Lei Ding

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8271428/publications.pdf

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79	2,167	331670	243625
papers	citations	21	44
		h-index	g-index

82	82	82	2325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-phase locking value: A generalized method for determining instantaneous multi-frequency phase coupling. Biomedical Signal Processing and Control, 2022, 74, 103492.	5.7	0
2	Electrophysiological resting state brain network and episodic memory in healthy aging adults. NeuroImage, 2022, 253, 118926.	4.2	4
3	Age-related changes of whole-brain dynamics in spontaneous neuronal coactivations. Scientific Reports, 2022, 12, .	3.3	3
4	Brain-wide neural co-activations in resting human. NeuroImage, 2022, 260, 119461.	4.2	3
5	Neuroimaging Markers of Mal de DÃ©barquement Syndrome. Frontiers in Neurology, 2021, 12, 636224.	2.4	8
6	Brain-wide functional diffuse optical tomography of resting state networks. Journal of Neural Engineering, 2021, 18, 046069.	3.5	8
7	Correcting physiological noise in whole-head functional near-infrared spectroscopy. Journal of Neuroscience Methods, 2021, 360, 109262.	2.5	20
8	Brain network effects by continuous theta burst stimulation in mal de dÃ©barquement syndrome: simultaneous EEG and fMRI study. Journal of Neural Engineering, 2021, 18, 066025.	3.5	2
9	Brain-Wide Diffuse Optical Tomography Based on Cap-Based, Whole-Head fNIRS Recording. , 2021, 2021, 3609-3612.		1
10	Whole-brain electrophysiological functional connectivity dynamics in resting-state EEG. Journal of Neural Engineering, 2020, 17, 026016.	3.5	10
11	Channel-Wise Characterization of High Frequency Oscillations for Automated Identification of the Seizure Onset Zone. IEEE Access, 2020, 8, 45531-45543.	4.2	5
12	Electrophysiological Mapping and Source Imaging. , 2020, , 379-413.		5
13	Automated Detection of High Frequency Oscillations in Intracranial EEG Using the Combination of Short-Time Energy and Convolutional Neural Networks. IEEE Access, 2019, 7, 82501-82511.	4.2	31
14	Dynamic Activation Patterns of the Motor Brain Revealed by Diffuse Optical Tomography *. , 2019, 2019, 6028-6031.		3
15	Reconstructing Cortical Intrinsic Connectivity Networks Using a Regression Method Combining EEG Data from Sensor and Source Levels. , 2019, 2019, 1698-1701.		2
16	Multimodal Imaging of Repetitive Transcranial Magnetic Stimulation Effect on Brain Network: A Combined Electroencephalogram and Functional Magnetic Resonance Imaging Study. Brain Connectivity, 2019, 9, 311-321.	1.7	15
17	Superficial Fluctuations in Functional Near-Infrared Spectroscopy. , 2019, 2019, 4779-4782.		7
18	Source localization of high-frequency activity in tripolar electroencephalography of patients with epilepsy. Epilepsy and Behavior, 2019, 101, 106519.	1.7	17

