

# 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	Deep learning in remote sensing applications: A meta-analysis and review. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 152, 166-177.	4.9	1,243
2	A general framework for image fusion based on multi-scale transform and sparse representation. Information Fusion, 2015, 24, 147-164.	11.7	1,045
3	Multi-focus image fusion with a deep convolutional neural network. Information Fusion, 2017, 36, 191-207.	11.7	854
4	Image Fusion With Convolutional Sparse Representation. IEEE Signal Processing Letters, 2016, 23, 1882-1886.	2.1	634
5	IFCNN: A general image fusion framework based on convolutional neural network. Information Fusion, 2020, 54, 99-118.	11.7	606
6	Deep learning for pixel-level image fusion: Recent advances and future prospects. Information Fusion, 2018, 42, 158-173.	11.7	497
7	Medical Image Fusion With Parameter-Adaptive Pulse Coupled Neural Network in Nonsubsampled Shearlet Transform Domain. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 49-64.	2.4	382
8	Multi-focus image fusion with dense SIFT. Information Fusion, 2015, 23, 139-155.	11.7	381
9	Simultaneous image fusion and denoising with adaptive sparse representation. IET Image Processing, 2015, 9, 347-357.	1.4	281
10	Infrared and visible image fusion with convolutional neural networks. International Journal of Wavelets, Multiresolution and Information Processing, 2018, 16, 1850018.	0.9	261
11	Medical Image Fusion via Convolutional Sparsity Based Morphological Component Analysis. IEEE Signal Processing Letters, 2019, 26, 485-489.	2.1	192
12	A medical image fusion method based on convolutional neural networks. , 2017, , .		187
13	Multi-focus image fusion: A Survey of the state of the art. Information Fusion, 2020, 64, 71-91.	11.7	175
14	EEG-Based Emotion Recognition via Channel-Wise Attention and Self Attention. IEEE Transactions on Affective Computing, 2023, 14, 382-393.	5.7	168
15	Video-Based Heart Rate Measurement: Recent Advances and Future Prospects. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3600-3615.	2.4	132
16	Image Dehazing by an Artificial Image Fusion Method Based on Adaptive Structure Decomposition. IEEE Sensors Journal, 2020, 20, 8062-8072.	2.4	127
17	Emotion Recognition From Multi-Channel EEG via Deep Forest. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 453-464.	3.9	123
18	Multi-channel EEG-based emotion recognition via a multi-level features guided capsule network. Computers in Biology and Medicine, 2020, 123, 103927.	3.9	119

#	ARTICLE	IF	CITATIONS
19	Dense SIFT for ghost-free multi-exposure fusion. <i>Journal of Visual Communication and Image Representation</i> , 2015, 31, 208-224.	1.7	106
20	PulseGAN: Learning to Generate Realistic Pulse Waveforms in Remote Photoplethysmography. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 1373-1384.	3.9	88
21	Different Input Resolutions and Arbitrary Output Resolution: A Meta Learning-Based Deep Framework for Infrared and Visible Image Fusion. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 4070-4083.	6.0	48
22	Emotion recognition from EEG based on multi-task learning with capsule network and attention mechanism. <i>Computers in Biology and Medicine</i> , 2022, 143, 105303.	3.9	48
23	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
24	Simultaneous ocular and muscle artifact removal from EEG data by exploiting diverse statistics. <i>Computers in Biology and Medicine</i> , 2017, 88, 1-10.	3.9	40
25	X-Net: a dual encoding&ldquo;decoding method in medical image segmentation. <i>Visual Computer</i> , 2023, 39, 2223-2233.	2.5	37
26	Position-independent gesture recognition using sEMG signals via canonical correlation analysis. <i>Computers in Biology and Medicine</i> , 2018, 103, 44-54.	3.9	34
27	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
28	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
29	Video Super-Resolution Using Non-Simultaneous Fully Recurrent Convolutional Network. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 1342-1355.	6.0	26
30	Automatic chessboard corner detection method. <i>IET Image Processing</i> , 2016, 10, 16-23.	1.4	19
31	Image classification based on convolutional neural networks with cross-level strategy. <i>Multimedia Tools and Applications</i> , 2017, 76, 11065-11079.	2.6	19
32	Robust Multichannel EEG Compressed Sensing in the Presence of Mixed Noise. <i>IEEE Sensors Journal</i> , 2019, 19, 10574-10583.	2.4	18
33	EEG-Based Emotion Recognition via Neural Architecture Search. <i>IEEE Transactions on Affective Computing</i> , 2023, 14, 957-968.	5.7	18
34	Medical Image Fusion by Combining Nonsubsampled Contourlet Transform and Sparse Representation. <i>Communications in Computer and Information Science</i> , 2014, , 372-381.	0.4	17
35	Hyperspectral Unmixing with Bandwise Generalized Bilinear Model. <i>Remote Sensing</i> , 2018, 10, 1600.	1.8	17
36	Green Fluorescent Protein and Phase Contrast Image Fusion Via Detail Preserving Cross Network. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 584-597.	2.6	17

