Xiaomin

List of Publications by Year in descending order

88 papers	1,640 citations	394421 19 h-index	477307 29 g-index
89 all docs	89 docs citations	89 times ranked	1316 citing authors

#	Article	IF	Citations
1	Feedback Network for Image Super-Resolution. , 2019, , .		498
2	SEDRFuse: A Symmetric Encoderâ€"Decoder With Residual Block Network for Infrared and Visible Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	88
3	A survey on active noise control in the past decadeâ€"Part I: Linear systems. Signal Processing, 2021, 183, 108039.	3.7	70
4	Coupled GAN With Relativistic Discriminators for Infrared and Visible Images Fusion. IEEE Sensors Journal, 2021, 21, 7458-7467.	4.7	61
5	Multi-scale image fusion through rolling guidance filter. Future Generation Computer Systems, 2018, 83, 310-325.	7.5	58
6	Security Risk Modeling in Smart Grid Critical Infrastructures in the Era of Big Data and Artificial Intelligence. Sustainability, 2021, 13, 3196.	3.2	50
7	A survey on active noise control in the past decadeâ€"Part II: Nonlinear systems. Signal Processing, 2021, 181, 107929.	3.7	47
8	An Adaptive Pansharpening Method by Using Weighted Least Squares Filter. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 18-22.	3.1	35
9	Medical image fusion method by using Laplacian pyramid and convolutional sparse representation. Concurrency Computation Practice and Experience, 2020, 32, e5632.	2.2	33
10	Medical image super-resolution by using multi-dictionary and random forest. Sustainable Cities and Society, 2018, 37, 358-370.	10.4	29
11	Recursive Gemanâ€"McClure Estimator for Implementing Second-Order Volterra Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1272-1276.	3.0	28
12	A trusted medical image super-resolution method based on feedback adaptive weighted dense network. Artificial Intelligence in Medicine, 2020, 106, 101857.	6.5	27
13	Model Compression for IoT Applications in Industry 4.0 via Multiscale Knowledge Transfer. IEEE Transactions on Industrial Informatics, 2020, 16, 6013-6022.	11.3	25
14	Multiple dictionary pairs learning and sparse representation-based infrared image super-resolution with improved fuzzy clustering. Soft Computing, 2018, 22, 1385-1398.	3.6	24
15	Time delay Chebyshev functional link artificial neural network. Neurocomputing, 2019, 329, 153-164.	5.9	24
16	A new framework for remote sensing image super-resolution: Sparse representation-based method by processing dictionaries with multi-type features. Journal of Systems Architecture, 2016, 64, 63-75.	4.3	23
17	Long-Distance Object Recognition With Image Super Resolution: A Comparative Study. IEEE Access, 2018, 6, 13429-13438.	4.2	22
18	Behavior of the LMS algorithm with hyperbolic secant cost. Journal of the Franklin Institute, 2020, 357, 1943-1960.	3.4	22

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19	Retinex-based image enhancement framework by using region covariance filter. Soft Computing, 2018, 22, 1399-1420.	3.6	21
20	Multi-Focus Image Fusion Method for Vision Sensor Systems via Dictionary Learning with Guided Filter. Sensors, 2018, 18, 2143.	3.8	20
21	Improving resolution of medical images with deep dense convolutional neural network. Concurrency Computation Practice and Experience, 2020, 32, e5084.	2.2	19
22	Pansharpening multispectral remote-sensing images with guided filter for monitoring impact of human behavior on environment. Concurrency Computation Practice and Experience, 2021, 33, e5074.	2.2	17
23	Entropy-Based Image Fusion with Joint Sparse Representation and Rolling Guidance Filter. Entropy, 2020, 22, 118.	2.2	16
24	A sparse representation based pansharpening method. Future Generation Computer Systems, 2018, 88, 385-399.	7.5	15
25	Deep recursive up-down sampling networks for single image super-resolution. Neurocomputing, 2020, 398, 377-388.	5.9	15
26	Affine Projection Algorithm-Based High-Order Error Power for Partial Discharge Denoising in Power Cables. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1821-1832.	4.7	15
27	Two-Path Network with Feedback Connections for Pan-Sharpening in Remote Sensing. Remote Sensing, 2020, 12, 1674.	4.0	15
28	A fast single-image super-resolution method implemented with CUDA. Journal of Real-Time Image Processing, 2019, 16, 81-97.	3.5	14
29	Multi-sensor image super-resolution with fuzzy cluster by using multi-scale and multi-view sparse coding for infrared image. Multimedia Tools and Applications, 2017, 76, 24871-24902.	3.9	13
30	Remote Sensing Images Super-resolution Based on Sparse Dictionaries and Residual Dictionaries. , 2013, , .		12
31	Implementing real-time RCF-Retinex image enhancement method using CUDA. Journal of Real-Time Image Processing, 2019, 16, 115-125.	3.5	12
32	Recursive second-order Volterra filter based on Dawson function for chaotic memristor system identification. Nonlinear Dynamics, 2020, 99, 3123-3142.	5.2	12
33	Real-time and effective pan-sharpening for remote sensing using multi-scale fusion network. Journal of Real-Time Image Processing, 2021, 18, 1635-1651.	3.5	12
34	Gradient information distillation network for real-time single-image super-resolution. Journal of Real-Time Image Processing, 2021, 18, 333-344.	3.5	12
35	Supporting autism spectrum disorder screening and intervention with machine learning and wearables: a systematic literature review. Complex & Intelligent Systems, 2022, 8, 3659-3674.	6.5	12
36	Interactive Knowledge Distillation for image classification. Neurocomputing, 2021, 449, 411-421.	5.9	12

