Feng Jiang

List of Publications by Year
in descending order

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101 papers	2,340 citations	279798 23 h-index	276875 41 g-index
102 all docs	102 docs citations	102 times ranked	2255 citing authors

#	Article	IF	Citations
1	Enable Fully Customized Assistance: A Novel IMU-Based Motor Intent Decoding Scheme. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 2089-2098.	3.8	6
2	A object detection and tracking method for security in intelligence of unmanned surface vehicles. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1279-1291.	4.9	13
3	Continuous Prediction of Lower-Limb Kinematics From Multi-Modal Biomedical Signals. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2592-2602.	8.3	18
4	Hierarchical complementary learning for weakly supervised object localization. Signal Processing: Image Communication, 2022, 100, 116520.	3.2	1
5	Study on the Control Method of Knee Joint Humanâ€“Exoskeleton Interactive System. Sensors, 2022, 22, 1040.	3.8	5
6	Detecting and Correcting IMU Movements During Joint Angle Estimation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	6
7	Video Compressed Sensing Using a Convolutional Neural Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 425-438.	8.3	30
8	Smart healthcare-oriented online prediction of lower-limb kinematics and kinetics based on data-driven neural signal decoding. Future Generation Computer Systems, 2021, 114, 96-105.	7.5	19
9	Entropy guided adversarial model for weakly supervised object localization. Neurocomputing, 2021, 429, 60-68.	5.9	5
10	High-speed tracking based on multi-CF filters and attention mechanism. Signal, Image and Video Processing, 2021, 15, 663-671.	2.7	3
11	A-DARTS: attention-guided differentiable architecture search for lung nodule classification. Journal of Electronic Imaging, 2021, 30, .	0.9	0
12	Reference Frame Unification of IMU-Based Joint Angle Estimation: The Experimental Investigation and a Novel Method. Sensors, 2021, 21, 1813.	3.8	4
13	Online Adaptive Prediction of Human Motion Intention Based on sEMG. Sensors, 2021, 21, 2882.	3.8	13
14	The Muscle Fatigueâ€™s Effects on the sEMG-Based Gait Phase Classification: An Experimental Study and a Novel Training Strategy. Applied Sciences (Switzerland), 2021, 11, 3821.	2.5	5
15	Active Loading Control Design for a Wearable Exoskeleton with a Bowden Cable for Transmission. Actuators, 2021, 10, 108.	2.3	6
16	Adaptive Flexible 3D Histogram Watermarking. , 2021, , .		2
17	A Novel sEMG-Based Gait Phase-Kinematics-Coupled Predictor and Its Interaction With Exoskeletons. Frontiers in Neurorobotics, 2021, 15, 704226.	2.8	5
18	A Bipolar Myoelectric Sensor-Enabled Human-Machine Interface Based On Spinal Module Activations. , 2021, , .		1

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19	Protecting the Ownership of Deep Learning Models with An End-to-End Watermarking Framework. , 2021, , .		0
20	Deep Learning Based Multi-Channel Intelligent Attack Detection for Data Security. IEEE Transactions on Sustainable Computing, 2020, 5, 204-212.	3.1	144
21	Obstructive sleep apnea detection using ecg-sensor with convolutional neural networks. Multimedia Tools and Applications, 2020, 79, 15813-15827.	3.9	26
22	The online estimation of the joint angle based on the gravity acceleration using the accelerometer and gyroscope in the wireless networks. Multimedia Tools and Applications, 2020, 79, 16265-16279.	3.9	1
23	Image Compressed Sensing Using Convolutional Neural Network. IEEE Transactions on Image Processing, 2020, 29, 375-388.	9.8	195
24	Siamese Local and Global Networks for Robust Face Tracking. IEEE Transactions on Image Processing, 2020, 29, 9152-9164.	9.8	28
25	Generalized Critic Policy Optimization: A Model For Combining Advantage Estimates In Actor Critic Methods. , 2020, , .		3
26	VINet: A Visually Interpretable Image Diagnosis Network. IEEE Transactions on Multimedia, 2020, 22, 1720-1729.	7.2	21
27	Classify and Explain: An Interpretable Convolutional Neural Network For Lung Cancer Diagnosis. , 2020, , .		6
28	Playing a FPS Doom Video Game with Deep Visual Reinforcement Learning. Automatic Control and Computer Sciences, 2019, 53, 214-222.	0.8	6
29	Optimal Skipping Rates: Training Agents with Fine-Grained Control Using Deep Reinforcement Learning. Journal of Robotics, 2019, 2019, 1-10.	0.9	6
30	Measuring bandwidth and buffer occupancy to improve the QoE of HTTP adaptive streaming. Signal, Image and Video Processing, 2019, 13, 1367-1375.	2.7	9
31	Deep person re-identification in UAV images. Eurasip Journal on Advances in Signal Processing, 2019, 2019, .	1.7	9
32	Scalable Convolutional Neural Network for Image Compressed Sensing. , 2019, , .		89
33	Brain Image Segmentation Based on FCM Clustering Algorithm and Rough Set. IEEE Access, 2019, 7, 12386-12396.	4.2	99
34	Medical image denoising using convolutional neural network: a residual learning approach. Journal of Supercomputing, 2019, 75, 704-718.	3.6	154
35	Feature-preserving mesh denoising based on guided normal filtering. Multimedia Tools and Applications, 2018, 77, 23009-23021.	3.9	8
36	Point-to-Set Distance Metric Learning on Deep Representations for Visual Tracking. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 187-198.	8.0	50

