

Miaohui Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Efficient Geometry Surface Coding in V-PCC. IEEE Transactions on Multimedia, 2023, 25, 3329-3342.	7.2	4
2	Low-Light Images In-the-Wild: A Novel Visibility Perception-Guided Blind Quality Indicator. IEEE Transactions on Industrial Informatics, 2023, 19, 6026-6036.	11.3	2
3	Occupancy Map Guided Fast Video-Based Dynamic Point Cloud Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 813-825.	8.3	26
4	DCPR-GAN: Dental Crown Prosthesis Restoration Using Two-Stage Generative Adversarial Networks. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 151-160.	6.3	25
5	An efficient low-complexity block partition scheme for VVC intra coding. Journal of Real-Time Image Processing, 2022, 19, 161-172.	3.5	7
6	Perceptually Quasi-Lossless Compression of Screen Content Data Via Visibility Modeling and Deep Forecasting. IEEE Transactions on Industrial Informatics, 2022, 18, 6865-6875.	11.3	5
7	SAR Speckle Removal Using Hybrid Frequency Modulations. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3956-3966.	6.3	52
8	Deep Human Pose Estimation via Self-guided Learning. Lecture Notes in Computer Science, 2021, , 265-274.	1.3	0
9	Perceptual Redundancy Estimation of Screen Images via Multi-Domain Sensitivities. IEEE Signal Processing Letters, 2021, 28, 1440-1444.	3.6	9
10	Machine Learning-Based Rate Distortion Modeling for VVC/H.266 Intra-Frame. , 2021, , .		9
11	Efficient Computer-Aided Design of Dental Inlay Restoration: A Deep Adversarial Framework. IEEE Transactions on Medical Imaging, 2021, 40, 2415-2427.	8.9	22
12	Initial-QP Prediction for Versatile Video Coding: A Multi-domain Feature-Driven Learning Approach. Lecture Notes in Computer Science, 2021, , 665-675.	1.3	0
13	Quality Measurement of Screen Images via Foreground Perception and Background Suppression. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	4
14	Orbital Table Tennis Serving System: A Face Detection-driven Approach. , 2021, , .		0
15	SCIFI: 3D face reconstruction via smartphone screen lighting. Optics Express, 2021, 29, 43938.	3.4	2
16	Residual Geometric Feature Transform Network for 3D Surface Super-Resolution. , 2021, , .		0
17	Rate Constrained Multiple-QP Optimization for HEVC. IEEE Transactions on Multimedia, 2020, 22, 1395-1406.	7.2	5
18	A Novel Coding Architecture for LiDAR Point Cloud Sequence. IEEE Robotics and Automation Letters, 2020, 5, 5637-5644.	5.1	14

#	ARTICLE	IF	CITATIONS
19	Industrial Applications of Ultrahigh Definition Video Coding With an Optimized Supersample Adaptive Offset Framework. IEEE Transactions on Industrial Informatics, 2020, 16, 7613-7623.	11.3	6
20	Fine-Grained Region Adaptive Loop Filter for Super-Block Video Coding. IEEE Access, 2020, 8, 445-454.	4.2	2
21	Automatic surface inspection for S-PVC using a composite vision-based method. Applied Optics, 2020, 59, 1008.	1.8	3
22	An Advanced LiDAR Point Cloud Sequence Coding Scheme for Autonomous Driving. , 2020, , .		15
23	Surface Reconstruction with Unconnected Normal Maps: An Efficient Mesh-based Approach. , 2020, , .		1
24	A Novel Edge-pattern-based Just Noticeable Difference Model for Screen Content Images. , 2020, , .		4
25	An Efficient Quality Assessment Method for Screen Content Image Based on Gabor. , 2020, , .		4
26	3D Surface Detail Enhancement. , 2020, , .		0
27	MSMC-Net: Image Inpainting using Deep Multi-scale and Multi-connection Networks. , 2019, , .		1
28	Joint Optimization of Transform and Quantization for High Efficiency Video Coding. IEEE Access, 2019, 7, 62534-62544.	4.2	6
29	Periodic Enhanced Frame Based Long-Short-Term Reference in HEVC for Conference and Surveillance Video Coding. IEEE Access, 2019, 7, 46422-46433.	4.2	1
30	UHD Video Coding: A Light-Weight Learning-Based Fast Super-Block Approach. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3083-3094.	8.3	14
31	Surface Reconstruction From Normals: A Robust DGP-Based Discontinuity Preservation Approach. , 2019, , .		8
32	Comparison on Microstructure and Properties of Stainless Steel Layer Formed by Extreme High-Speed and Conventional Laser Melting Deposition. Frontiers in Materials, 2019, 6, .	2.4	19
33	Image super-resolution via feature-augmented random forest. Signal Processing: Image Communication, 2019, 72, 25-34.	3.2	10
34	Background Error Propagation Model Based RDO for Coding Surveillance and Conference Videos. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 504-513.	0.3	1
35	Background Error Propagation Model Based RDO in HEVC for Surveillance and Conference Video Coding. IEEE Access, 2018, 6, 67206-67216.	4.2	17
36	A Lightweight Quality Assessment of Screen Content Images using Directional Derivative Filters. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
37	Quality Classified Image Analysis with Application to Face Detection and Recognition. , 2018, , .		8
38	Dilated Deep Residual Network for Post-processing in TPG Based Image Coding. Lecture Notes in Computer Science, 2018, , 293-297.	1.3	1
39	Multi-color recognition based on neighborhood contrast. , 2017, , .		0
40	3D Surface Detail Enhancement from a Single Normal Map. , 2017, , .		9
41	Video compression: A jointly optimized transform-quantization method. , 2017, , .		2
42	An automatic camera calibration method based on checkerboard. Traitement Du Signal, 2017, 34, 209-226.	1.3	5
43	Low-Delay Rate Control for Consistent Quality Using Distortion-Based Lagrange Multiplier. IEEE Transactions on Image Processing, 2016, 25, 2943-2955.	9.8	68
44	Perceptual sensitivity-based rate control method for high efficiency video coding. Multimedia Tools and Applications, 2016, 75, 10383-10396.	3.9	24
45	Optimal bit allocation in HEVC for real-time video communications. , 2015, , .		7
46	Improved block level adaptive quantization for high efficiency video coding. , 2015, , .		14
47	An Efficient Frame-Content Based Intra Frame Rate Control for High Efficiency Video Coding. IEEE Signal Processing Letters, 2015, 22, 896-900.	3.6	79
48	Efficient H.264/AVC Video Coding with Adaptive Transforms. IEEE Transactions on Multimedia, 2014, 16, 933-946.	7.2	18
49	A rate distortion optimized transform for motion compensation residual. , 2013, , .		1
50	An efficient content adaptive transform for video coding. , 2013, , .		4
51	Perceptual adaptive Lagrangian multiplier for high efficiency video coding. , 2013, , .		16
52	An efficient framework for image/video inpainting. Signal Processing: Image Communication, 2013, 28, 753-762.	3.2	20
53	Video content dependent directional transform for intra frame coding. , 2012, , .		2
54	Spatial-temporal decorrelation for image/video coding. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Pyramid model based Down-sampling for image inpainting. , 2010, , .		5
56	Lagrangian Multiplier Based Joint Three-Layer Rate Control for H.264/AVC. IEEE Signal Processing Letters, 2009, 16, 679-682.	3.6	25
57	Adaptive Distortion-Based Intra-Rate Estimation for H.264/AVC Rate Control. IEEE Signal Processing Letters, 2009, 16, 145-148.	3.6	31
58	A novel intra-frame rate control algorithm for H.264/AVC. , 2008, , .		0