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37	Self-regularized nonlinear diffusion algorithm based on levenberg gradient descent. Signal Processing, 2019, 163, 107-114.	3.7	10
38	Multi-Semi-Couple Super-Resolution Method for Edge Computing. IEEE Access, 2018, 6, 5511-5520.	4.2	9
39	Multifocus image fusion using convolutional neural network. Multimedia Tools and Applications, 2020, 79, 34531-34543.	3.9	9
40	A lightweight iterative error reconstruction network for infrared image super-resolution in smart grid. Sustainable Cities and Society, 2021, 66, 102520.	10.4	9
41	A Real-Time Super-Resolution Method Based on Convolutional Neural Networks. Circuits, Systems, and Signal Processing, 2020, 39, 805-817.	2.0	8
42	A Novel Infrared Image Enhancement Based on Correlation Measurement of Visible Image for Urban Traffic Surveillance Systems. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 290-303.	4.2	8
43	Two-pathway attention network for real-time facial expression recognition. Journal of Real-Time Image Processing, 2021, 18, 1173-1182.	3.5	8
44	Tukey's Biweight M-Estimate With Conjugate Gradient Adaptive Learning. IEEE Signal Processing Letters, 2022, 29, 1117-1121.	3.6	8
45	Hidden-Markov-Model-Based Segmentation Confidence Applied to Container Code Character Extraction. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1147-1156.	8.0	7
46	An image fusion algorithm of infrared and visible imaging sensors for cyber-physical systems. Journal of Intelligent and Fuzzy Systems, 2019, 36, 4277-4291.	1.4	7
47	An adaptive anchored neighborhood regression method for medical image enhancement. Multimedia Tools and Applications, 2020, 79, 10533-10550.	3.9	7
48	Lightweight network with one-shot aggregation for image super-resolution. Journal of Real-Time Image Processing, 2021, 18, 1275-1284.	3.5	7
49	ArbRPN: A Bidirectional Recurrent Pansharpening Network for Multispectral Images With Arbitrary Numbers of Bands. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	7
50	Decoding line structured light patterns by using Fourier analysis. Optical Engineering, 2015, 54, 073109.	1.0	6
51	A novel scheme for infrared image enhancement by using weighted least squares filter and fuzzy plateau histogram equalization. Multimedia Tools and Applications, 2017, 76, 24789-24817.	3.9	6
52	Multifocus image fusion using random forest and hidden Markov model. Soft Computing, 2019, 23, 9385-9396.	3.6	6
53	Infrared and visible image fusion via rolling guidance filter and convolutional sparse representation. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10603-10616.	1.4	6
54	Efficient local cascading residual network for real-time single image super-resolution. Journal of Real-Time Image Processing, 2021, 18, 1235-1246.	3.5	6

