Qi-Guang Miao

List of Publications by Year
in descending order

80 papers	1,456 citations	361413 20 h-index	395702 33 g-index
80 all docs	80 docs citations	80 times ranked	1292 citing authors

#	Article	IF	Citations
1	ChaLearn Looking at People: IsoGD and ConGD Large-Scale RGB-D Gesture Recognition. IEEE Transactions on Cybernetics, 2022, 52, 3422-3433.	9.5	14
2	Analysis and Variants of Broad Learning System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 334-344.	9.3	33
3	Commonality Autoencoder: Learning Common Features for Change Detection From Heterogeneous Images. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4257-4270.	11.3	89
4	Robust Multimodal Remote Sensing Image Registration Based on Local Statistical Frequency Information. Remote Sensing, 2022, 14, 1051.	4.0	4
5	Multi-Scale Attention 3D Convolutional Network for Multimodal Gesture Recognition. Sensors, 2022, 22, 2405.	3.8	13
6	ME-ACP: Multi-view neural networks with ensemble model for identification of anticancer peptides. Computers in Biology and Medicine, 2022, 145, 105459.	7.0	6
7	Rearranging 'indivisible' blocks for community detection. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	0
8	Improving Image Classification Through Joint Guided Learning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	1
9	Image Hazing and Dehazing: From the Viewpoint of Two-Way Image Translation With a Weakly Supervised Framework. IEEE Transactions on Multimedia, 2022, , 1-12.	7.2	1
10	Pareto Self-Paced Learning Based on Differential Evolution. IEEE Transactions on Cybernetics, 2021, 51, 4187-4200.	9.5	9
11	Recommendation by Users' Multimodal Preferences for Smart City Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 4197-4205.	11.3	26
12	Encoder-Decoder With Cascaded CRFs for Semantic Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1926-1938.	8.3	44
13	A Two-Step Method for Remote Sensing Images Registration Based on Local and Global Constraints. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5194-5206.	4.9	16
14	Attention and Feature Fusion SSD for Remote Sensing Object Detection. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	41
15	Application of U-Net Based Multiparameter Magnetic Resonance Image Fusion in the Diagnosis of Prostate Cancer. IEEE Access, 2021, 9, 33756-33768.	4.2	10
16	Parallel Fully Convolutional Network for Semantic Segmentation. IEEE Access, 2021, 9, 673-682.	4.2	20
17	CA‐PMG: Channel attention and progressive multi‐granularity training network for fine‐grained visual classification. IET Image Processing, 2021, 15, 3718-3727.	2.5	2
18	A tri-objective preference-based uniform weight design method using Delaunay triangulation. Soft Computing, 2021, 25, 9703-9729.	3.6	0

#	Article	IF	Citations
19	Cross-Channel Graph Convolutional Networks for Skeleton-Based Action Recognition. IEEE Access, 2021, 9, 9055-9065.	4.2	8
20	Reliable Memory Model for Visual Tracking. Electronics (Switzerland), 2021, 10, 2488.	3.1	0
21	Computational Intelligence in Remote Sensing Image Registration: A survey. International Journal of Automation and Computing, 2021, 18, 1-17.	4.5	23
22	Dictionary-based Fidelity Measure for Virtual Traffic. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 1490-1501.	4.4	3
23	A Semi-Supervised High-Level Feature Selection Framework for Road Centerline Extraction. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 894-898.	3.1	12
24	A Classified Adversarial Network for Multi-Spectral Remote Sensing Image Change Detection. Remote Sensing, 2020, 12, 2098.	4.0	19
25	Automatic Identification of Individual Primates with Deep Learning Techniques. IScience, 2020, 23, 101412.	4.1	42
26	Semantic Image Segmentation With Propagating Deep Aggregation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9732-9742.	4.7	12
27	Global Co-Occurrence Feature and Local Spatial Feature Learning for Skeleton-Based Action Recognition. Entropy, 2020, 22, 1135.	2.2	4
28	Superpixel-Based Shallow Convolutional Neural Network (SSCNN) for Scanned Topographic Map Segmentation. Remote Sensing, 2020, 12, 3421.	4.0	3
29	Image patch prior learning based on random neighbourhood resampling for image denoising. IET Image Processing, 2020, 14, 838-844.	2.5	2
30	ABCNet: A new efficient 3D dense‐structure network for segmentation and analysis of body tissue composition on body‐torso‐wide CT images. Medical Physics, 2020, 47, 2986-2999.	3.0	10
31	CR-Net: A Deep Classification-Regression Network for Multimodal Apparent Personality Analysis. International Journal of Computer Vision, 2020, 128, 2763-2780.	15.6	25
32	Semi-Supervised Hyperspectral Image Classification via Spatial-Regulated Self-Training. Remote Sensing, 2020, 12, 159.	4.0	69
33	A Coarse-to-Fine Network for Ship Detection in Optical Remote Sensing Images. Remote Sensing, 2020, 12, 246.	4.0	22
34	Learning Robust Feature Descriptor for Image Registration With Genetic Programming. IEEE Access, 2020, 8, 39389-39402.	4.2	8
35	Malware Detection Algorithm Based on the Attention Mechanism and ResNet. Chinese Journal of Electronics, 2020, 29, 1054-1060.	1.5	5
36	ProFPred: a two-step protein function prediction model based on sequence and evolutionary information. , 2020, , .		0

