Jiaji Wu

List of Publications by Year
in descending order

62 papers	656 citations	687220 13 h-index	642610 23 g-index
63 all docs	63 docs citations	63 times ranked	679 citing authors

#	ARTICLE	IF	CITATIONS
1	2D sparse signal recovery via 2D orthogonal matching pursuit. Science China Information Sciences, 2012, 55, 889-897.	2.7	83
2	Human Action Recognition by Learning Spatio-Temporal Features With Deep Neural Networks. IEEE Access, 2018, 6, 17913-17922.	2.6	77
3	Lossy-to-Lossless Hyperspectral Image Compression Based on Multiplierless Reversible Integer TDLT/KLT. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 587-591.	1.4	42
4	Generation of multiple beams carrying different orbital angular momentum modes based on anisotropic holographic metasurfaces in the radio-frequency domain. Applied Physics Letters, 2019, 114, .	1.5	41
5	GPU Implementation of Orthogonal Matching Pursuit for Compressive Sensing. , 2011, , .		27
6	An interval type-2 fuzzy active contour model for auroral oval segmentation. Soft Computing, 2017, 21, 2325-2345.	2.1	26
7	Research on Sea Clutter Reflectivity Using Deep Learning Model in Industry 4.0. IEEE Transactions on Industrial Informatics, 2020, 16, 5929-5937.	7.2	22
8	Lossless Compression of Hyperspectral Imagery via Clustered Differential Pulse Code Modulation with Removal of Local Spectral Outliers. IEEE Signal Processing Letters, 2015, 22, 2194-2198.	2.1	20
9	Image Autoregressive Interpolation Model Using GPU-Parallel Optimization. IEEE Transactions on Industrial Informatics, 2018, 14, 426-436.	7.2	18
10	Lossless compression for hyperspectral image using deep recurrent neural networks. International Journal of Machine Learning and Cybernetics, 2019, 10, 2619-2629.	2.3	18
11	GPU Acceleration of Clustered DPCM for Lossless Compression of Hyperspectral Images. IEEE Transactions on Industrial Informatics, 2020, 16, 2906-2916.	7.2	17
12	Sea Clutter Amplitude Prediction Using a Long Short-Term Memory Neural Network. Remote Sensing, 2019, 11, 2826.	1.8	16
13	Bilateral Filtering and Directional Differentiation for Bayer Demosaicking. IEEE Sensors Journal, 2017, 17, 726-734.	2.4	14
14	Parallel Computation of EM Backscattering from Large Three-Dimensional Sea Surface with CUDA. Sensors, 2018, 18, 3656.	2.1	14
15	GPU-Accelerated Computation of Time-Evolving Electromagnetic Backscattering Field From Large Dynamic Sea Surfaces. IEEE Transactions on Industrial Informatics, 2020, 16, 3187-3197.	7.2	14
16	3D Terrain Real-time Rendering Method Based on CUDA-OpenGL Interoperability. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2015, 32, 471-478.	2.1	13
17	Uncertain clustering algorithms based on rough and fuzzy sets for real-time image segmentation. Journal of Real-Time Image Processing, 2017, 13, 645-663.	2.2	13
18	Parallel binocular stereo-vision-based GPU accelerated pedestrian detection and distance computation. Journal of Real-Time Image Processing, 2020, 17, 447-457.	2.2	13

#	Article	IF	Citations
19	Bayesian method application for color demosaicking. Optical Engineering, 2018, 57, 1.	0.5	11
20	Visual Relationship Detection: A Survey. IEEE Transactions on Cybernetics, 2022, 52, 8453-8466.	6.2	10
21	Scattering and propagation of a Laguerre–Gaussian vortex beam by uniaxial anisotropic bispheres. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 209, 1-9.	1.1	9
22	GPU-Accelerated Massively Parallel Computation of Electromagnetic Scattering of a Time-Evolving Oceanic Surface Model I: Time-Evolving Oceanic Surface Generation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2752-2762.	2.3	9
23	Shape-Adaptive Reversible Integer Lapped Transform for Lossy-to-Lossless ROI Coding of Remote Sensing Two-Dimensional Images. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 326-330.	1.4	8
24	Filter-based Bayer Pattern CFA Demosaicking. Circuits, Systems, and Signal Processing, 2017, 36, 2917-2940.	1.2	8
25	Prediction of radar sea clutter based on LSTM. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15419-15426.	3.3	8
26	Scattering of Electromagnetic Waves With Orbital Angular Momentum on Metallic Sphere. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1365-1369.	2.4	8
27	Multiscale Decomposition Prediction of Propagation Loss in Oceanic Tropospheric Ducts. Remote Sensing, 2021, 13, 1173.	1.8	8
28	Lossy to lossless image compression based on reversible integer DCT. , 2008, , .		7
29	GPU-parallel interpolation using the edge-direction based normal vector method for terrain triangular mesh. Journal of Real-Time Image Processing, 2018, 14, 813-822.	2.2	7
30	Semantic segmentation of large-scale point clouds based on dilated nearest neighbors graph. Complex & Intelligent Systems, 2022, 8, 3833-3845.	4.0	7
31	Learning to Predict U.S. Policy Change Using New York Times Corpus with Pre-Trained Language Model. Multimedia Tools and Applications, 2020, 79, 34227-34240.	2.6	6
32	A deep network architecture for image inpainting. , 2017, , .		5
33	A Comparative Study of Estimating Auroral Electron Energy from Ground-Based Hyperspectral Imagery and DMSP-SSJ5 Particle Data. Remote Sensing, 2020, 12, 2259.	1.8	5
34	Scattering of aerosol by a high-order Bessel vortex beam for multimedia information transmission in atmosphere. Multimedia Tools and Applications, 2020, 79, 34159-34171.	2.6	5
35	Integrated Physical Optics for Calculating Electric-Large Metallic Sphere Scattering Irradiated by Vortex Wave in Microwave Frequency Band. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1288-1292.	2.4	4
36	A Hybrid Seasonal Autoregressive Integrated Moving Average and Denoising Autoencoder Model for Atmospheric Temperature Profile Prediction. Big Data, 2022, 10, 493-505.	2.1	4

