Fali Li

List of Publications by Year
in descending order

89 papers	2,518 citations	218381 26 h-index	233125 45 g-index
91 all docs	91 docs citations	91 times ranked	1946 citing authors

#	Article	IF	Citations
1	EEG Based Emotion Recognition by Combining Functional Connectivity Network and Local Activations. IEEE Transactions on Biomedical Engineering, 2019, 66, 2869-2881.	2.5	224
2	MATLAB Toolboxes for Reference Electrode Standardization Technique (REST) of Scalp EEG. Frontiers in Neuroscience, 2017, 11, 601.	1.4	135
3	Efficient resting-state EEG network facilitates motor imagery performance. Journal of Neural Engineering, 2015, 12, 066024.	1.8	106
4	The Time-Varying Networks in P300: A Task-Evoked EEG Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 725-733.	2.7	95
5	Structural and functional correlates of motor imagery BCI performance: Insights from the patterns of fronto-parietal attention network. NeuroImage, 2016, 134, 475-485.	2.1	90
6	Differentiation of Schizophrenia by Combining the Spatial EEG Brain Network Patterns of Rest and Task P300. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 594-602.	2.7	84
7	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.	2.5	82
8	Relationships between the resting-state network and the P3: Evidence from a scalp EEG study. Scientific Reports, 2015, 5, 15129.	1.6	81
9	The Dynamic Brain Networks of Motor Imagery: Time-Varying Causality Analysis of Scalp EEG. International Journal of Neural Systems, 2019, 29, 1850016.	3.2	80
10	The hybrid BCI system for movement control by combining motor imagery and moving onset visual evoked potential. Journal of Neural Engineering, 2017, 14, 026015.	1.8	79
11	Correlated Component Analysis for Enhancing the Performance of SSVEP-Based Brain-Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 948-956.	2.7	74
12	Two-Stage Frequency Recognition Method Based on Correlated Component Analysis for SSVEP-Based BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1314-1323.	2.7	67
13	The extraction of motion-onset VEP BCI features based on deep learning and compressed sensing. Journal of Neuroscience Methods, 2017, 275, 80-92.	1.3	65
14	Different Decision-Making Responses Occupy Different Brain Networks for Information Processing: A Study Based on EEG and TMS. Cerebral Cortex, 2019, 29, 4119-4129.	1.6	63
15	Predicting Inter-session Performance of SMR-Based Brainâ€“Computer Interface Using the Spectral Entropy of Resting-State EEG. Brain Topography, 2015, 28, 680-690.	0.8	60
16	Neuroscience Information Toolbox: An Open Source Toolbox for EEGâ€“fMRI Multimodal Fusion Analysis. Frontiers in Neuroinformatics, 2018, 12, 56.	1.3	54
17	Inter-subject P300 variability relates to the efficiency of brain networks reconfigured from resting- to task-state: Evidence from a simultaneous event-related EEG-fMRI study. NeuroImage, 2020, 205, 116285.	2.1	48
18	Predicting individual decision-making responses based on single-trial EEG. NeuroImage, 2020, 206, 116333.	2.1	47

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19	Robust removal of ocular artifacts by combining Independent Component Analysis and system identification. Biomedical Signal Processing and Control, 2014, 10, 250-259.	3.5	45
20	Rapid Improvement in Visual Selective Attention Related to Action Video Gaming Experience. Frontiers in Human Neuroscience, 2018, 12, 47.	1.0	40
21	Noise-assisted multivariate empirical mode decomposition for multichannel EMG signals. BioMedical Engineering OnLine, 2017, 16, 107.	1.3	39
22	Cortical network properties revealed by SSVEP in anesthetized rats. Scientific Reports, 2013, 3, 2496.	1.6	36
23	Autoregressive model in the Lp norm space for EEG analysis. Journal of Neuroscience Methods, 2015, 240, 170-178.	1.3	35
24	Predicting individual decision-making responses based on the functional connectivity of resting-state EEG. Journal of Neural Engineering, 2019, 16, 066025.	1.8	33
25	Brain Network Reconfiguration During Motor Imagery Revealed by a Large-Scale Network Analysis of Scalp EEG. Brain Topography, 2019, 32, 304-314.	0.8	31
26	Local Temporal Correlation Common Spatial Patterns for Single Trial EEG Classification during Motor Imagery. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-7.	0.7	30
27	Different Contexts in the Oddball Paradigm Induce Distinct Brain Networks in Generating the P300. Frontiers in Human Neuroscience, 2018, 12, 520.	1.0	30
28	Transition of brain networks from an interictal to a preictal state preceding a seizure revealed by scalp EEG network analysis. Cognitive Neurodynamics, 2019, 13, 175-181.	2.3	30
29	Measuring the Non-linear Directed Information Flow in Schizophrenia by Multivariate Transfer Entropy. Frontiers in Computational Neuroscience, 2019, 13, 85.	1.2	26
30	A survey of brain network analysis by electroencephalographic signals. Cognitive Neurodynamics, 2022, 16, 17-41.	2.3	26
31	The enhanced information flow from visual cortex to frontal area facilitates SSVEP response: evidence from model-driven and data-driven causality analysis. Scientific Reports, 2015, 5, 14765.	1.6	25
32	Subject inefficiency phenomenon of motor imagery brain-computer interface: Influence factors and potential solutions. Brain Science Advances, 2020, 6, 224-241.	0.3	25
33	Brain variability in dynamic resting-state networks identified by fuzzy entropy: a scalp EEG study. Journal of Neural Engineering, 2021, 18, 046097.	1.8	23
34	Hierarchical feature fusion framework for frequency recognition in SSVEP-based BCIs. Neural Networks, 2019, 119, 1-9.	3.3	22
35	Time-Varying Networks of Inter-Ictal Discharging Reveal Epileptogenic Zone. Frontiers in Computational Neuroscience, 2017, 11, 77.	1.2	21
36	Sparse EEG Source Localization Using LAPPS: Least Absolute l-P (0<p<1) Penalized Solution. IEEE Transactions on Biomedical Engineering, 2019, 66, 1927-1939.	2.5	21