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55	Medical image super-resolution for remote medical diagnosis in smart city: A case study based on the new healthcare reform of China. Sustainable Cities and Society, 2019, 48, 101497.	10.4	5
56	Aerial image super-resolution based on deep recursive dense network for disaster area surveillance. Personal and Ubiquitous Computing, 2022, 26, 1205-1214.	2.8	5
57	A lightweight multi-scale feature integration network for real-time single image super-resolution. Journal of Real-Time Image Processing, 2021, 18, 1221-1234.	3.5	5
58	Handwritten Numeral Recognition by Model Reconstruction Based on Manifold Learning. , 2008, , .		5
59	Gradient-based multi-focus image fusion method using convolution neural network. Computers and Electrical Engineering, 2021, 92, 107174.	4.8	4
60	Gradient Guided Pyramidal Convolution Residual Network with Interactive Connections for Pan-sharpening. International Journal of Remote Sensing, 2022, 43, 5572-5602.	2.9	4
61	LMSN:a lightweight multi-scale network for single image super-resolution. Multimedia Systems, 2021, 27, 845-856.	4.7	4
62	Conjugate gradient-based FLANN algorithms in nonlinear active noise control. Journal of the Franklin Institute, 2022, 359, 4468-4488.	3.4	4
63	Global and local fusion ensemble network for facial expression recognition. Multimedia Tools and Applications, 2023, 82, 5473-5494.	3.9	4
64	Clustering based multiple branches deep networks for single image super-resolution. Multimedia Tools and Applications, 2020, 79, 9019-9035.	3.9	3
65	Medical image super-resolution with laplacian dense network. Multimedia Tools and Applications, 2022, 81, 3131-3144.	3.9	3
66	Multi-focus images fusion via residual generative adversarial network. Multimedia Tools and Applications, 2022, 81, 12305-12323.	3.9	3
67	Lightweight refined networks for single image super-resolution. Multimedia Tools and Applications, 2022, 81, 3439-3458.	3.9	3
68	Image Super-resolution Reconstruction Based on Sub-pixel Registration and Iterative Back Projection. , 2008, , .		3
69	Multiscale channel attention network for infrared and visible image fusion. Concurrency Computation Practice and Experience, 2021, 33, e6155.	2.2	3
70	Hybrid coding strategy for SNR improvement in 3-step phase measuring profilometry. , 2015, , .		2
71	Pansharpening using a guided image filter based on dual-scale detail extraction. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	2
72	Real-Time Environment Monitoring Using a Lightweight Image Super-Resolution Network. International Journal of Environmental Research and Public Health, 2021, 18, 5890.	2.6	2

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73	Wide receptive field networks for single image super-resolution. Multimedia Tools and Applications, 2022, 81, 4859-4876.	3.9	2
74	Automatically detecting rigidly and nonrigidly deformed facial landmarks from coarseness to fineness. Journal of Electronic Imaging, 2019, 28, 1.	0.9	2
75	A New Framework for Infrared Image Enhancement. , 2015, , .		1
76	Infrared Image Recovery from Visible Image by Using Multi-scale and Multi-view Sparse Representation. , 2015, , .		1
77	Parallel Heat Kernel Volume Based Local Binary Pattern on Multi-Orientation Planes for Face Representation. International Journal of Parallel Programming, 2018, 46, 943-962.	1.5	1
78	Power-of-Two Quantizer FLANN Filter for Nonlinear Active Noise Control. , 2019, , .		1
79	A system based on Hadoop for radar data analysis. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3899-3913.	4.9	1
80	An empirical evaluation of random transformations applied to ensemble clustering. Multimedia Tools and Applications, 2020, 79, 34253-34285.	3.9	1
81	An image super-resolution method for better cognition of images in cognition computing system. Journal of Intelligent and Fuzzy Systems, 2020, 39, 8043-8055.	1.4	1
82	LNMF: lightweight network for multi-focus image fusion. Multimedia Tools and Applications, 0, , 1.	3.9	1
83	Hierarchical Progressive Network for Multimodal Medical Image Fusion in Healthcare Systems. IEEE Transactions on Computational Social Systems, 2023, 10, 1540-1558.	4.4	1
84	Closed-loop Feedback Network with Cross Back-Projection for Lightweight Image Super-Resolution. Journal of Signal Processing Systems, 0, , .	2.1	1
85	Infrared Image Super-Resolution by Using Sparse Dictionary and Nonsubsampled Contourlet Transform. , 2015, , .		0
86	Image superâ€resolution with parallel convolution attention network. Concurrency Computation Practice and Experience, 2020, , e6109.	2.2	0
87	FPPN: fast pixel purification network for single-image super-resolution. Multimedia Systems, 2022, 28, 281-293.	4.7	0
88	Fuzzy-Logic Adapted for LMS Algorithm Based on q-Gradient. , 2021, , .		0