

Yuan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,460
citations

516710

16
h-index

345221

36
g-index

39
all docs

39
docs citations

39
times ranked

1709
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid manifold-deep convolutional neural network for sleep staging. <i>Methods</i> , 2022, 202, 164-172.	3.8	10
2	A CNN Model for Cardiac Arrhythmias Classification Based on Individual ECG Signals. <i>Cardiovascular Engineering and Technology</i> , 2022, 13, 548-557.	1.6	7
3	CMS2-Net: Semi-Supervised Sleep Staging for Diverse Obstructive Sleep Apnea Severity. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 3447-3457.	6.3	7
4	Epileptic Seizure Detection by Cascading Isolation Forest-Based Anomaly Screening and EasyEnsemble. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 915-924.	4.9	28
5	Adversarial learning for semi-supervised pediatric sleep staging with single-EEG channel. <i>Methods</i> , 2022, 204, 84-91.	3.8	15
6	A lightweight automatic sleep staging method for children using single-channel EEG based on edge artificial intelligence. <i>World Wide Web</i> , 2022, 25, 1883-1903.	4.0	4
7	mHealth Technologies Towards Parkinson's Disease Detection and Monitoring in Daily Life: A Comprehensive Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2021, 14, 71-81.	18.0	18
8	DBAN: Adversarial Network With Multi-Scale Features for Cardiac MRI Segmentation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 2018-2028.	6.3	17
9	Evaluation and Diagnosis of Brain Diseases based on Non-invasive BCI. , 2021, , .		12
10	Wearable ECG signal processing for automated cardiac arrhythmia classification using CFASE-based feature selection. <i>Expert Systems</i> , 2020, 37, e12432.	4.5	12
11	Epilepsy Seizure Prediction on EEG Using Common Spatial Pattern and Convolutional Neural Network. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 465-474.	6.3	157
12	Deep Learning Approached Features for ASD Classification using SVM. , 2020, , .		12
13	Single Volume Image Generator and Deep Learning-Based ASD Classification. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 3044-3054.	6.3	38
14	EEG classification by filter band component regularized common spatial pattern for motor imagery. <i>Biomedical Signal Processing and Control</i> , 2020, 59, 101917.	5.7	19
15	A Noninvasive Blood Glucose Monitoring System Based on Smartphone PPG Signal Processing and Machine Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 7209-7218.	11.3	74
16	A Localization Method Avoiding Flip Ambiguities for Micro-UAVs with Bounded Distance Measurement Errors. <i>IEEE Transactions on Mobile Computing</i> , 2019, 18, 1718-1730.	5.8	23
17	Crowdsourced Traffic Event Detection and Source Reputation Assessment Using Smart Contracts. <i>Sensors</i> , 2019, 19, 3267.	3.8	15
18	Guest Editorial Special Issue on Wearable Sensor-Based Big Data Analysis for Smart Health. <i>IEEE Internet of Things Journal</i> , 2019, 6, 1293-1297.	8.7	4

#	ARTICLE	IF	CITATIONS
19	Neuroimaging and Machine Learning for Dementia Diagnosis: Recent Advancements and Future Prospects. IEEE Reviews in Biomedical Engineering, 2019, 12, 19-33.	18.0	76
20	3-D Deployment Optimization for Heterogeneous Wireless Directional Sensor Networks on Smart City. IEEE Transactions on Industrial Informatics, 2019, 15, 1798-1808.	11.3	51
21	A sensor-based wrist pulse signal processing and lung cancer recognition. Journal of Biomedical Informatics, 2018, 79, 107-116.	4.3	53
22	Geo-cascading and community-cascading in social networks: Comparative analysis and its implications to edge caching. Information Sciences, 2018, 436-437, 1-12.	6.9	6
23	Pain-Free Blood Glucose Monitoring Using Wearable Sensors: Recent Advancements and Future Prospects. IEEE Reviews in Biomedical Engineering, 2018, 11, 21-35.	18.0	75
24	Strain Gage Sensor Based Golfer Identification Using Machine Learning Algorithms. Procedia Computer Science, 2018, 129, 135-140.	2.0	4
25	Dynamic ECG Signal Quality Evaluation Based on the Generalized bSQI Index. IEEE Access, 2018, 6, 41892-41902.	4.2	19
26	Automated epileptic seizure detection using improved correlation-based feature selection with random forest classifier. Neurocomputing, 2017, 241, 204-214.	5.9	214
27	An Improved Archaeology Algorithm Based on Integrated Multi-Source Biological Information for Yeast Protein Interaction Network. IEEE Access, 2017, 5, 15893-15900.	4.2	8
28	Public Interest Analysis Based on Implicit Feedback of IPTV Users. IEEE Transactions on Industrial Informatics, 2017, 13, 2077-2086.	11.3	7
29	Queuing Algorithm for Effective Target Coverage in Mobile Crowd Sensing. IEEE Internet of Things Journal, 2017, 4, 1046-1055.	8.7	21
30	Suitability of Strain Gage Sensors for Integration into Smart Sport Equipment: A Golf Club Example. Sensors, 2017, 17, 916.	3.8	24
31	A Pulse Rate Estimation Algorithm Using PPG and Smartphone Camera. Journal of Medical Systems, 2016, 40, 126.	3.6	47
32	An HCI paradigm fusing flexible object selection and AOM-based animation. Information Sciences, 2016, 369, 368-387.	6.9	6
33	Fuzzy clustering with the entropy of attribute weights. Neurocomputing, 2016, 198, 125-134.	5.9	132
34	Ubiquitous WSN for Healthcare: Recent Advances and Future Prospects. IEEE Internet of Things Journal, 2014, 1, 311-318.	8.7	208
35	A routing enhanced localisation algorithm for wireless sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 15, 6.	0.5	1
36	White noise estimators for networked systems with packet dropouts. International Journal of Control, Automation and Systems, 2013, 11, 1187-1195.	2.7	7

#	ARTICLE	IF	CITATIONS
37	Theoretic analysis of unique localization for wireless sensor networks. Ad Hoc Networks, 2012, 10, 623-634.	5.5	17
38	Towards Unique and Anchor-Free Localization for Wireless Sensor Networks. Wireless Personal Communications, 2012, 63, 261-278.	2.7	12