

Richard Jiang

List of Publications by Year in descending order

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48
papers

786
citations

567281

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552781

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48
all docs

48
docs citations

48
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Quantum Image Classification Using Single Qubit Encoding. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1472-1486.	11.3	6
2	Delve Into Neural Activations: Toward Understanding Dying Neurons. IEEE Transactions on Artificial Intelligence, 2023, 4, 959-971.	4.7	1
3	Private Facial Prediagnosis as an Edge Service for Parkinson's DBS Treatment Valuation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2703-2713.	6.3	5
4	EBSRMF: Ensemble based similarity-regularized matrix factorization to predict anticancer drug responses. Journal of Intelligent and Fuzzy Systems, 2022, , 1-10.	1.4	1
5	Towards robust diagnosis of COVID-19 using vision self-attention transformer. Scientific Reports, 2022, 12, .	3.3	7
6	Robust Brain Age Estimation Based on sMRI via Nonlinear Age-Adaptive Ensemble Learning. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 2146-2156.	4.9	2
7	Auto-Diagnosis of COVID-19 Using Lung CT Images With Semi-Supervised Shallow Learning Network. IEEE Access, 2021, 9, 28716-28728.	4.2	34
8	On Depth, Robustness and Performance Using the Data Re-Uploading Single-Qubit Classifier. IEEE Access, 2021, 9, 65127-65139.	4.2	7
9	A Privacy-Preservation Framework Based on Biometrics Blockchain (BBC) to Prevent Attacks in VANET. IEEE Access, 2021, 9, 87299-87309.	4.2	28
10	Potential for Chemistry in Multidisciplinary, Interdisciplinary, and Transdisciplinary Teaching Activities in Higher Education. Journal of Chemical Education, 2021, 98, 1124-1145.	2.3	26
11	Secure facial recognition in the encrypted domain using a local ternary pattern approach. Journal of Information Security and Applications, 2021, 59, 102810.	2.5	5
12	Multi-Descriptor Random Sampling for Patch-Based Face Recognition. Applied Sciences (Switzerland), 2021, 11, 6303.	2.5	0
13	Explainable artificial intelligence: an analytical review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1424.	6.8	198
14	AI-enabled Microscopic Blood Analysis for Microfluidic COVID-19 Hematology. , 2020, , .		5
15	Deep Learning-Based Automated Forest Health Diagnosis From Aerial Images. IEEE Access, 2020, 8, 144064-144076.	4.2	44
16	Deep Learning Based Pedestrian Detection at Distance in Smart Cities. Advances in Intelligent Systems and Computing, 2020, , 588-593.	0.6	9
17	Biometric Blockchain: A Secure Solution for Intelligent Vehicle Data Sharing. Unsupervised and Semi-supervised Learning, 2020, , 245-256.	0.5	5
18	Atypical Facial Landmark Localisation with Stacked Hourglass Networks: A Study on 3D Facial Modelling for Medical Diagnosis. Unsupervised and Semi-supervised Learning, 2020, , 37-49.	0.5	1

#	ARTICLE	IF	CITATIONS
19	3D Printed Brain-Controlled Robot-Arm Prosthetic via Embedded Deep Learning From sEMG Sensors. , 2020, , .		9
20	Social Behavioral Phenotyping of Drosophila With a 2Dâ€“3D Hybrid CNN Framework. IEEE Access, 2019, 7, 67972-67982.	4.2	15
21	Application of local binary patterns and cascade AdaBoost classifier for mice behavioural patterns detection and analysis. Procedia Computer Science, 2019, 159, 1375-1386.	2.0	3
22	Shallow Unorganized Neural Networks Using Smart Neuron Model for Visual Perception. IEEE Access, 2019, 7, 152701-152714.	4.2	11
23	3DPalsyNet: A Facial Palsy Grading and Motion Recognition Framework Using Fully 3D Convolutional Neural Networks. IEEE Access, 2019, 7, 121655-121664.	4.2	27
24	Biometric Blockchain: A Better Solution for the Security and Trust of Food Logistics. IOP Conference Series: Materials Science and Engineering, 2019, 646, 012009.	0.6	10
25	Distant Pedestrian Detection in the Wild using Single Shot Detector with Deep Convolutional Generative Adversarial Networks. , 2019, , .		5
26	Automated Blood Cell Detection and Counting via Deep Learning for Microfluidic Point-of-Care Medical Devices. IOP Conference Series: Materials Science and Engineering, 2019, 646, 012048.	0.6	17
27	Trajectory based vehicle counting and anomalous event visualization in smart cities. Cluster Computing, 2018, 21, 443-452.	5.0	11
28	Integrated Deep Model for Face Detection and Landmark Localization From â€œIn The Wildâ€œ Images. IEEE Access, 2018, 6, 74442-74452.	4.2	21
29	Emotion recognition from scrambled facial images via many graph embedding. Pattern Recognition, 2017, 67, 245-251.	8.1	44
30	Glyph-based video visualization on Google Map for surveillance in smart cities. Eurasip Journal on Image and Video Processing, 2017, 2017, .	2.6	10
31	Random sampling for patch-based face recognition. , 2017, , .		13
32	Role for 2D image generated 3D face models in the rehabilitation of facial palsy. Healthcare Technology Letters, 2017, 4, 145-148.	3.3	19
33	An Environment for Rapid Derivatives Design and Experimentation. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1073-1082.	10.8	1
34	Face Recognition in the Scrambled Domain via Saliency-Aware Ensembles of Many Kernels. IEEE Transactions on Information Forensics and Security, 2016, 11, 1807-1817.	6.9	27
35	Automated vehicle density estimation from raw surveillance videos. , 2016, , .		5
36	Low-quality facial biometric verification via dictionary-based random pooling. Pattern Recognition, 2016, 52, 238-248.	8.1	13

#	ARTICLE	IF	CITATIONS
37	Privacy-Protected Facial Biometric Verification Using Fuzzy Forest Learning. IEEE Transactions on Fuzzy Systems, 2016, 24, 779-790.	9.8	26
38	Traffic Flow Estimation from Road Surveillance. , 2015, , .		6
39	A wavelet neural network model for spatio-temporal image processing and modeling. , 2015, , .		1
40	Visualization of faces from surveillance videos via face hallucination. , 2014, , .		1
41	Robust human silhouette extraction with Laplacian fitting. Pattern Recognition Letters, 2014, 49, 69-76.	4.2	4
42	Automated 3-D Animation From Snooker Videos With Information-Theoretical Optimization. IEEE Transactions on Games, 2013, 5, 337-345.	1.4	7
43	Face Recognition in Global Harmonic Subspace. IEEE Transactions on Information Forensics and Security, 2010, 5, 416-424.	6.9	17
44	Hierarchical video summarization in reference subspace. IEEE Transactions on Consumer Electronics, 2009, 55, 1551-1557.	3.6	21
45	FPGA-based minutia matching for biometric fingerprint image database retrieval. Journal of Real-Time Image Processing, 2008, 3, 177-182.	3.5	19
46	Area-efficient high-speed 3D DWT processor architecture. Electronics Letters, 2007, 43, 502.	1.0	15
47	Using signed digit arithmetic for low-power multiplication. Electronics Letters, 2007, 43, 613.	1.0	13
48	High-performance 3D median filter architecture for medical image despeckling. Electronics Letters, 2006, 42, 1379.	1.0	11