

Ran Xiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4162161/publications.pdf>

Version: 2024-02-01

23
papers

360
citations

1039880

9
h-index

887953

17
g-index

23
all docs

23
docs citations

23
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoding Individual Finger Movements from One Hand Using Human EEG Signals. PLoS ONE, 2014, 9, e85192.	1.1	121
2	A Supervised Approach to Robust Photoplethysmography Quality Assessment. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 649-657.	3.9	51
3	Electroencephalography power and coherence changes with age and motor skill development across the first half year of life. PLoS ONE, 2018, 13, e0190276.	1.1	42
4	Evaluation of EEG Features in Decoding Individual Finger Movements from One Hand. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-10.	0.7	25
5	Combining multiple features for error detection and its application in brain-computer interface. BioMedical Engineering OnLine, 2016, 15, 17.	1.3	18
6	Monitoring significant ST changes through deep learning. Journal of Electrocardiology, 2018, 51, S78-S82.	0.4	17
7	EEG resolutions in detecting and decoding finger movements from spectral analysis. Frontiers in Neuroscience, 2015, 9, 308.	1.4	15
8	Explainability Metrics of Deep Convolutional Networks for Photoplethysmography Quality Assessment. IEEE Access, 2021, 9, 29736-29745.	2.6	15
9	Characterization of infant mu rhythm immediately before crawling: A high-resolution EEG study. NeuroImage, 2017, 146, 47-57.	2.1	14
10	A Deep Learning Approach to Examine Ischemic ST Changes in Ambulatory ECG Recordings. AMIA Summits on Translational Science Proceedings, 2018, 2017, 256-262.	0.4	6
11	Evaluation of ECG algorithms designed to improve detect of transient myocardial ischemia to minimize false alarms in patients with suspected acute coronary syndrome. Journal of Electrocardiology, 2018, 51, 288-295.	0.4	5
12	Characterization of pallidocortical motor network in Parkinson's disease through complex network analysis. Journal of Neural Engineering, 2019, 16, 066034.	1.8	5
13	Electroencephalography measures of relative power and coherence as reaching skill emerges in infants born preterm. Scientific Reports, 2021, 11, 3609.	1.6	5
14	Discriminating multiple motor imageries of human hands using EEG. , 2012, 2012, 1773-6.		4
15	Relationships between variance in electroencephalography relative power and developmental status in infants with typical development and at risk for developmental disability: An observational study. Gates Open Research, 2018, 2, 47.	2.0	4
16	Time Synchronization of Multimodal Physiological Signals through Alignment of Common Signal Types and Its Technical Considerations in Digital Health. Journal of Imaging, 2022, 8, 120.	1.7	4
17	Generalizability of SuperAlarm via Cross-Institutional Performance Evaluation. IEEE Access, 2020, 8, 132404-132412.	2.6	3
18	Spectra of infant EEG within the first year of life: A pilot study. , 2015, 2015, 4753-6.		2

#	ARTICLE	IF	CITATIONS
19	Predict In-Hospital Code Blue Events using Monitor Alarms through Deep Learning Approach. , 2018, 2018, 3717-3720.		2
20	Classification of finger pairs from one hand based on spectral features in human EEG. , 2014, 2014, 1263-6.		1
21	Continuous monitoring of cerebrovascular reactivity through pulse transit time and intracranial pressure. Physiological Measurement, 2019, 40, 01LT01.	1.2	1
22	Technical considerations for evaluating clinical prediction indices: a case study for predicting code blue events with MEWS. Physiological Measurement, 2021, 42, 055005.	1.2	0
23	Relationships between variance in electroencephalography relative power and developmental status in infants with typical development and at risk for developmental disability: An observational study. Gates Open Research, 0, 2, 47.	2.0	0