#	ARTICLE	IF	CITATIONS
37	Multi-focus image fusion with deep residual learning and focus property detection. Information Fusion, 2022, 86-87, 1-16.	11.7	17
38	Sparse unmixing of hyperspectral data with bandwise model. Information Sciences, 2020, 512, 1424-1441.	4.0	15
39	A practical pan-sharpening method with wavelet transform and sparse representation. , 2013, , .		14
40	Green Fluorescent Protein and Phase-Contrast Image Fusion via Generative Adversarial Networks. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-11.	0.7	13
41	Multimodal MRI Volumetric Data Fusion With Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	13
42	Zero-Shot Learning Based on Deep Weighted Attribute Prediction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2948-2957.	5.9	9
43	A phase congruency-based green fluorescent protein and phase contrast image fusion method in nonsubsampling shearlet transform domain. Microscopy Research and Technique, 2020, 83, 1225-1234.	1.2	9
44	Multi-focus Image Fusion Based on Sparse Representation with Adaptive Sparse Domain Selection. , 2013, , .		8
45	A practical PET/CT data visualization method with dual-threshold PET colorization and image fusion. Computers in Biology and Medicine, 2020, 126, 104050.	3.9	7
46	Multilevel Structure Extraction-Based Multi-Sensor Data Fusion. Remote Sensing, 2020, 12, 4034.	1.8	7
47	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
48	Multiscale Feature Interactive Network for Multifocus Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	2.4	6
49	A practical algorithm for automatic chessboard corner detection. , 2014, , .		5
50	Video super-resolution using motion compensation and residual bidirectional recurrent convolutional network. , 2017, , .		5
51	Bone Age Assessment with X-Ray Images Based on Contourlet Motivated Deep Convolutional Networks. , 2018, , .		4
52	Chinese Sign Language Recognition Based on DTW-Distance-Mapping Features. Mathematical Problems in Engineering, 2020, 2020, 1-13.	0.6	4
53	A Static Hand Gesture Recognition Algorithm Based on Krawtchouk Moments. Communications in Computer and Information Science, 2014, , 321-330.	0.4	4
54	Cross-Level: A Practical Strategy for Convolutional Neural Networks Based Image Classification. Communications in Computer and Information Science, 2015, , 398-406.	0.4	4

#	ARTICLE	IF	CITATIONS
55	Image Fusion with Sparse Representation: A Novel Local Contrast-Based Preprocessing Strategy. , 2022, 6, 1-4.		4
56	Motion Robust Imaging Ballistocardiography Through a Two-Step Canonical Correlation Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	3
57	Patch Based Collaborative Representation with Gabor Feature and Measurement Matrix for Face Recognition. Mathematical Problems in Engineering, 2018, 2018, 1-13.	0.6	2
58	A convolutional sparsity regularization for solving inverse scattering problems. IEEE Antennas and Wireless Propagation Letters, 2021, , 1-1.	2.4	2
59	Exploring the feasibility of seamless remote heart rate measurement using multiple synchronized cameras. Multimedia Tools and Applications, 2020, 79, 23023-23043.	2.6	1
60	Superpixel-Based Noise-Robust Sparse Unmixing of Hyperspectral Image. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	0