Yong Yang

List of Publications by Year
in descending order

94 papers	2,137 citations	218592 26 h-index	254106 43 g-index
95 all docs	95 docs citations	95 times ranked	1958 citing authors

#	Article	IF	Citations
1	Multimodal Sensor Medical Image Fusion Based on Type-2 Fuzzy Logic in NSCT Domain. IEEE Sensors Journal, 2016, 16, 3735-3745.	2.4	171
2	Static and dynamic posterior cingulate cortex nodal topology of default mode network predicts attention task performance. Brain Imaging and Behavior, 2016, 10, 212-225.	1.1	83
3	Multiple Visual Features Measurement With Gradient Domain Guided Filtering for Multisensor Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 691-703.	2.4	80
4	Leukocyte image segmentation by visual attention and extreme learning machine. Neural Computing and Applications, 2012, 21, 1217-1227.	3.2	75
5	Remote Sensing Image Fusion Based on Adaptive IHS and Multiscale Guided Filter. IEEE Access, 2016, 4, 4573-4582.	2.6	70
6	Real€time image smoke detection using staircase searching€based dual threshold AdaBoost and dynamic analysis. IET Image Processing, 2015, 9, 849-856.	1.4	69
7	Multi-Focus Image Fusion Based on NSCT and Focused Area Detection. IEEE Sensors Journal, 2014, , 1-1.	2.4	68
8	Multilevel Features Convolutional Neural Network for Multifocus Image Fusion. IEEE Transactions on Computational Imaging, 2019, 5, 262-273.	2.6	68
9	A Fingerprint Recognition Scheme Based on Assembling Invariant Moments for Cloud Computing Communications. IEEE Systems Journal, 2011, 5, 574-583.	2.9	63
10	A Novel DWT Based Multi-focus Image Fusion Method. Procedia Engineering, 2011, 24, 177-181.	1.2	60
11	Multi-focus Image Fusion Using an Effective Discrete Wavelet Transform Based Algorithm. Measurement Science Review, 2014, 14, 102-108.	0.6	56
12	Multimodal Medical Image Fusion Based on Fuzzy Discrimination With Structural Patch Decomposition. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1647-1660.	3.9	56
13	Robust Single-Image Super-Resolution Based on Adaptive Edge-Preserving Smoothing Regularization. IEEE Transactions on Image Processing, 2018, 27, 2650-2663.	6.0	53
14	Computer Vision in Healthcare Applications. Journal of Healthcare Engineering, 2018, 2018, 1-4.	1.1	53
15	Infrared and Visible Image Fusion via Texture Conditional Generative Adversarial Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4771-4783.	5.6	53
16	Dynamic Default Mode Network across Different Brain States. Scientific Reports, 2017, 7, 46088.	1.6	47
17	Optimized Multioperator Image Retargeting Based on Perceptual Similarity Measure. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2956-2966.	5.9	46
18	A Novel Pan-Sharpening Framework Based on Matting Model and Multiscale Transform. Remote Sensing, 2017, 9, 391.	1.8	45

#	ARTICLE	IF	CITATIONS
19	Log-Gabor Energy Based Multimodal Medical Image Fusion in NSCT Domain. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-12.	0.7	41
20	Dual-Tree Complex Wavelet Transform and Image Block Residual-Based Multi-Focus Image Fusion in Visual Sensor Networks. Sensors, 2014, 14, 22408-22430.	2.1	36
21	Multifocus Image Fusion Based on Extreme Learning Machine and Human Visual System. IEEE Access, 2017, 5, 6989-7000.	2.6	34
22	Infrared and Visible Image Fusion Using Visual Saliency Sparse Representation and Detail Injection Model. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	32
23	A Hybrid Method for Multi-Focus Image Fusion Based on Fast Discrete Curvelet Transform. IEEE Access, 2017, 5, 14898-14913.	2.6	31
24	Multi-Focus Image Fusion via Clustering PCA Based Joint Dictionary Learning. IEEE Access, 2017, 5, 16985-16997.	2.6	29
25	Spectral properties of the temporal evolution of brain network structure. Chaos, 2015, 25, 123112.	1.0	28
26	Technique for multi-focus image fusion based on fuzzy-adaptive pulse-coupled neural network. Signal, Image and Video Processing, 2017, 11, 439-446.	1.7	27
27	Remote Sensing Image Fusion Based on Adaptively Weighted Joint Detail Injection. IEEE Access, 2018, 6, 6849-6864.	2.6	27
28	A Novel Algorithm to Enhance P300 in Single Trials: Application to Lie Detection Using F-Score and SVM. PLoS ONE, 2014, 9, e109700.	1.1	26
29	Exposure Measurement and Fusion via Adaptive Multiscale Edge-Preserving Smoothing. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4663-4674.	2.4	26
30	A Unified Pansharpening Model Based on Band-Adaptive Gradient and Detail Correction. IEEE Transactions on Image Processing, 2022, 31, 918-933.	6.0	26
31	Robust Sparse Representation Combined With Adaptive PCNN for Multifocus Image Fusion. IEEE Access, 2018, 6, 20138-20151.	2.6	25
32	Residual dense network for intensity-guided depth map enhancement. Information Sciences, 2019, 495, 52-64.	4.0	25
33	Complex Network Construction of Multivariate Time Series Using Information Geometry. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 107-122.	5.9	25
34	Real-time removal of ocular artifacts from EEG based on independent component analysis and manifold learning. Neural Computing and Applications, 2010, 19, 1217-1226.	3.2	24
35	Exploring time- and frequency- dependent functional connectivity and brain networks during deception with single-trial event-related potentials. Scientific Reports, 2016, 6, 37065.	1.6	24
36	Multimodal Medical Image Fusion through a New DWT Based Technique. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	23