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19	Resting-state Gamma-band EEG Abnormalities in Autism. , 2018, 2018, 1915-1918.		10
20	Cortical Statistical Correlation Tomography of EEG Resting State Networks. Frontiers in Neuroscience, 2018, 12, 365.	2.8	12
21	Electrophysiological Signatures of Intrinsic Functional Connectivity Related to rTMS Treatment for Mal de Debarquement Syndrome. Brain Topography, 2018, 31, 1047-1058.	1.8	15
22	Electrophysiological signatures of atypical intrinsic brain connectivity networks in autism. Journal of Neural Engineering, 2017, 14, 046010.	3.5	25
23	Resting State Functional Connectivity Signature of Treatment Effects of Repetitive Transcranial Magnetic Stimulation in Mal de Debarquement Syndrome. Brain Connectivity, 2017, 7, 617-626.	1.7	26
24	Characterization of infant mu rhythm immediately before crawling: A high-resolution EEG study. NeuroImage, 2017, 146, 47-57.	4.2	14
25	Universal design for learning in the framework of neuroscience-based education and Neuroimaging-based assessment. , 2017, , .		1
26	A comparison study of nonlinear and linear metrics in probing intrinsic brain networks from EEG data. , 2017, , .		0
27	Dynamic spatio-spectral patterns of rhythmic EEG in infants. , 2017, , .		0
28	ICA-Derived EEG Correlates to Mental Fatigue, Effort, and Workload in a Realistically Simulated Air Traffic Control Task. Frontiers in Neuroscience, 2017, 11, 297.	2.8	51
29	Improved Transient Response Estimations in Predicting 40 Hz Auditory Steady-State Response Using Deconvolution Methods. Frontiers in Neuroscience, 2017, 11, 697.	2.8	6
30	Noise Attenuation Estimation for Maximum Length Sequences in Deconvolution Process of Auditory Evoked Potentials. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-9.	1.3	2
31	New metric for optimizing Continuous Loop Averaging Deconvolution (CLAD) sequences under the 1/f noise model. PLoS ONE, 2017, 12, e0175354.	2.5	3
32	EEG-based single-trial detection of errors from multiple error-related brain activity. , 2016, 2016, 2764-2767.		1
33	Combining multiple features for error detection and its application in brainâ€“computer interface. BioMedical Engineering OnLine, 2016, 15, 17.	2.7	18
34	Reconstructing Large-Scale Brain Resting-State Networks from High-Resolution EEG: Spatial and Temporal Comparisons with fMRI. Brain Connectivity, 2016, 6, 122-135.	1.7	62
35	EEG resolutions in detecting and decoding finger movements from spectral analysis. Frontiers in Neuroscience, 2015, 9, 308.	2.8	15
36	Monitoring Mental States of the Human Brain in Action: From Cognitive Test to Real-World Simulations. Lecture Notes in Computer Science, 2015, , 178-186.	1.3	0

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37	Pre-stimulus alpha and post-stimulus N2 foreshadow imminent errors in a single task. Neuropsychologia, 2015, 77, 346-358.	1.6	5
38	Detection of EEG Spatialâ€“Spectralâ€“Temporal Signatures of Errors: A Comparative Study of ICA-Based and Channel-Based Methods. Brain Topography, 2015, 28, 47-61.	1.8	26
39	Neural Manifestations of Implicit Self-Esteem: An ERP Study. PLoS ONE, 2014, 9, e101837.	2.5	10
40	Application of Compressive Sensing to Refractivity Retrieval Using Networked Weather Radars. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2799-2809.	6.3	8
41	Classification of finger pairs from one hand based on spectral features in human EEG. , 2014, 2014, 1263-6.		1
42	Changes of symptom and EEG in mal de debarquement syndrome patients after repetitive transcranial magnetic stimulation over bilateral prefrontal cortex: A pilot study. , 2014, 2014, 4294-7.		10
43	Neural markers for immediate performance accuracy in a Stroop color-word matching task: An event-related potentials analysis. , 2014, 2014, 6222-5.		2
44	Reconstructing spatially extended brain sources via enforcing multiple transform sparseness. NeuroImage, 2014, 86, 280-293.	4.2	56
45	Lasting Modulation Effects of rTMS on Neural Activity and Connectivity as Revealed by Resting-State EEG. IEEE Transactions on Biomedical Engineering, 2014, 61, 2070-2080.	4.2	60
46	Decoding Individual Finger Movements from One Hand Using Human EEG Signals. PLoS ONE, 2014, 9, e85192.	2.5	121
47	Simultaneous EEG and MEG source reconstruction in sparse electromagnetic source imaging. Human Brain Mapping, 2013, 34, 775-795.	3.6	35
48	Investigation of independent components based EEG metrics for mental fatigue in simulated ATC task. , 2013, , .		4
49	Wavelet-based sparse source imaging in localizing epileptic sources for partial epilepsy. , 2013, , .		0
50	Wavelet based sparse source imaging technique. , 2013, 2013, 5418-21.		0
51	A new wavelet transform to sparsely represent cortical current densities for EEG/MEG inverse problems. Computer Methods and Programs in Biomedicine, 2013, 111, 376-388.	4.7	19
52	Sparse MEG Source Imaging For Reconstructing Dynamic Sources of Interictal Spikes in Partial Epilepsy. Journal of Clinical Neurophysiology, 2013, 30, 313-328.	1.7	6
53	Ongoing EEG oscillatory dynamics suggesting evolution of mental fatigue in a color-word matching stroop task. , 2013, , .		5
54	Frontal theta EEG dynamics in a real-world air traffic control task. , 2013, 2013, 5594-7.		9