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37	A Novel Method for Constructing EEG Large-Scale Cortical Dynamical Functional Network Connectivity (dFNC): WTCS. IEEE Transactions on Cybernetics, 2022, 52, 12869-12881.	6.2	20
38	Extracting time-frequency feature of single-channel vastus medialis EMG signals for knee exercise pattern recognition. PLoS ONE, 2017, 12, e0180526.	1.1	19
39	Robust Granger Analysis in Lp Norm Space for Directed EEG Network Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1959-1969.	2.7	18
40	A Long Short-Term Memory Network for Sparse Spatiotemporal EEG Source Imaging. IEEE Transactions on Medical Imaging, 2021, 40, 3787-3800.	5.4	18
41	Top-Down Disconnectivity in Schizophrenia During P300 Tasks. Frontiers in Computational Neuroscience, 2018, 12, 33.	1.2	17
42	The Construction of Large-Scale Cortical Networks for P300 From Scalp EEG. IEEE Access, 2018, 6, 68498-68506.	2.6	16
43	Impaired Frontoparietal Connectivity in Traumatic Individuals with Disorders of Consciousness: A Dynamic Brain Network Analysis. , 2020, 11, 301.		16
44	An Adaptive Motion-Onset VEP-Based Brain-Computer Interface. IEEE Transactions on Autonomous Mental Development, 2015, 7, 349-356.	2.3	13
45	Lp (pâ€‰â‰â€‰1) Norm Partial Directed Coherence for Directed Network Analysis of Scalp EEGs. Brain Topography, 2018, 31, 738-752.	0.8	13
46	A Fusion Feature for Enhancing the Performance of Classification in Working Memory Load With Single-Trial Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1985-1993.	2.7	12
47	Constructing large-scale cortical brain networks from scalp EEG with Bayesian nonnegative matrix factorization. Neural Networks, 2020, 125, 338-348.	3.3	12
48	Correlation Analysis of EEG Brain Network With Modulated Acoustic Stimulation for Chronic Tinnitus Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 156-162.	2.7	12
49	Rehabilitation of motor function in children with cerebral palsy based on motor imagery. Cognitive Neurodynamics, 2021, 15, 939-948.	2.3	12
50	Cortical Dynamic Causality Network for Auditory-Motor Tasks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 25, 1-1.	2.7	11
51	Bacomics: a comprehensive cross area originating in the studies of various brainâ€“apparatus conversations. Cognitive Neurodynamics, 2020, 14, 425-442.	2.3	11
52	Discrimination of Tourette Syndrome Based on the Spatial Patterns of the Restingâ€“State EEG Network. Brain Topography, 2021, 34, 78-87.	0.8	11
53	Reconfiguration of Brain Network Between Resting State and P300 Task. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 383-390.	2.6	11
54	Reference Electrode Standardization Interpolation Technique (RESIT): A Novel Interpolation Method for Scalp EEG. Brain Topography, 2021, 34, 403-414.	0.8	11

