Wei Wu

List of Publications by Year
in descending order

51 papers	2,048 citations	394421 19 h-index	302126 39 g-index
52 all docs	52 docs citations	52 times ranked	1767 citing authors

#	Article	IF	Citations
1	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
2	Coupled GAN With Relativistic Discriminators for Infrared and Visible Images Fusion. IEEE Sensors Journal, 2021, 21, 7458-7467.	4.7	61
3	Improving resolution of medical images with deep dense convolutional neural network. Concurrency Computation Practice and Experience, 2020, 32, e5084.	2.2	19
4	Multiple Regressions based Image Super-resolution. Multimedia Tools and Applications, 2020, 79, 8911-8927.	3.9	2
5	Clustering based multiple branches deep networks for single image super-resolution. Multimedia Tools and Applications, 2020, 79, 9019-9035.	3.9	3
6	A Real-Time Super-Resolution Method Based on Convolutional Neural Networks. Circuits, Systems, and Signal Processing, 2020, 39, 805-817.	2.0	8
7	Infrared and visible images fusion by using sparse representation and guided filter. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 254-263.	4.2	13
8	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
9	A novel multi-focus image fusion method for improving imaging systems by using cascade-forest model. Eurasip Journal on Image and Video Processing, 2020, 2020, .	2.6	11
10	Recursive Geman–McClure Estimator for Implementing Second-Order Volterra Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1272-1276.	3.0	28
11	Special issue on bio-medical signal processing for smarter mobile healthcare using big data analytics. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3739-3745.	4.9	14
12	Self-regularized nonlinear diffusion algorithm based on levenberg gradient descent. Signal Processing, 2019, 163, 107-114.	3.7	10
13	Combining Unmanned Aerial Vehicles With Artificial-Intelligence Technology for Traffic-Congestion Recognition: Electronic Eyes in the Skies to Spot Clogged Roads. IEEE Consumer Electronics Magazine, 2019, 8, 81-86.	2.3	42
14	Multifocus image fusion using random forest and hidden Markov model. Soft Computing, 2019, 23, 9385-9396.	3.6	6
15	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
16	Feedback Network for Image Super-Resolution. , 2019, , .		498
17	A fast single-image super-resolution method implemented with CUDA. Journal of Real-Time Image Processing, 2019, 16, 81-97.	3.5	14
18	Multi-Semi-Couple Super-Resolution Method for Edge Computing. IEEE Access, 2018, 6, 5511-5520.	4.2	9

#	Article	IF	Citations
19	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
20	A sparse representation-based image resolution improvement method by processing multiple dictionary pairs with latent Dirichlet allocation model for street view images. Sustainable Cities and Society, 2018, 38, 55-69.	10.4	8
21	Infrared Image Super-Resolution with Parallel Random Forest. International Journal of Parallel Programming, 2018, 46, 838-858.	1.5	8
22	Medical images fusion by using weighted least squares filter and sparse representation. Computers and Electrical Engineering, 2018, 67, 252-266.	4.8	43
23	Medical image super-resolution by using multi-dictionary and random forest. Sustainable Cities and Society, 2018, 37, 358-370.	10.4	29
24	Fusing synergistic information from multi-sensor images: An overview from implementation to performance assessment. Information Fusion, 2018, 42, 127-145.	19.1	35
25	Medical image super-resolution via minimum error regression model selection using random forest. Sustainable Cities and Society, 2018, 42, 1-12.	10.4	18
26	Multi-Focus Image Fusion Method for Vision Sensor Systems via Dictionary Learning with Guided Filter. Sensors, 2018, 18, 2143.	3.8	20
27	Improving Resolution of 3D Surface With Convolutional Neural Networks. Sustainable Cities and Society, 2018, 42, 127-138.	10.4	2
28	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
29	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
30	Image Enlargement Using Multiple Sensors. Journal of Sensors, 2016, 2016, 1-3.	1.1	2
31	Bayer Demosaicking With Polynomial Interpolation. IEEE Transactions on Image Processing, 2016, 25, 5369-5382.	9.8	52
32	Fast multisensor infrared image super-resolution scheme with multiple regression models. Journal of Systems Architecture, 2016, 64, 11-25.	4.3	9
33	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
34	An Adaptive Pansharpening Method by Using Weighted Least Squares Filter. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 18-22.	3.1	35
35	Infrared Image Recovery from Visible Image by Using Multi-scale and Multi-view Sparse Representation. , 2015, , .		1
36	Infrared and visible image fusion with the use of multi-scale edge-preserving decomposition and guided image filter. Infrared Physics and Technology, 2015, 72, 37-51.	2.9	99

#	Article	IF	Citations
37	A New Framework for Container Code Recognition by Using Segmentation-Based and HMM-Based Approaches. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1550004.	1.2	8
38	Classification of defects with ensemble methods in the automated visual inspection of sewer pipes. Pattern Analysis and Applications, 2015, 18, 263-276.	4.6	35
39	Remote Sensing Image Super-resolution Using Dual-Dictionary Pairs Based on Sparse Presentation and Multiple Features. , 2014, , .		3
40	An Efficient Method to Synthesize Reversible Logic by Using Positive Davio Decision Diagrams. Circuits, Systems, and Signal Processing, 2014, 33, 3107-3121.	2.0	4
41	A multifocus image fusion method by using hidden Markov model. Optics Communications, 2013, 287, 63-72.	2.1	34
42	Dynamics of a mean-shift-like algorithm and its applications on clustering. Information Processing Letters, 2013, 113, 8-16.	0.6	16
43	Single image super-resolution using self-similarity and generalized nonlocal mean. , 2013, , .		8
44	An automated vision system for container-code recognition. Expert Systems With Applications, 2012, 39, 2842-2855.	7.6	41
45	Improving laser image resolution for pitting corrosion measurement using Markov random field method. Automation in Construction, 2012, 21, 172-183.	9.8	20
46	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.	13.9	546
47	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
48	The use of the contrast sensitivity function in the perceptual quality assessment of fused image. International Journal of Image and Data Fusion, 2011, 2, 93-103.	1.7	1
49	Learning-based super resolution using kernel partial least squares. Image and Vision Computing, 2011, 29, 394-406.	4.5	61
50	Rate control in H.264 wireless video communication system. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2010, 29, 378-387.	0.9	0
51	Fusion algorithm for multisensor images based on discrete multiwavelet transform. IET Computer Vision, 2002, 149, 283.	1.3	42