

Yu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

8,222
citations

201575

27
h-index

175177

52
g-index

60
all docs

60
docs citations

60
times ranked

4565
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG-Based Emotion Recognition via Channel-Wise Attention and Self Attention. IEEE Transactions on Affective Computing, 2023, 14, 382-393.	5.7	168
2	X-Net: a dual encoding“decoding method in medical image segmentation. Visual Computer, 2023, 39, 2223-2233.	2.5	37
3	EEG-Based Emotion Recognition via Neural Architecture Search. IEEE Transactions on Affective Computing, 2023, 14, 957-968.	5.7	18
4	Superpixel-Based Noise-Robust Sparse Unmixing of Hyperspectral Image. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	0
5	Emotion recognition from EEG based on multi-task learning with capsule network and attention mechanism. Computers in Biology and Medicine, 2022, 143, 105303.	3.9	48
6	Image Fusion with Sparse Representation: A Novel Local Contrast-Based Preprocessing Strategy. , 2022, 6, 1-4.		4
7	Multimodal MRI Volumetric Data Fusion With Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	13
8	Multi-focus image fusion with deep residual learning and focus property detection. Information Fusion, 2022, 86-87, 1-16.	11.7	17
9	Emotion Recognition From Multi-Channel EEG via Deep Forest. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 453-464.	3.9	123
10	Remote Heart Rate Measurement From Near-Infrared Videos Based on Joint Blind Source Separation With Delay-Coordinate Transformation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	6
11	A convolutional sparsity regularization for solving inverse scattering problems. IEEE Antennas and Wireless Propagation Letters, 2021, , 1-1.	2.4	2
12	Motion Robust Imaging Ballistocardiography Through a Two-Step Canonical Correlation Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	3
13	Green Fluorescent Protein and Phase Contrast Image Fusion Via Detail Preserving Cross Network. IEEE Transactions on Computational Imaging, 2021, 7, 584-597.	2.6	17
14	Different Input Resolutions and Arbitrary Output Resolution: A Meta Learning-Based Deep Framework for Infrared and Visible Image Fusion. IEEE Transactions on Image Processing, 2021, 30, 4070-4083.	6.0	48
15	PulseGAN: Learning to Generate Realistic Pulse Waveforms in Remote Photoplethysmography. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1373-1384.	3.9	88
16	Multiscale Feature Interactive Network for Multifocus Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	2.4	6
17	Zero-Shot Learning Based on Deep Weighted Attribute Prediction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2948-2957.	5.9	9
18	IFCNN: A general image fusion framework based on convolutional neural network. Information Fusion, 2020, 54, 99-118.	11.7	606

#	ARTICLE	IF	CITATIONS
19	Sparse unmixing of hyperspectral data with bandwise model. <i>Information Sciences</i> , 2020, 512, 1424-1441.	4.0	15
20	Celiac disease diagnosis from videocapsule endoscopy images with residual learning and deep feature extraction. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 187, 105236.	2.6	41
21	Chinese Sign Language Recognition Based on DTW-Distance-Mapping Features. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-13.	0.6	4
22	Exploring the feasibility of seamless remote heart rate measurement using multiple synchronized cameras. <i>Multimedia Tools and Applications</i> , 2020, 79, 23023-23043.	2.6	1
23	Multi-channel EEG-based emotion recognition via a multi-level features guided capsule network. <i>Computers in Biology and Medicine</i> , 2020, 123, 103927.	3.9	119
24	A practical PET/CT data visualization method with dual-threshold PET colorization and image fusion. <i>Computers in Biology and Medicine</i> , 2020, 126, 104050.	3.9	7
25	Multilevel Structure Extraction-Based Multi-Sensor Data Fusion. <i>Remote Sensing</i> , 2020, 12, 4034.	1.8	7
26	A phase congruency-based green fluorescent protein and phase contrast image fusion method in nonsubsampling shearlet transform domain. <i>Microscopy Research and Technique</i> , 2020, 83, 1225-1234.	1.2	9
27	Image Dehazing by an Artificial Image Fusion Method Based on Adaptive Structure Decomposition. <i>IEEE Sensors Journal</i> , 2020, 20, 8062-8072.	2.4	127
28	Multi-focus image fusion: A Survey of the state of the art. <i>Information Fusion</i> , 2020, 64, 71-91.	11.7	175
29	Medical Image Fusion With Parameter-Adaptive Pulse Coupled Neural Network in Nonsubsampling Shearlet Transform Domain. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 49-64.	2.4	382
30	Robust Multichannel EEG Compressed Sensing in the Presence of Mixed Noise. <i>IEEE Sensors Journal</i> , 2019, 19, 10574-10583.	2.4	18
31	Medical Image Fusion via Convolutional Sparsity Based Morphological Component Analysis. <i>IEEE Signal Processing Letters</i> , 2019, 26, 485-489.	2.1	192
32	Remove Diverse Artifacts Simultaneously From a Single-Channel EEG Based on SSA and ICA: A Semi-Simulated Study. <i>IEEE Access</i> , 2019, 7, 60276-60289.	2.6	30
33	Deep learning in remote sensing applications: A meta-analysis and review. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 152, 166-177.	4.9	1,243
34	A multi-scale data fusion framework for bone age assessment with convolutional neural networks. <i>Computers in Biology and Medicine</i> , 2019, 108, 161-173.	3.9	30
35	Green Fluorescent Protein and Phase-Contrast Image Fusion via Generative Adversarial Networks. <i>Computational and Mathematical Methods in Medicine</i> , 2019, 2019, 1-11.	0.7	13
36	Video Super-Resolution Using Non-Simultaneous Fully Recurrent Convolutional Network. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 1342-1355.	6.0	26