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55	WeBrain: A web-based brainformatics platform of computational ecosystem for EEG big data analysis. NeuroImage, 2021, 245, 118713.	2.1	11
56	Reconfiguration patterns of large-scale brain networks in motor imagery. Brain Structure and Function, 2019, 224, 553-566.	1.2	10
57	Periodic Visual Stimulation Induces Resting-State Brain Network Reconfiguration. Frontiers in Computational Neuroscience, 2018, 12, 21.	1.2	9
58	A Comparative Study of Different EEG Reference Choices for Event-Related Potentials Extracted by Independent Component Analysis. Frontiers in Neuroscience, 2019, 13, 1068.	1.4	9
59	Altered Functional Connectivity after Epileptic Seizure Revealed by Scalp EEG. Neural Plasticity, 2020, 2020, 1-8.	1.0	9
60	Directed EEG neural network analysis by LAPPS (p<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 Td (xmlns:mml="http://www.w3 Networks, 2020, 124, 213-222.	3.3	9
61	Altered Functional Connectivity in Children with ADHD Revealed by Scalp EEG: An ERP Study. Neural Plasticity, 2021, 2021, 1-9.	1.0	9
62	Fusing Canonical Coefficients for Frequency Recognition in SSVEP-Based BCI. IEEE Access, 2019, 7, 52467-52472.	2.6	8
63	Decision-Feedback Stages Revealed by Hidden Markov Modeling of EEG. International Journal of Neural Systems, 2021, 31, 2150031.	3.2	7
64	Recognition of general anesthesia-induced loss of consciousness based on the spatial pattern of the brain networks. Journal of Neural Engineering, 2021, 18, 056039.	1.8	7
65	The time-varying networks of the wrist extension in post-stroke hemiplegic patients. Cognitive Neurodynamics, 2022, 16, 757-766.	2.3	7
66	The relationships between dynamic resting-state networks and social behavior in autism spectrum disorder revealed by fuzzy entropyâ€“based temporal variability analysis of large-scale network. Cerebral Cortex, 2023, 33, 764-776.	1.6	7
67	Constructing Time-Varying Directed EEG Network by Multivariate Nonparametric Dynamical Granger Causality. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1412-1421.	2.7	7
68	Identification of the General Anesthesia Induced Loss of Consciousness by Cross Fuzzy Entropy-Based Brain Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2281-2291.	2.7	6
69	Altered temporal variability in brain functional connectivity identified by fuzzy entropy underlines schizophrenia deficits. Journal of Psychiatric Research, 2022, 148, 315-324.	1.5	6
70	Predicting the Symptom Severity in Autism Spectrum Disorder Based on EEG Metrics. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1898-1907.	2.7	6
71	Musical experience may help the brain respond to second language reading. Neuropsychologia, 2020, 148, 107655.	0.7	5
72	Constructing EEG Large-Scale Cortical Functional Network Connectivity Based on Brain Atlas by S Estimator. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 769-778.	2.6	5

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73	The Growing From Adolescence to Adulthood Influences the Decision Strategy to Unfair Situations. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 586-592.	2.6	5
74	The Decision Strategies of Adolescents with Different Emotional Stabilities in Unfair Situations. Neuroscience Bulletin, 2021, 37, 1481-1486.	1.5	5
75	Dynamic corticomuscular multi-regional modulations during finger movement revealed by time-varying network analysis. Journal of Neural Engineering, 2022, 19, 036014.	1.8	5
76	The Task-Dependent Modular Covariance Networks Unveiled by Multiple-Way Fusion-Based Analysis. International Journal of Neural Systems, 2022, 32, .	3.2	5
77	An Adaptive Calibration Framework for mVEP-Based Brain-Computer Interface. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-14.	0.7	4
78	Multimodal collaborative BCI system based on the improved CSP feature extraction algorithm. Virtual Reality & Intelligent Hardware, 2022, 4, 22-37.	1.8	4
79	L1-norm based time-varying brain neural network and its application to dynamic analysis for motor imagery. Journal of Neural Engineering, 2022, 19, 026019.	1.8	4
80	Lp norm spectral regression for feature extraction in outlier conditions. , 2015, , .		3
81	Robust Autoregression with Exogenous Input Model for System Identification and Predicting. Electronics (Switzerland), 2021, 10, 755.	1.8	3
82	Dynamic networks of P300-related process. Cognitive Neurodynamics, 0, , 1.	2.3	3
83	Recognition of the Multi-class Schizophrenia Based on the Resting-State EEG Network Topology. Brain Topography, 2022, 35, 495-506.	0.8	3
84	Listen to the song of the brain in real time: The Chengdu Brainwave Music. , 2011, , .		1
85	Combining canonical correlation analysis and infinite reference for frequency recognition of steady-state visual evoked potential recordings: A comparison with periodogram method. Bio-Medical Materials and Engineering, 2014, 24, 2901-2908.	0.4	1
86	Enhanced Z-LDA for Small Sample Size Training in Brain-Computer Interface Systems. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-7.	0.7	1
87	Improved Graph Embedding for Robust Recognition with outliers. Scientific Reports, 2018, 8, 4231.	1.6	1
88	EEG-Based Emotion Recognition Using Convolutional Neural Network with Functional Connections. Communications in Computer and Information Science, 2021, , 33-40.	0.4	1
89	Reconfiguration of Cortical Brain Network from Searching to Spotting for Dynamic Visual Targets. Journal of Neuroscience Methods, 2022, , 109577.	1.3	1