Jiying Zhao

List of Publications by Year
in descending order

101 papers	1,722 citations	586496 16 h-index	488211 31 g-index
101 all docs	101 docs citations	101 times ranked	1389 citing authors

#	Article	IF	Citations
1	Learning for Unconstrained Space-Time Video Super-Resolution. IEEE Transactions on Broadcasting, 2022, 68, 345-358.	2.5	12
2	No-Reference Stereoscopic Image Quality Assessment Based on Binocular Statistical Features and Machine Learning. Complexity, 2021, 2021, 1-14.	0.9	1
3	Multi-Kernel Deformable 3D Convolution for Video Super-Resolution. , 2021, , .		1
4	Photograph enhancement via imitation-to-innovation training scheme. , 2021, , .		0
5	End-To-End Trainable Video Super-Resolution Based on a New Mechanism for Implicit Motion Estimation and Compensation. , 2020, , .		16
6	A robust blind watermarking algorithm for depth-image-based rendering 3D images. Signal Processing: Image Communication, 2020, 87, 115935.	1.8	2
7	Perceptual quality assessment of stereoscopic images based on local and global visual characteristics. Multimedia Tools and Applications, 2019, 78, 12139-12156.	2.6	4
8	No-reference perceptual quality assessment of stereoscopic images based on binocular visual characteristics. Signal Processing: Image Communication, 2019, 76, 1-10.	1.8	15
9	Video Super-Resolution with Compensation in Feature Extraction. , 2019, , .		0
10	Image Alpha Matting via Residual Convolutional Grid Network. , 2019, , .		0
11	Quality evaluation of DIBR 3D images based on blind watermarking. Multimedia Systems, 2019, 25, 195-211.	3.0	2
12	Contourlet-based image and video watermarking robust to geometric attacks and compressions. Multimedia Tools and Applications, 2018, 77, 7187-7204.	2.6	28
13	Video Super-Resolution via Dynamic Local Filter Network. , 2018, , .		3
14	Robust Multi-Frame Super-Resolution Based on Spatially Weighted Half-Quadratic Estimation and Adaptive BTV Regularization. IEEE Transactions on Image Processing, 2018, 27, 4971-4986.	6.0	38
15	Robust contourlet-based blind watermarking for depth-image-based rendering 3D images. Signal Processing: Image Communication, 2017, 54, 56-65.	1.8	18
16	Quality assessment of stereoscopic 3D images based on local and global visual characteristics. , 2017, , .		7
17	Chroma keying based on stereo images. , 2017, , .		0
18	Robust multi-frame super-resolution with adaptive norm choice and difference curvature based BTV regularization. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Stereo Matching Based on Edge-Aware T-MST. , 2016, , .		0
20	Watermarking Based Quality Assessment for DIBR 3D Images. , 2016, , .		5
21	Video chroma keying via global sampling and trimap propagation. Multimedia Systems, 2016, 22, 693-707.	3.0	2
22	Adaptive contourlet-based image watermarking robust to geometric transformations and image compression. , 2016, , .		1
23	Robust contourlet-based watermarking for depth-image-based rendering 3D images. , 2016, , .		10
24	A novel perception oriented image color representation. , 2016, , .		0
25	A joint dictionary-based method for single image super-resolution. , 2016, , .		1
26	Hiding depth information in compressed 2D image/video using reversible watermarking. Multimedia Tools and Applications, 2016, 75, 4285-4303.	2.6	8
27	Stereoscopic chroma key matting using statistical analysis in CIECAM02 color space. , 2015, , .		0
28	Hybrid key: An automatic tool for real-time high quality chroma keying. , 2015, , .		0
29	Adaptive digital watermarking using RDWT and SVD. , 2015, , .		9
30	Robust Image Chroma-Keying: A Quadmap Approach Based on Global Sampling and Local Affinity. IEEE Transactions on Broadcasting, 2015, 61, 356-366.	2.5	9
31	Real-time automatic chroma-key matting using perceptual analysis and prediction. , 2014, , .		2
32	Adaptive Watermarking and Tree Structure Based Image Quality Estimation. IEEE Transactions on Multimedia, 2014, 16, 311-325.	5.2	43
33	Tampering Detection in Compressed Digital Video Using Watermarking. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1057-1072.	2.4	67
34	Chroma-Keying Based on Global Weighted Sampling and Laplacian Propagation. , 2014, , .		0
35	A realtime spatio-temporal watermarking scheme for H.264/AVC. , 2013, , .		6
36	Color range determination and alpha matting for color images. , 2013, , .		1

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37	Robot manipulator calibration using neural network and a camera-based measurement system. Transactions of the Institute of Measurement and Control, 2012, 34, 105-121.	1.1	56
38	Objective Assessment of Multiresolution Image Fusion Algorithms for Context Enhancement in Night Vision: A Comparative Study. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 94-109.	9.7	546
39	Human Perception-Based Data Reduction for Haptic Communication in Six-DoF Telepresence Systems. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3534-3546.	2.4	18
40	Digital watermarking and tree structure based image quality estimation. , 2011, , .		0
41	Multimodal Vision–Haptic Perception of Digital Watermarks Embedded in 3-D Meshes. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1047-1055.	2.4	7
42	Is SP BP?. IEEE Transactions on Information Theory, 2010, 56, 2999-3032.	1.5	0
43	A new video watermarking algorithm based on 1D DFT and Radon transform. Signal Processing, 2010, 90, 626-639.	2.1	82
44	A key-code watermarking algorithm for video content protection. , 2010, , .		0
45	Wideband audio over narrowband based on digital watermarking. , 2010, , .		0
46	Error analysis for an RST invariant image watermarking algorithm. , 2010, , .		0
47	RST invariant video watermarking based on log-polar mapping and phase-only filtering. , 2010, , .		1
48	Exploring human perception-based data reduction for haptic communication in 6-DOF telepresence systems. , 2010, , .		5
49	An adaptive and secure audio watermarking algorithm robust to MP3 compression. , 2009, , .		5
50	Network traffic reduction in six degree-of-freedom haptic, telementoring systems. , 2009, , .		1
51	Perceptibility of digital watermarks embedded in 3D meshes using unimodal and bimodal hapto-visual interaction. , 2009, , .		1
52	Regulating voice traffic rate in mobile wireless ad hoc networks. , 2009, , .		0
53	Prediction-Based Haptic Data Reduction and Transmission in Telementoring Systems. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1727-1736.	2.4	24
54	An improved watermarking technique for multi-user, multi-right environments. Multimedia Tools and Applications, 2009, 42, 161-181.	2.6	5