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37	Remote Sensing Image Fusion Based on Fuzzy Logic and Salience Measure. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1943-1947.	1.4	21
38	Pansharpening Based on Joint-Guided Detail Extraction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 389-401.	2.3	20
39	Compensation Details-Based Injection Model for Remote Sensing Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 734-738.	1.4	19
40	Pansharpening for Multiband Images With Adaptive Spectral–Intensity Modulation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3196-3208.	2.3	19
41	Random matrix theory for analyzing the brain functional network in attention deficit hyperactivity disorder. Physical Review E, 2016, 94, 052411.	0.8	17
42	Multi-Frame Super-Resolution Reconstruction Based on Gradient Vector Flow Hybrid Field. IEEE Access, 2017, 5, 21669-21683.	2.6	17
43	Dual-Stream Convolutional Neural Network With Residual Information Enhancement for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	17
44	Fusion of CT and MR images using an improved wavelet based method. Journal of X-Ray Science and Technology, 2010, 18, 157-170.	0.7	16
45	PCDRN: Progressive Cascade Deep Residual Network for Pansharpening. Remote Sensing, 2020, 12, 676.	1.8	15
46	Multiband Remote Sensing Image Pansharpening Based on Dual-Injection Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1888-1904.	2.3	15
47	Depth Map Enhancement by Revisiting Multi-Scale Intensity Guidance Within Coarse-to-Fine Stages. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4676-4687.	5.6	14
48	An efficient and high-quality pansharpening model based on conditional random fields. Information Sciences, 2021, 553, 1-18.	4.0	14
49	Multiexposure Estimation and Fusion Based on a Sparsity Exposure Dictionary. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4753-4767.	2.4	13
50	Pansharpening Based on Low-Rank Fuzzy Fusion and Detail Supplement. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5466-5479.	2.3	13
51	Practical remote sensing image fusion method based on guided filter and improved SML in the NSST domain. Signal, Image and Video Processing, 2018, 12, 959-966.	1.7	12
52	Multilevel and Multiscale Network for Single-Image Super-Resolution. IEEE Signal Processing Letters, 2019, 26, 1877-1881.	2.1	12
53	Multi-Focus Image Fusion Based on a Non-Fixed-Base Dictionary and Multi-Measure Optimization. IEEE Access, 2019, 7, 46376-46388.	2.6	11
54	Wavelet based approach for fusing computed tomography and magnetic resonance images. , 2009, , .		10