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37	Variable Selection and Optimization in Rapid Detection of Soybean Straw Biomass Based on CARS. IEEE Access, 2018, 6, 5290-5299.	4.2	27
38	Plant identification based on very deep convolutional neural networks. Multimedia Tools and Applications, 2018, 77, 29779-29797.	3.9	34
39	User-perceived quality aware adaptive streaming of 3D multi-view video plus depth over the internet. Multimedia Tools and Applications, 2018, 77, 22965-22983.	3.9	7
40	BoMW: Bag of Manifold Words for One-Shot Learning Gesture Recognition From Kinect. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2562-2573.	8.3	23
41	Medical image semantic segmentation based on deep learning. Neural Computing and Applications, 2018, 29, 1257-1265.	5.6	89
42	Hyperspectral classification based on spectralâ€“spatial convolutional neural networks. Engineering Applications of Artificial Intelligence, 2018, 68, 165-171.	8.1	48
43	An End-to-End Compression Framework Based on Convolutional Neural Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3007-3018.	8.3	138
44	Classification Guided Deep Convolutional Network for Compressed Sensing. , 2018, , .		0
45	An Efficient Deep Convolutional Laplacian Pyramid Architecture for Cs Reconstruction At Low Sampling Ratios. , 2018, , .		8
46	Estimating Three-Dimensional Body Orientation Based on an Improved Complementary Filter for Human Motion Tracking. Sensors, 2018, 18, 3765.	3.8	31
47	Establishment of cancer/testis antigen profiling based on clinicopathological characteristics in resected pathological stage III non-small cell lung cancer. Cancer Management and Research, 2018, Volume 10, 2031-2046.	1.9	6
48	A Data Leakage Prevention Method Based on the Reduction of Confidential and Context Terms for Smart Mobile Devices. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	28
49	Multi-Scale Deep Networks for Image Compressed Sensing. , 2018, , .		13
50	SAR-Oriented Visual Saliency Model and Directed Acyclic Graph Support Vector Metric Based Target Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3794-3810.	4.9	44
51	An Intelligent Network Attack Detection Method Based on RNN. , 2018, , .		31
52	Very deep feature extraction and fusion for arrhythmias detection. Neural Computing and Applications, 2018, 30, 2047-2057.	5.6	56
53	sEMG-Based Gesture Recognition with Convolution Neural Networks. Sustainability, 2018, 10, 1865.	3.2	89
54	A Competitive Combat Strategy and Tactics in RTS Games AI and StarCraft. Lecture Notes in Computer Science, 2018, , 3-12.	1.3	3