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55	RST Invariant Image Watermarking Algorithm With Mathematical Modeling and Analysis of the Watermarking Processes. IEEE Transactions on Image Processing, 2009, 18, 1055-1068.	6.0	76
56	Compressed-domain temporal adaptation-resilient watermarking for H.264 video authentication. , 2009, , .		6
57	Content-adaptive musical audio watermarking based on the music theory of chords. , 2009, , .		1
58	Robust perception-based data reduction and transmission in telehaptic systems. , 2009, , .		23
59	Towards an intelligent tele-surveillance system for public transport areas: Fuzzy logic based camera control. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	3
60	An Adaptive Watermarking Algorithm for MP3 Compressed Audio Signals. , 2008, , .		5
61	RST invariant video watermarking based on 1D DFT and Radon transform. , 2008, , .		3
62	Multimedia Authentication. , 2008, , 492-497.		0
63	A survey of RST invariant image watermarking algorithms. ACM Computing Surveys, 2007, 39, 5.	16.1	138
64	Is SP BP?. , 2007, , .		0
65	A Rotation Invariant Feature and Image Normalization Based Image Watermarking Algorithm. , 2007, , .		10
66	Compressed Domain Authentication of Live Video. , 2007, , .		1
67	An Image Quality Evaluation Method Based on Digital Watermarking. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 98-105.	5.6	61
68	On the Interpretation of Survey Propagation. , 2007, , .		1
69	Hard Authentication of H.264 Video Applying MPEG-21 Generic Bitstream Syntax Description (gBSD). , 2007, , .		5
70	Speech Quality Evaluation: A New Application of Digital Watermarking. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 45-55.	2.4	18
71	An image rectification scheme and its applications in RST invariant digital image watermarking. Multimedia Tools and Applications, 2007, 34, 57-84.	2.6	20
72	A Robust Image Watermarking Method Based on Adaptive Feature Points Detection. , 2006, , .		2

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73	HVS Based Adaptive Digital Image Watermarking. , 2006, , .		2
74	On Generalized Survey Propagation: Normal Realization and Sum-Product Interpretation. , 2006, , .		7
75	A Survey of RST Invariant Image Watermarking Algorithms. , 2006, , .		14
76	Flaw in SVD-based Watermarking. , 2006, , .		13
77	An accurate method for image quality evaluation using digital watermarking. IEICE Electronics Express, 2005, 2, 523-529.	0.3	1
78	RST invariant digital image watermarking based on a new phase-only filtering method. Signal Processing, 2005, 85, 2354-2370.	2.1	7
79	Evaluation of speech quality using digital watermarking. IEICE Electronics Express, 2004, 1, 380-385.	0.3	3
80	RST-invariant digital image watermarking based on log-polar mapping and phase correlation. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 753-765.	5.6	134
81	RST invariant digital image watermarking: importance of phase information. , 0, , .		8
82	Apply phase information in RST image watermarking. , 0, , .		3
83	A novel semi-fragile audio watermarking scheme. , 0, , .		10
84	A new filtering method for RST invariant image watermarking. , 0, , .		5
85	Image quality measurement by using digital watermarking. , 0, , .		11
86	A rectification method for RST invariant digital image watermarking. , 0, , .		1
87	RST invariant digital image watermarking based on resynchronization. , 0, , .		1
88	Digital watermarking by using a feature-based multiwavelet fusion approach. , 0, , .		6
89	Rotation,scaling,translation invariant image watermarking based on radon transform. , 0, , .		2
90	Speech quality assessment using digital watermarking. , 0, , .		0

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91	RST invariant digital image watermarking based on a new phase-only filtering method. , 0, , .		1
92	Speech Quality Evaluation: A New Application of Digital Watermarking. , 0, , .		4
93	Adaptive image watermarking based on a dynamic fuzzy inference system. , 0, , .		3
94	Copyright protection of J2EE web applications through watermarking. , 0, , .		0
95	Real-time video watermarking on programmable graphics hardware. , 0, , .		15
96	Robust image watermarking with Zernike moments. , 0, , .		7
97	A dynamic fuzzy logic approach to adaptive HVS-based watermarking. , 0, , .		12
98	A robust RST invariant image watermarking method based on locally detected features. , 0, , .		2
99	Towards a Unified Solution for Constraint-Satisfaction Problems: A Survey-Propagation Approach Based on Normal Realizations. , 0, , .		1
100	Image Fusion Algorithm Assessment Based on Feature Measurement. , 0, , .		10
101	Copyright Protection of Web Applications through Watermarking. , 0, , .		1