

# Bin Xiao

## List of Publications by Year in descending order

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56  
papers

1,975  
citations

279487

23  
h-index

253896

43  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1288  
citing authors

#	ARTICLE	IF	CITATIONS
1	MU-TEIR: Traceable Encrypted Image Retrieval in the Multi-User Setting. IEEE Transactions on Services Computing, 2023, 16, 1282-1295.	3.2	5
2	Collaborative Decision-Reinforced Self-Supervision for Attributed Graph Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10851-10863.	7.2	3
3	IEMask R-CNN: Information-Enhanced Mask R-CNN. IEEE Transactions on Big Data, 2023, 9, 688-700.	4.4	12
4	Multi-Task Convolution Operators With Object Detection for Visual Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8204-8216.	5.6	8
5	Registration-Is-Evaluation: Robust Point Set Matching With Multigranular Prior Assessment. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	2
6	PAM-DenseNet: A Deep Convolutional Neural Network for Computer-Aided COVID-19 Diagnosis. IEEE Transactions on Cybernetics, 2022, 52, 12163-12174.	6.2	32
7	Recent advancement in haze removal approaches. Multimedia Systems, 2022, 28, 687-710.	3.0	6
8	A Novel Framework With Weighted Decision Map Based on Convolutional Neural Network for Cardiac MR Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2228-2239.	3.9	4
9	Multimodal medical image fusion based on multichannel coupled neural P systems and max-cloud models in spectral total variation domain. Neurocomputing, 2022, 480, 61-75.	3.5	12
10	HessHist: A Hessian matrix weighted histogram for image contrast enhancement. IET Image Processing, 2022, 16, 1831-1845.	1.4	1
11	Functional and Anatomical Image Fusion Based on Gradient Enhanced Decomposition Model. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	2.4	9
12	Privacy-Preserving Color Image Feature Extraction by Quaternion Discrete Orthogonal Moments. IEEE Transactions on Information Forensics and Security, 2022, 17, 1655-1668.	4.5	5
13	Global-Feature Encoding U-Net (GEU-Net) for Multi-Focus Image Fusion. IEEE Transactions on Image Processing, 2021, 30, 163-175.	6.0	62
14	2D-LCoLBP: A Learning Two-Dimensional Co-Occurrence Local Binary Pattern for Image Recognition. IEEE Transactions on Image Processing, 2021, 30, 7228-7240.	6.0	8
15	Quaternion fractional-order color orthogonal moment-based image representation and recognition. Eurasip Journal on Image and Video Processing, 2021, 2021, .	1.7	3
16	Medical image segmentation based on active fusion-transduction of multi-stream features. Knowledge-Based Systems, 2021, 220, 106950.	4.0	17
17	Multi-Focus Color Image Fusion Based on Quaternion Multi-Scale Singular Value Decomposition. Frontiers in Neurorobotics, 2021, 15, 695960.	1.6	3
18	A focus measure in discrete cosine transform domain for multi-focus image fast fusion. Neurocomputing, 2021, 465, 93-102.	3.5	14

#	ARTICLE	IF	CITATIONS
19	Pyramidal Multiple Instance Detection Network With Mask Guided Self-Correction for Weakly Supervised Object Detection. IEEE Transactions on Image Processing, 2021, 30, 3029-3040.	6.0	25
20	DTMNet: A Discrete Tchebichef Moments-based Deep Neural Network for Multi-focus Image Fusion. , 2021, , .		4
21	Computer aided Alzheimer's disease diagnosis by an unsupervised deep learning technology. Neurocomputing, 2020, 392, 296-304.	3.5	71
22	Image splicing forgery detection combining coarse to refined convolutional neural network and adaptive clustering. Information Sciences, 2020, 511, 172-191.	4.0	83
23	Multi-Focus Image Fusion by Hessian Matrix Based Decomposition. IEEE Transactions on Multimedia, 2020, 22, 285-297.	5.2	49
24	Follow the Sound of Children's Heart: A Deep-Learning-Based Computer-Aided Pediatric CHDs Diagnosis System. IEEE Internet of Things Journal, 2020, 7, 1994-2004.	5.5	45
25	Fractional discrete Tchebyshev moments and their applications in image encryption and watermarking. Information Sciences, 2020, 516, 545-559.	4.0	85
26	Image splicing localization using residual image and residual-based fully convolutional network. Journal of Visual Communication and Image Representation, 2020, 73, 102967.	1.7	11
27	Multimodal medical image fusion via laplacian pyramid and convolutional neural network reconstruction with local gradient energy strategy. Computers in Biology and Medicine, 2020, 126, 104048.	3.9	36
28	Privacy-Preserving Krawtchouk Moment feature extraction over encrypted image data. Information Sciences, 2020, 536, 244-262.	4.0	8
29	Controlling Neural Learning Network with Multiple Scales for Image Splicing Forgery Detection. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-22.	3.0	15
30	Quaternion weighted spherical Bessel-Fourier moment and its invariant for color image reconstruction and object recognition. Information Sciences, 2019, 505, 388-405.	4.0	20
31	Image analysis using modified exponent-Fourier moments. Eurasip Journal on Image and Video Processing, 2019, 2019, .	1.7	7
32	Multi-User Offloading Game Strategy in OFDMA Mobile Cloud Computing System. IEEE Transactions on Vehicular Technology, 2019, 68, 12190-12201.	3.9	32
33	Pancreatic Segmentation via Ringed Residual U-Net. IEEE Access, 2019, 7, 172871-172878.	2.6	8
34	Histogram Learning in Image Contrast Enhancement. , 2019, , .		6
35	2D-LBP: An Enhanced Local Binary Feature for Texture Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2796-2808.	5.6	77
36	Pixel convolutional neural network for multi-focus image fusion. Information Sciences, 2018, 433-434, 125-141.	4.0	196

