

Richard Jiang

List of Publications by Year in descending order

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48
papers

786
citations

567281

15
h-index

552781

26
g-index

48
all docs

48
docs citations

48
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	Explainable artificial intelligence: an analytical review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1424.	6.8	198
2	Emotion recognition from scrambled facial images via many graph embedding. Pattern Recognition, 2017, 67, 245-251.	8.1	44
3	Deep Learning-Based Automated Forest Health Diagnosis From Aerial Images. IEEE Access, 2020, 8, 144064-144076.	4.2	44
4	Auto-Diagnosis of COVID-19 Using Lung CT Images With Semi-Supervised Shallow Learning Network. IEEE Access, 2021, 9, 28716-28728.	4.2	34
5	A Privacy-Preservation Framework Based on Biometrics Blockchain (BBC) to Prevent Attacks in VANET. IEEE Access, 2021, 9, 87299-87309.	4.2	28
6	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
7	3DPalsyNet: A Facial Palsy Grading and Motion Recognition Framework Using Fully 3D Convolutional Neural Networks. IEEE Access, 2019, 7, 121655-121664.	4.2	27
8	Privacy-Protected Facial Biometric Verification Using Fuzzy Forest Learning. IEEE Transactions on Fuzzy Systems, 2016, 24, 779-790.	9.8	26
9	Potential for Chemistry in Multidisciplinary, Interdisciplinary, and Transdisciplinary Teaching Activities in Higher Education. Journal of Chemical Education, 2021, 98, 1124-1145.	2.3	26
10	Hierarchical video summarization in reference subspace. IEEE Transactions on Consumer Electronics, 2009, 55, 1551-1557.	3.6	21
11	Integrated Deep Model for Face Detection and Landmark Localization From The Wild Images. IEEE Access, 2018, 6, 74442-74452.	4.2	21
12	FPGA-based minutia matching for biometric fingerprint image database retrieval. Journal of Real-Time Image Processing, 2008, 3, 177-182.	3.5	19
13	Role for 2D image generated 3D face models in the rehabilitation of facial palsy. Healthcare Technology Letters, 2017, 4, 145-148.	3.3	19
14	Face Recognition in Global Harmonic Subspace. IEEE Transactions on Information Forensics and Security, 2010, 5, 416-424.	6.9	17
15	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
16	Area-efficient high-speed 3D DWT processor architecture. Electronics Letters, 2007, 43, 502.	1.0	15
17	Social Behavioral Phenotyping of Drosophila With a 2D-3D Hybrid CNN Framework. IEEE Access, 2019, 7, 67972-67982.	4.2	15
18	Using signed digit arithmetic for low-power multiplication. Electronics Letters, 2007, 43, 613.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Low-quality facial biometric verification via dictionary-based random pooling. Pattern Recognition, 2016, 52, 238-248.	8.1	13
20	Random sampling for patch-based face recognition. , 2017, , .		13
21	High-performance 3D median filter architecture for medical image despeckling. Electronics Letters, 2006, 42, 1379.	1.0	11
22	Trajectory based vehicle counting and anomalous event visualization in smart cities. Cluster Computing, 2018, 21, 443-452.	5.0	11
23	Shallow Unorganized Neural Networks Using Smart Neuron Model for Visual Perception. IEEE Access, 2019, 7, 152701-152714.	4.2	11
24	Glyph-based video visualization on Google Map for surveillance in smart cities. Eurasip Journal on Image and Video Processing, 2017, 2017, .	2.6	10
25	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
26	Deep Learning Based Pedestrian Detection at Distance in Smart Cities. Advances in Intelligent Systems and Computing, 2020, , 588-593.	0.6	9
27	3D Printed Brain-Controlled Robot-Arm Prosthetic via Embedded Deep Learning From sEMG Sensors. , 2020, , .		9
28	Automated 3-D Animation From Snooker Videos With Information-Theoretical Optimization. IEEE Transactions on Games, 2013, 5, 337-345.	1.4	7
29	On Depth, Robustness and Performance Using the Data Re-Uploading Single-Qubit Classifier. IEEE Access, 2021, 9, 65127-65139.	4.2	7
30	Towards robust diagnosis of COVID-19 using vision self-attention transformer. Scientific Reports, 2022, 12, .	3.3	7
31	Traffic Flow Estimation from Road Surveillance. , 2015, , .		6
32	Efficient Quantum Image Classification Using Single Qubit Encoding. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1472-1486.	11.3	6
33	Automated vehicle density estimation from raw surveillance videos. , 2016, , .		5
34	Distant Pedestrian Detection in the Wild using Single Shot Detector with Deep Convolutional Generative Adversarial Networks. , 2019, , .		5
35	AI-enabled Microscopic Blood Analysis for Microfluidic COVID-19 Hematology. , 2020, , .		5
36	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

#	ARTICLE	IF	CITATIONS
37	Biometric Blockchain: A Secure Solution for Intelligent Vehicle Data Sharing. Unsupervised and Semi-supervised Learning, 2020, , 245-256.	0.5	5
38	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
39	Robust human silhouette extraction with Laplacian fitting. Pattern Recognition Letters, 2014, 49, 69-76.	4.2	4
40	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
41	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
42	Visualization of faces from surveillance videos via face hallucination. , 2014, , .		1
43	A wavelet neural network model for spatio-temporal image processing and modeling. , 2015, , .		1
44	An Environment for Rapid Derivatives Design and Experimentation. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1073-1082.	10.8	1
45	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
46	EBSRMF: Ensemble based similarity-regularized matrix factorization to predict anticancer drug responses. Journal of Intelligent and Fuzzy Systems, 2022, , 1-10.	1.4	1
47	Delve Into Neural Activations: Toward Understanding Dying Neurons. IEEE Transactions on Artificial Intelligence, 2023, 4, 959-971.	4.7	1
48	Multi-Descriptor Random Sampling for Patch-Based Face Recognition. Applied Sciences (Switzerland), 2021, 11, 6303.	2.5	0