#	Article	IF	Citations
37	Development of Radiofrequency Saturation Amplitude-independent Quantitative Markers for Magnetization Transfer MRI of Prostate Cancer. Current Medical Imaging, 2020, 16, 695-702.	0.8	1
38	Decomposition-Based Evolutionary Multiobjective Optimization to Self-Paced Learning. IEEE Transactions on Evolutionary Computation, 2019, 23, 288-302.	10.0	32
39	A Construction Approach to Prediction Intervals Based on Bootstrap and Deep Belief Network. IEEE Access, 2019, 7, 124185-124195.	4.2	9
40	A Decomposition-Ensemble Learning Model Based on LSTM Neural Network for Daily Reservoir Inflow Forecasting. Water Resources Management, 2019, 33, 4123-4139.	3.9	38
41	Boosting sparsity-induced autoencoder: A novel sparse feature ensemble learning for image classification. International Journal of Advanced Robotic Systems, 2019, 16, 172988141985347.	2.1	4
42	Magnetic resonance elastography of the brain: A study of feasibility and reproducibility using an ergonomic pillow-like passive driver. Magnetic Resonance Imaging, 2019, 59, 68-76.	1.8	11
43	LAP-Net: Level-Aware Progressive Network for Image Dehazing. , 2019, , .		50
44	Multimodal Sensor Medical Image Fusion Based on Local Difference in Non-Subsampled Domain. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 938-951.	4.7	42
45	A spatiotemporal attention-based ResC3D model for large-scale gesture recognition. Machine Vision and Applications, 2019, 30, 875-888.	2.7	15
46	Large-scale gesture recognition with a fusion of RGB-D data based on optical flow and the C3D model. Pattern Recognition Letters, 2019, 119, 187-194.	4.2	33
47	Global and Local Spatial-Attention Network for Isolated Gesture Recognition. Lecture Notes in Computer Science, 2019, , 84-93.	1.3	2
48	Automatic Segmentation of Prostate Structures Using a Convolutional Neural Network from Multiparametric MRI. , 2019, , .		1
49	A Semi-Supervised Image Classification Model Based on Improved Ensemble Projection Algorithm. IEEE Access, 2018, 6, 1372-1379.	4.2	13
50	PSOSAC: Particle Swarm Optimization Sample Consensus Algorithm for Remote Sensing Image Registration. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 242-246.	3.1	47
51	Large-Scale Gesture Recognition With a Fusion of RGB-D Data Based on Saliency Theory and C3D Model. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2956-2964.	8.3	38
52	Architectural Style Classification Based on Feature Extraction Module. IEEE Access, 2018, 6, 52598-52606.	4.2	16
53	Image Quality Assessment Using Image Description in Information Theory. IEEE Access, 2018, 6, 47181-47188.	4.2	5
54	Line separation from topographic maps using regional color and spatial information. , 2018, , .		1

#	Article	IF	Citations
55	Color texture segmentation based on active contour model with multichannel nonlocal and Tikhonov regularization. Multimedia Tools and Applications, 2017, 76, 24515-24526.	3.9	8
56	Filtering LiDAR data based on adjacent triangle of triangulated irregular network. Multimedia Tools and Applications, 2017, 76, 11051-11063.	3.9	12
57	Multimodal Gesture Recognition Based on the ResC3D Network. , 2017, , .		106
58	Large-scale gesture recognition with a fusion of RGB-D data based on the C3D model. , 2016, , .		15
59	A Memetic Multi-objective Immune Algorithm for Reservoir Flood Control Operation. Water Resources Management, 2016, 30, 2957-2977.	3.9	22
60	Color topographical map segmentation Algorithm based on linear element features. Multimedia Tools and Applications, 2016, 75, 5417-5438.	3.9	7
61	Malware detection using bilayer behavior abstraction and improved one-class support vector machines. International Journal of Information Security, 2016, 15, 361-379.	3.4	31
62	A new artistic information extraction method with multi channels and guided filters for calligraphy works. Multimedia Tools and Applications, 2016, 75, 8719-8744.	3.9	11
63	A Data-Based Approach to Discovering Multi-Topic Influential Leaders. PLoS ONE, 2016, 11, e0158855.	2.5	1
64	An Ensemble Cost-Sensitive One-Class Learning Framework for Malware Detection. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1550018.	1.2	3
65	BoostFS: A Boosting-Based Irrelevant Feature Selection Algorithm. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1551011.	1.2	3
66	Network Structural Balance Based on Evolutionary Multiobjective Optimization: A Two-Step Approach. IEEE Transactions on Evolutionary Computation, 2015, 19, 903-916.	10.0	49
67	Pan-sharpening via regional division and NSST. Multimedia Tools and Applications, 2015, 74, 7843-7857.	3.9	1
68	A Novel Email Virus Propagation Model with Local Group. , 2014, , .		1
69	Detecting Circles on Ego Network Based on Structure. , 2014, , .		2
70	Abstracting minimal security-relevant behaviors for malware analysis. Journal of Computer Virology and Hacking Techniques, 2013, 9, 193-204.	2.2	10
71	Advance and Prospects of AdaBoost Algorithm. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 745-758.	1.5	194
72	FENOC: An Ensemble One-Class Learning Framework for Malware Detection. , 2013, , .		7

#	Article	IF	Citations
73	Asymptotic stabilisation for a class of feedforward input-delay systems with ratios of odd integers. International Journal of Systems Science, 2013, 44, 1983-1993.	5.5	7
74	Osiris: A Malware Behavior Capturing System Implemented at Virtual Machine Monitor Layer. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	5
75	Osiris: A Malware Behavior Capturing System Implemented at Virtual Machine Monitor Layer. , 2012, , .		1
76	A General Edge Detection Method Based on the Shear Transform. , 2011, , .		0
77	ROPTool: A reverse engineering assistant tool for dynamic analysis. , 2010, , .		2
78	APICapture - A tool for monitoring the behavior of malware. , 2010, , .		3
79	Developing a virtual network environment for analyzing malicious network behavior. , 2010, , .		1
80	Beamlet: Principles, algorithms and applications. , 2010, , .		0