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37	Video-Based Heart Rate Measurement: Recent Advances and Future Prospects. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3600-3615.	2.4	132
38	Infrared and visible image fusion with convolutional neural networks. International Journal of Wavelets, Multiresolution and Information Processing, 2018, 16, 1850018.	0.9	261
39	Deep learning for pixel-level image fusion: Recent advances and future prospects. Information Fusion, 2018, 42, 158-173.	11.7	497
40	Hyperspectral Unmixing with Bandwise Generalized Bilinear Model. Remote Sensing, 2018, 10, 1600.	1.8	17
41	Bone Age Assessment with X-Ray Images Based on Contourlet Motivated Deep Convolutional Networks. , 2018, , .		4
42	Patch Based Collaborative Representation with Gabor Feature and Measurement Matrix for Face Recognition. Mathematical Problems in Engineering, 2018, 2018, 1-13.	0.6	2
43	Position-independent gesture recognition using sEMG signals via canonical correlation analysis. Computers in Biology and Medicine, 2018, 103, 44-54.	3.9	34
44	Multi-focus image fusion with a deep convolutional neural network. Information Fusion, 2017, 36, 191-207.	11.7	854
45	A medical image fusion method based on convolutional neural networks. , 2017, , .		187
46	Simultaneous ocular and muscle artifact removal from EEG data by exploiting diverse statistics. Computers in Biology and Medicine, 2017, 88, 1-10.	3.9	40
47	Image classification based on convolutional neural networks with cross-level strategy. Multimedia Tools and Applications, 2017, 76, 11065-11079.	2.6	19
48	Video super-resolution using motion compensation and residual bidirectional recurrent convolutional network. , 2017, , .		5
49	Image Fusion With Convolutional Sparse Representation. IEEE Signal Processing Letters, 2016, 23, 1882-1886.	2.1	634
50	Automatic chessboard corner detection method. IET Image Processing, 2016, 10, 16-23.	1.4	19
51	Dense SIFT for ghost-free multi-exposure fusion. Journal of Visual Communication and Image Representation, 2015, 31, 208-224.	1.7	106
52	Simultaneous image fusion and denoising with adaptive sparse representation. IET Image Processing, 2015, 9, 347-357.	1.4	281
53	A general framework for image fusion based on multi-scale transform and sparse representation. Information Fusion, 2015, 24, 147-164.	11.7	1,045
54	Multi-focus image fusion with dense SIFT. Information Fusion, 2015, 23, 139-155.	11.7	381

#	ARTICLE	IF	CITATIONS
55	Cross-Level: A Practical Strategy for Convolutional Neural Networks Based Image Classification. Communications in Computer and Information Science, 2015, , 398-406.	0.4	4
56	A practical algorithm for automatic chessboard corner detection. , 2014, , .		5
57	Medical Image Fusion by Combining Nonsampled Contourlet Transform and Sparse Representation. Communications in Computer and Information Science, 2014, , 372-381.	0.4	17
58	A Static Hand Gesture Recognition Algorithm Based on Krawtchouk Moments. Communications in Computer and Information Science, 2014, , 321-330.	0.4	4
59	A practical pan-sharpening method with wavelet transform and sparse representation. , 2013, , .		14
60	Multi-focus Image Fusion Based on Sparse Representation with Adaptive Sparse Domain Selection. , 2013, , .		8