted Stereoscopic Images. IEEE Transactions on Image Processing, 2019, 28, 1866-1881.	9.8	127
2	Unified Information Fusion Network for Multi-Modal RGB-D and RGB-T Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2091-2106.	8.3	72
3	SSIM-Based Game Theory Approach for Rate-Distortion Optimized Intra Frame CTU-Level Bit Allocation. IEEE Transactions on Multimedia, 2016, 18, 988-999.	7.2	62
4	Joint Machine Learning and Game Theory for Rate Control in High Efficiency Video Coding. IEEE Transactions on Image Processing, 2017, 26, 6074-6089.	9.8	51
5	SSIM-Based Global Optimization for CTU-Level Rate Control in HEVC. IEEE Transactions on Multimedia, 2019, 21, 1921-1933.	7.2	48
6	DCT Coefficient Distribution Modeling and Quality Dependency Analysis Based Frame-Level Bit Allocation for HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 139-153.	8.3	46
7	Rate Distortion Optimized Inter-View Frame Level Bit Allocation Method for MV-HEVC. IEEE Transactions on Multimedia, 2015, 17, 2134-2146.	7.2	38
8	Two-Branch Deep Neural Network for Underwater Image Enhancement in HSV Color Space. IEEE Signal Processing Letters, 2021, 28, 2152-2156.	3.6	33
9	Blind Image Quality Measurement by Exploiting High-Order Statistics With Deep Dictionary Encoding Network. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7398-7410.	4.7	32
10	Data-Driven Rate Control for Rate-Distortion Optimization in HEVC Based on Simplified Effective Initial QP Learning. IEEE Transactions on Broadcasting, 2019, 65, 94-108.	3.2	31
11	MMNet. , 2020, , .		23
12	Layer-Wise Geometry Aggregation Framework for Lossless LiDAR Point Cloud Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4603-4616.	8.3	22
13	Learning to disentangle scenes for person re-identification. Image and Vision Computing, 2021, 116, 104330.	4.5	18
14	Cross-Collaborative Fusion-Encoder Network for Robust RGB-Thermal Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7646-7661.	8.3	17
15	Sparse Bayesian Learning-Based Kernel Poisson Regression. IEEE Transactions on Cybernetics, 2019, 49, 56-68.	9.5	12
16	LGGD+: Image Retargeting Quality Assessment by Measuring Local and Global Geometric Distortions. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3422-3437.	8.3	11
17	SD-ICN: An interoperable deployment framework for software-defined information-centric networks. , 2014, , .		9
18	Consistent Quality Oriented Rate Control in HEVC Via Balancing Intra and Inter Frame Coding. IEEE Transactions on Industrial Informatics, 2022, 18, 1594-1604.	11.3	9

#	Article	IF	Citations
19	A Risk-Aware Pairwise Rank Learning Approach for Visual Discomfort Prediction of Stereoscopic 3D. IEEE Signal Processing Letters, 2019, 26, 1588-1592.	3.6	8
20	Low-rate Image Compression with Super-resolution Learning. , 2020, , .		8
21	Efficient Fast Algorithm and Parallel Hardware Architecture for Intra Prediction of AVS3. , 2021, , .		7
22	Deep Image Compression with Latent Optimization and Piece-wise Quantization Approximation. , 2021, , .		7
23	No-Reference Deep Quality Assessment of Compressed Light Field Images. , 2021, , .		7
24	Cross-Modality Fusion and Progressive Integration Network for Saliency Prediction on Stereoscopic 3D Images. IEEE Transactions on Multimedia, 2022, 24, 2435-2448.	7.2	7
25	Exploiting robust unsupervised video person reâ€identification. IET Image Processing, 2022, 16, 729-741.	2.5	7
26	Multiscale phase congruency analysis for image edge visual saliency detection. , 2016, , .		6
27	A Fast View Synthesis Implementation Method for Light Field Applications. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-20.	4.3	6
28	Accelerating Transform AlgorithmÂImplementation for Efficient Intra Coding of 8K UHD Videos. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-20.	4.3	6
29	Rate-Distortion Optimized Graph for Point Cloud Attribute Coding. IEEE Signal Processing Letters, 2022, 29, 922-926.	3.6	5
30	Lowâ€cost memory data scheduling method for reconfigurable FFT bitâ€reversal circuits. Electronics Letters, 2015, 51, 217-219.	1.0	4
31	Phase Congruency based edge saliency detection and rate control for perceptual image and video coding. , 2016, , .		4
32	Dynamic Computational Resource Allocation for Fast Inter Frame Coding in Video Conferencing Applications. , 2021, , .		4
33	Efficient Channel Pruning Based on Architecture Alignment and Probability Model Bypassing. , 2021, , .		4
34	PointOT: Interpretable Geometry-Inspired Point Cloud Generative Model via Optimal Transport. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6792-6806.	8.3	4
35	PU-Refiner: A Geometry Refiner with Adversarial Learning for Point Cloud Upsampling. , 2022, , .		4
36	Efficient Neural Network Compression Inspired by Compressive Sensing. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1965-1979.	11.3	4

#	Article	IF	Citations
37	Generalized relevance vector machine. , 2017, , .		2
38	A Multi-Objective Optimization Perspective for Joint Consideration of Video Coding Quality. , 2019, , .		2
39	A Rate Control Algorithm for Video-based Point Cloud Compression. , 2021, , .		2
40	Flow-Based Point Cloud Completion Network with Adversarial Refinement. , 2022, , .		2
41	JE²NET: Joint Exploitation and Exploration in Reinforcement Learning Based Image Restoration. , 2022, , .		2
42	Image Quality Assessmentâ€“driven Reinforcement Learning for Mixed Distorted Image Restoration. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-23.	4.3	1
43	A New Coding Unit Partitioning Mode for Screen Content Video Coding. , 2021, , .		0
44	On the Performance Evaluation of State-of-the-art Rate Control Algorithms for Practical Video Coding and Transmission Systems. , 2020, , .		0
45	An Efficient Rate Control Algorithm for Intra Frame Coding in AVS3. , 2021, , .		0
46	HIRL: Hybrid Image Restoration Based on Hierarchical Deep Reinforcement Learning via Two-Step Analysis. , 2022, , .		0