#	Article	IF	Citations
37	Image compression with downsampling and overlapped transform at low bit rates. , 2009, , .		3
38	A Partition-Based Active Contour Model Incorporating Local Information for Image Segmentation. Scientific World Journal, The, 2014, 2014, 1-19.	0.8	3
39	Parallel BRDF-based infrared radiation simulation of aerial targets implemented on Intel Xeon processor and Xeon Phi coprocessor. Journal of Real-Time Image Processing, 2019, 16, 49-60.	2.2	3
40	Lifting-based directionlet transform for image coding. , 2008, , .		2
41	3D medical image compression based on multiplierless low-complexity RKLT and shape-adaptive wavelet transform. , 2009, , .		2
42	Hyperspectral image lossless compression using DSC and 2-D CALIC. , 2010, , .		2
43	Parallel Implementation of Edge-Directed Image Interpolation on a Graphics Processing Unit. , 2011, , .		2
44	Region-driven distance regularized level set evolution for change detection in remote sensing images. Multimedia Tools and Applications, 2017, 76, 24707-24722.	2.6	2
45	Features of X-Band Radar Backscattering Simulation Based on the Ocean Environmental Parameters in China Offshore Seas. Sensors, 2018, 18, 2450.	2.1	2
46	A novel AFNCS algorithm for super-resolution SAR in curve trajectory. Multimedia Systems, 2021, 27, 837-844.	3.0	2
47	Researching on the Deterministic Channel Models for Urban Microcells Considering Diffraction Effects. Energies, 2021, 14, 2143.	1.6	2
48	SDTGAN: Generation Adversarial Network for Spectral Domain Translation of Remote Sensing Images of the Earth Background Based on Shared Latent Domain. Remote Sensing, 2022, 14, 1359.	1.8	2
49	GPU-Accelerated Computation of EM Scattering of a Time-Evolving Oceanic Surface Model II: EM Scattering of Actual Oceanic Surface. Remote Sensing, 2022, 14, 2727.	1.8	2
50	Scattering of a uniaxial anisotropic sphere incident by a Laguerre-Gaussian vortex beam. , 2016, , .		1
51	Gradually evolved fuzzy active contour model for auroral oval segmentation. , 2017, , .		1
52	Study of infrared reflection characteristics of aerial target using MODIS data on GPU. Journal of Real-Time Image Processing, 2018, 15, 643-655.	2.2	1
53	GPU-Based Lossless Compression of Aurora Spectral Data using Online DPCM. Remote Sensing, 2019, 11, 1635.	1.8	1
54	Measurement and analysis of the scattering properties of cement surfaces of urban environment in the millimeter waveband. Transactions on Emerging Telecommunications Technologies, 0, , e4251.	2.6	1

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55	Discriminative and efficient non-local attention network for league of legends highlight detection. Complex & Intelligent Systems, 2022, 8, 5377-5386.	4.0	1
56	Fine-grained parallel implementation of edge-directed Image Interpolation on GPU. , 2014, , .		0
57	Special Section Guest Editorial: High-Performance Computing in Applied Remote Sensing: Part 3. Journal of Applied Remote Sensing, 2015, 8, 084701.	0.6	0
58	Extraction of Auroral Oval Regions Using Suppressed Fuzzy C Means Clustering. , 2018, , .		0
59	A Central Symmetrical and Low-Profile Omnidirectional Circularly Polarized Antenna. International Journal of Antennas and Propagation, 2019, 2019, 1-12.	0.7	0
60	Study on 340 GHz Wave Scintillation Characteristics Based on Experimental Data. , 2021, , .		0
61	Behavior from Phase Factor Approximate Upon the Beam Propagation in Bessel Beam Angular Spectrum Expansion. , 2021, , .		0
62	Predicting Social Events with Multimodal Fusion of Spatial and Temporal Dynamic Graph Representations. Big Data, 2022, , .	2.1	0