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37	Multimodal medical image fusion by cloud model theory. Signal, Image and Video Processing, 2018, 12, 437-444.	1.7	11
38	Multi-Focus Image Fusion Using Block-Wise Color-Principal Component Analysis. , 2018, , .		4
39	An Optimized Quantization Technique for Image Compression Using Discrete Tchebichef Transform. Pattern Recognition and Image Analysis, 2018, 28, 371-378.	0.6	6
40	Image analysis by fractional-order orthogonal moments. Information Sciences, 2017, 382-383, 135-149.	4.0	89
41	Anatomical-Functional Image Fusion by Information of Interest in Local Laplacian Filtering Domain. IEEE Transactions on Image Processing, 2017, 26, 5855-5866.	6.0	124
42	Multi-modal Color Medical Image Fusion Using Quaternion Discrete Fourier Transform. Sensing and Imaging, 2016, 17, 1.	1.0	16
43	Medical image fusion by combining parallel features on multi-scale local extrema scheme. Knowledge-Based Systems, 2016, 113, 4-12.	4.0	30
44	Rotation, scaling and translation invariant texture recognition by Bessel-Fourier moments. Pattern Recognition and Image Analysis, 2016, 26, 302-308.	0.6	5
45	Lossless image compression based on integer Discrete Tchebichef Transform. Neurocomputing, 2016, 214, 587-593.	3.5	55
46	An overview of multi-modal medical image fusion. Neurocomputing, 2016, 215, 3-20.	3.5	255
47	Explicit Krawtchouk moment invariants for invariant image recognition. Journal of Electronic Imaging, 2016, 25, 023002.	0.5	29
48	Errata and comments on "Orthogonal moments based on exponent functions: Exponent-Fourier moments". Pattern Recognition, 2015, 48, 1571-1573.	5.1	13
49	Moments and moment invariants in the Radon space. Pattern Recognition, 2015, 48, 2772-2784.	5.1	24
50	Radial shifted Legendre moments for image analysis and invariant image recognition. Image and Vision Computing, 2014, 32, 994-1006.	2.7	54
51	Generic radial orthogonal moment invariants for invariant image recognition. Journal of Visual Communication and Image Representation, 2013, 24, 1002-1008.	1.7	14
52	Shape circularity measure method based on radial moments. Journal of Electronic Imaging, 2013, 22, 033022.	0.5	7
53	Radial Tchebichef moment invariants for image recognition. Journal of Visual Communication and Image Representation, 2012, 23, 381-386.	1.7	27
54	Combined blur, translation, scale and rotation invariant image recognition by Radon and pseudo-Fourier Mellin transforms. Pattern Recognition, 2012, 45, 314-321.	5.1	41

#	ARTICLE	IF	CITATIONS
55	Image analysis by Besselâ€™Fourier moments. Pattern Recognition, 2010, 43, 2620-2629.	5.1	117
56	Scaling and rotation invariant analysis approach to object recognition based on Radon and Fourierâ€™Mellin transforms. Pattern Recognition, 2007, 40, 3503-3508.	5.1	70