

Rui Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,291
citations

361388

20
h-index

395678

33
g-index

38
all docs

38
docs citations

38
times ranked

1207
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Frequencies Sequential Coding for SSVEP-Based Brain-Computer Interface. PLoS ONE, 2012, 7, e29519.	2.5	123
2	Efficient resting-state EEG network facilitates motor imagery performance. Journal of Neural Engineering, 2015, 12, 066024.	3.5	106
3	The Time-Varying Networks in P300: A Task-Evoked EEG Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 725-733.	4.9	95
4	Structural and functional correlates of motor imagery BCI performance: Insights from the patterns of fronto-parietal attention network. NeuroImage, 2016, 134, 475-485.	4.2	90
5	Separated channel convolutional neural network to realize the training free motor imagery BCI systems. Biomedical Signal Processing and Control, 2019, 49, 396-403.	5.7	83
6	Differentiating Between Psychogenic Nonepileptic Seizures and Epilepsy Based on Common Spatial Pattern of Weighted EEG Resting Networks. IEEE Transactions on Biomedical Engineering, 2014, 61, 1747-1755.	4.2	82
7	Relationships between the resting-state network and the P3: Evidence from a scalp EEG study. Scientific Reports, 2015, 5, 15129.	3.3	81
8	The Dynamic Brain Networks of Motor Imagery: Time-Varying Causality Analysis of Scalp EEG. International Journal of Neural Systems, 2019, 29, 1850016.	5.2	80
9	The hybrid BCI system for movement control by combining motor imagery and moving onset visual evoked potential. Journal of Neural Engineering, 2017, 14, 026015.	3.5	79
10	Predicting Inter-session Performance of SMR-Based Brain-Computer Interface Using the Spectral Entropy of Resting-State EEG. Brain Topography, 2015, 28, 680-690.	1.8	60
11	L1 Norm based common spatial patterns decomposition for scalp EEG BCI. BioMedical Engineering OnLine, 2013, 12, 77.	2.7	36
12	Autoregressive model in the Lp norm space for EEG analysis. Journal of Neuroscience Methods, 2015, 240, 170-178.	2.5	35
13	Using particle swarm to select frequency band and time interval for feature extraction of EEG based BCI. Biomedical Signal Processing and Control, 2014, 10, 289-295.	5.7	32
14	Brain Network Reconfiguration During Motor Imagery Revealed by a Large-Scale Network Analysis of Scalp EEG. Brain Topography, 2019, 32, 304-314.	1.8	31
15	Local Temporal Correlation Common Spatial Patterns for Single Trial EEG Classification during Motor Imagery. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	1.3	30
16	Using Brain Network Features to Increase the Classification Accuracy of MI-BCI Inefficiency Subject. IEEE Access, 2019, 7, 74490-74499.	4.2	30
17	An Efficient Frequency Recognition Method Based on Likelihood Ratio Test for SSVEP-Based BCI. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-7.	1.3	28
18	SSVEP Stimulus Layout Effect on Accuracy of Brain-Computer Interfaces in Augmented Reality Glasses. IEEE Access, 2020, 8, 5990-5998.	4.2	28

#	ARTICLE	IF	CITATIONS
19	Subject inefficiency phenomenon of motor imagery brain-computer interface: Influence factors and potential solutions. <i>Brain Science Advances</i> , 2020, 6, 224-241.	0.9	25
20	Characterizing nonlinear relationships in functional imaging data using eigenspace maximal information canonical correlation analysis (emiCCA). <i>NeuroImage</i> , 2015, 109, 388-401.	4.2	20
21	Effects of High-Definition Transcranial Direct-Current Stimulation on Resting-State Functional Connectivity in Patients With Disorders of Consciousness. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 560586.	2.0	19
22	A CNN-based multi-target fast classification method for AR-SSVEP. <i>Computers in Biology and Medicine</i> , 2022, 141, 105042.	7.0	17
23	Spatiotemporal consistency of local neural activities: A new imaging measure for functional MRI data. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 729-736.	3.4	15
24	The effect of stimulus number on the recognition accuracy and information transfer rate of SSVEP-BCI in augmented reality. <i>Journal of Neural Engineering</i> , 2022, 19, 036010.	3.5	14
25	An Adaptive Motion-Onset VEP-Based Brain-Computer Interface. <i>IEEE Transactions on Autonomous Mental Development</i> , 2015, 7, 349-356.	1.6	13
26	Multivariate empirical mode decomposition based sub-frequency bands analysis of the default mode network: a resting-state fMRI data study. <i>Applied Informatics</i> , 2015, 2, .	0.5	12
27	White Matter Connectivity Pattern Associate with Characteristics of Scalp EEG Signals. <i>Brain Topography</i> , 2017, 30, 797-809.	1.8	6
28	Editorial: Through a Glass, Darkly: The Influence of the EEG Reference on Inference About Brain Function and Disorders. <i>Frontiers in Neuroscience</i> , 2019, 13, 1341.	2.8	4
29	The Influence of Different EEG References on Scalp EEG Functional Network Analysis During Hand Movement Tasks. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 367.	2.0	4
30	Assessing residual motor function in patients with disorders of consciousness by brain network properties of task-state EEG. <i>Cognitive Neurodynamics</i> , 2022, 16, 609-620.	4.0	4
31	Insights on the role of external globus pallidus in controlling absence seizures. <i>Neural Networks</i> , 2021, 135, 78-90.	5.9	3
32	EEG function network analysis of left and right hand motor imagery. , 2017, , .		2
33	Differences in Intersubject Early Readiness Potentials Between Voluntary and Instructed Actions. <i>Frontiers in Psychology</i> , 2020, 11, 529821.	2.1	2
34	Enhanced Z-LDA for Small Sample Size Training in Brain-Computer Interface Systems. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-7.	1.3	1
35	Instruction Cues Increase Brain Network Complexity During Movement Preparation. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2022, 27, 202-210.	0.9	1
36	A speller system for locked-in patient to communicate with friends. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	EEG Microstate Analysis in Patients With Increased Intracranial Pressure. <i>International Journal of Psychophysiology</i> , 2021, 168, S108.	1.0	0
38	Resting-State Long-Range Functional Connectivity Density Reveals Sensorimotor Rhythm-Based BCI Performance Variations. <i>Advances in Cognitive Neurodynamics</i> , 2016, , 391-396.	0.1	0