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55	MMDN: Multi-Scale and Multi-Distillation Dilated Network for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	10
56	Image Dehazing Based on Robust Sparse Representation. IEEE Access, 2018, 6, 53907-53917.	2.6	9
57	Effective Multifocus Image Fusion Based on HVS and BP Neural Network. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	8
58	Salient Object Detection by Spatiotemporal and Semantic Features in Real-Time Video Processing Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 9893-9903.	5.2	8
59	End-to-End Rain Removal Network Based on Progressive Residual Detail Supplement. IEEE Transactions on Multimedia, 2022, 24, 1622-1636.	5.2	8
60	An adaptive fuzzy-based edge detection algorithm. , 2007, , .		7
61	Multimodal Medical Image Fusion Based on Weighted Local Energy Matching Measurement and Improved Spatial Frequency. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	2.4	7
62	Multi-Sensor Fusion of Infrared and Visible Images Based on Modified Side Window Filter and Intensity Transformation. IEEE Sensors Journal, 2021, 21, 24829-24843.	2.4	6
63	Pansharpening Based on Variational Fractional-Order Geometry Model and Optimized Injection Gains. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2128-2141.	2.3	5
64	Multi-Scale Exposure Fusion Based on Multi-Visual Feature Measurement and Detail Enhancement Representation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	2.4	5
65	Segmentation of Retinal Image Vessels with a Novel Automated Approach. , 2006, , .		4
66	Retinal image mosaic base on Genetic Algorithm and automated blood vessel extracting approach. , 2008, , .		4
67	Anisotropic fourth-order diffusion regularization for multiframe super-resolution reconstruction. Journal of Central South University, 2013, 20, 3180-3186.	1.2	4
68	Deception Decreases Brain Complexity. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 164-174.	3.9	4
69	An end-to-end dehazing network with transitional convolution layer. Multidimensional Systems and Signal Processing, 2020, 31, 1603-1623.	1.7	4
70	Infrared and Visible Image Fusion Based on Multiscale Network with Dual-channel Information Cross Fusion Block. , 2021, , .		4
71	VMDM-fusion: a saliency feature representation method for infrared and visible image fusion. Signal, Image and Video Processing, 2021, 15, 1221-1229.	1.7	4
72	Infrared and Visible Image Fusion Based on Dual-Kernel Side Window Filtering and S-Shaped Curve Transformation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	4

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73	A New Lie Detection Method Based on Small-number of P300 Responses. , 2012, , .		3
74	Leukocyte Image Segmentation Using Novel Saliency Detection Based on Positive Feedback of Visual Perception. Journal of Healthcare Engineering, 2018, 2018, 1-11.	1.1	3
75	Multi-frame image super-resolution reconstruction based on spatial information weighted fields of experts. Multidimensional Systems and Signal Processing, 2020, 31, 1-20.	1.7	3
76	An Efficient Pansharpening Approach Based on Texture Correction and Detail Refinement. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
77	DCNP: Dual-Information Compensation Network for Pansharpening. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	3
78	Wavelet Transform with a New Selection Strategy for Image Fusion. , 2010, , .		2
79	Multi-focus image fusion via NSST with non-fixed base dictionary learning. International Journal of Systems Assurance Engineering and Management, 2020, 11, 849-855.	1.5	2
80	An Efficient Pansharpening Method Based On Conditional Random Fields. , 2020, , .		2
81	Deep quantification down-plain-upsampling residual learning for single image super-resolution. International Journal of Machine Learning and Cybernetics, 2020, 11, 1923-1937.	2.3	2
82	Residual Enhancement Network for Realistic Face Sketch-Photo Synthesis. , 2021, , .		2
83	An Effective Scheme of Wavelet Coefficients for Multiresolution Image Fusion. Advanced Materials Research, 2010, 108-111, 730-735.	0.3	1
84	Fuzzy Expectation Maximum Algorithm for Magnetic Resonance Image Segmentation. Key Engineering Materials, 0, 439-440, 1618-1623.	0.4	1
85	Wavelet Transform with a Novel Integration Technique for Image Fusion. Advanced Materials Research, 0, 204-210, 1419-1422.	0.3	1
86	Multi-operator retargeting based on perceptual structural similarity. , 2014, , .		1
87	Super-Resolution Reconstruction Sensor Using Adaptively Combined Partial Differential Equations. Sensor Letters, 2013, 11, 2126-2130.	0.4	1
88	Prediction of Intrinsically Disordered Proteins with Convolutional Neural Networks based on Feature Selection. , 2021, , .		1
89	Computational Prediction of Intrinsically Disordered Proteins Based on Protein Sequences and Convolutional Neural Networks. Computational Intelligence and Neuroscience, 2021, 2021, 1-8.	1.1	1
90	Modified fuzzy multi-thresholding algorithm for segmentation of MRI. , 2008, , .		0

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91	Fusion of CT &#x00026; MR Images with a Novel Method Based on Wavelet Transform. , 2009, , .		0
92	Segmentation of brain MR images based on an effective fuzzy clustering algorithm. , 2010, , .		0
93	Low-light image enhancement network based on multi-stream information supplement. Multidimensional Systems and Signal Processing, 0, , 1.	1.7	0
94	Image Super-Resolution Reconstruction Based on Multi-scale Residual Learning. , 2021, , .		0