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55	Entropy Based Sub-band Deletion for Multispectral Image Compression. Lecture Notes in Computer Science, 2018, , 787-797.	1.3	1
56	Convolutional Neural Networks Based Intra Prediction for HEVC. , 2017, , .		37
57	Depth estimation from single monocular images using deep hybrid network. Multimedia Tools and Applications, 2017, 76, 18585-18604.	3.9	13
58	Deep networks for compressed image sensing. , 2017, , .		100
59	Recurrent Neural Network Based Classification of ECG Signal Features for Obstruction of Sleep Apnea Detection. , 2017, , .		39
60	Passive training control for the lower limb rehabilitation robot. , 2017, , .		6
61	Hyperspectral image compression based on online learning spectral features dictionary. Multimedia Tools and Applications, 2017, 76, 25003-25014.	3.9	14
62	Spatial and temporal pyramid-based real-time gesture recognition. Journal of Real-Time Image Processing, 2017, 13, 599-611.	3.5	5
63	Structured entropy of primitive: big dataâ€based stereoscopic image quality assessment. IET Image Processing, 2017, 11, 854-860.	2.5	5
64	Single image super-resolution with dilated convolution based multi-scale information learning inception module. , 2017, , .		49
65	Deep feature extraction and combination for synthetic aperture radar target classification. Journal of Applied Remote Sensing, 2017, 11, 1.	1.3	66
66	Training an Agent for FPS Doom Game using Visual Reinforcement Learning and VizDoom. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.7	7
67	Group-based sparse representation for low lighting image enhancement. , 2016, , .		9
68	Image Entropy of Primitive and visual quality assessment. , 2016, , .		7
69	QoE-Enabled Big Video Streaming for Large-Scale Heterogeneous Clients and Networks in Smart Cities. IEEE Access, 2016, 4, 97-107.	4.2	73
70	3D object retrieval with multi-feature collaboration and bipartite graph matching. Neurocomputing, 2016, 195, 40-49.	5.9	27
71	Hierarchical frame based spatialâ€“temporal recovery for video compressive sensing coding. Neurocomputing, 2016, 174, 404-412.	5.9	10
72	Big data driven decision making and multi-prior models collaboration for media restoration. Multimedia Tools and Applications, 2016, 75, 12967-12982.	3.9	6

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73	Optimal filter based on scale-invariance generation of natural images. Journal of Supercomputing, 2016, 72, 5-23.	3.6	6
74	An Asynchronous Periodic Sequential Pattern Mining Algorithm with Multiple Minimum Item Supports for Ad Hoc Networking. Journal of Sensors, 2015, 2015, 1-13.	1.1	1
75	Game theory based no-reference perceptual quality assessment for stereoscopic images. Journal of Supercomputing, 2015, 71, 3337-3352.	3.6	5
76	Spatial-temporal recovery for hierarchical frame based video compressed sensing. , 2015, , .		2
77	Reference image based method of region of interest enhancement for haze image. , 2015, , .		2
78	Face hallucination and recognition in social network services. Journal of Supercomputing, 2015, 71, 2035-2049.	3.6	14
79	Measurement of Duration, Energy of Instantaneous Frequencies, and Splits of Subcomponents of the Second Heart Sound. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1958-1967.	4.7	35
80	Discriminating features learning in hand gesture classification. IET Computer Vision, 2015, 9, 673-680.	2.0	11
81	Compressed Vision Information Restoration Based on Cloud Prior and Local Prior. IEEE Access, 2014, 2, 1117-1127.	4.2	4
82	Viewpoint-independent hand gesture recognition with Kinect. Signal, Image and Video Processing, 2014, 8, 163-172.	2.7	13
83	Multi-scale face hallucination based on frequency bands analysis. , 2013, , .		1
84	Spatially directional predictive coding for block-based compressive sensing of natural images. , 2013, , .		26
85	Structural Group Sparse Representation for Image Compressive Sensing Recovery. , 2013, , .		24
86	An improved image compression scheme with an adaptive parameters set in encrypted domain. , 2013, , .		2
87	Estimation of end-to-end distortion of virtual view for error-resilient depth map coding. , 2013, , .		2
88	Natural images scale invariance and high-fidelity image restoration. , 2013, , .		0
89	From relation between filter-based MRFs model and sparsity based method to the pursuit of natural images space. , 2013, , .		1
90	Hand gesture recognition based on skeleton of point clouds. , 2012, , .		4

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91	High-quality image interpolation via local autoregressive and nonlocal 3-D sparse regularization. , 2012, , .		5
92	Viewpoint-independent hand gesture recognition system. , 2012, , .		1
93	Saliency Detection: A Self-Adaption Sparse Representation Approach. , 2011, , .		0
94	Synthetic data generation technique in Signer-independent sign language recognition. Pattern Recognition Letters, 2009, 30, 513-524.	4.2	11
95	Sign Language Synthesis of Individuation Based on Data Model. , 2008, , .		1
96	DTW/ISODATA Algorithm and Multilayer Architecture in Sign Language Recognition with Large Vocabulary. , 2008, , .		6
97	Multilayer method based on multi-resolution feature extracting and MVC dimension reducing method for sign language recognition. , 2005, , .		1
98	Device independence based on BSOFMS in sign language recognition. , 2005, , .		0
99	Based on HMM and SVM Multilayer Architecture Classifier for Chinese Sign Language Recognition with Large Vocabulary. , 0, , .		8
100	Deep Learning and Dempster-Shafer Theory Based Insider Threat Detection. Mobile Networks and Applications, 0, , 1.	3.3	7
101	QoE-Enabled Big Video Streaming for Large-Scale Heterogeneous Clients and Networks in Smart Cities. , 0, .		1