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55	Evaluation of EEG Features in Decoding Individual Finger Movements from One Hand. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-10.	1.3	25
56	Computational Methods in Neuroengineering. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-2.	1.3	1
57	Electrophysiological Mapping and Neuroimaging. , 2013, , 499-543.		15
58	Discriminating multiple motor imageries of human hands using EEG. , 2012, 2012, 1773-6.		4
59	Sparse electromagnetic source imaging using EEG and MEG. , 2012, 2012, 6224-7.		0
60	Evaluations of sparse source imaging and minimum norm estimate methods in both simulation and clinical MEG data. , 2012, 2012, 6744-7.		1
61	Sparse imaging of cortical electrical current densities via wavelet transforms. Physics in Medicine and Biology, 2012, 57, 6881-6901.	3.0	17
62	Inverse source imaging methods in recovering distributed brain sources. Biomedical Engineering Letters, 2012, 2, 2-7.	4.1	2
63	Probing neural activations from continuous EEG in a real-world task: Time-frequency independent component analysis. Journal of Neuroscience Methods, 2012, 209, 22-34.	2.5	43
64	Sparse cortical current density imaging in motor potentials induced by finger movement. Journal of Neural Engineering, 2011, 8, 036008.	3.5	14
65	Investigation of EEG and MEG source imaging accuracy in reconstructing extended cortical sources. , 2011, 2011, 7013-6.		1
66	Variation-based Sparse Cortical Current Density imaging in estimating cortical sources with MEG data. , 2010, 2010, 5145-8.		2
67	EEG Pattern Analysis for Physiological Indicators of Mental Fatigue in Simulated Air Traffic Control Tasks. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 205-209.	0.3	11
68	Reconstructing cortical current density by exploring sparseness in the transform domain. Physics in Medicine and Biology, 2009, 54, 2683-2697.	3.0	80
69	Three-Dimensional Imaging of Complex Neural Activation in Humans From EEG. IEEE Transactions on Biomedical Engineering, 2009, 56, 1980-1988.	4.2	5
70	Sparse source imaging in electroencephalography with accurate field modeling. Human Brain Mapping, 2008, 29, 1053-1067.	3.6	112
71	Estimation of Time-Varying Connectivity Patterns Through the Use of an Adaptive Directed Transfer Function. IEEE Transactions on Biomedical Engineering, 2008, 55, 2557-2564.	4.2	130
72	EEG Source Imaging: Correlating Source Locations and Extents With Electrocorticography and Surgical Resections in Epilepsy Patients. Journal of Clinical Neurophysiology, 2007, 24, 130-136.	1.7	39

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73	Ictal source analysis: Localization and imaging of causal interactions in humans. NeuroImage, 2007, 34, 575-586.	4.2	171
74	Comparison of different cortical connectivity estimators for high-resolution EEG recordings. Human Brain Mapping, 2007, 28, 143-157.	3.6	317
75	Spatio-temporal EEG source localization using a three-dimensional subspace FINE approach in a realistic geometry inhomogeneous head model. IEEE Transactions on Biomedical Engineering, 2006, 53, 1732-1739.	4.2	29
76	3D source localization of interictal spikes in epilepsy patients with MRI lesions. Physics in Medicine and Biology, 2006, 51, 4047-4062.	3.0	20
77	Multiple Dipole Sources Localization from the Scalp EEG Using a High-resolution Subspace Approach. , 2005, 2005, 1075-8.		0
78	Low resolution brain electromagnetic tomography in a realistic geometry head model: a simulation study. Physics in Medicine and Biology, 2005, 50, 45-56.	3.0	155
79	Motor imagery classification by means of source analysis for brainâ€“computer interface applications. Journal of Neural Engineering, 2004, 1, 135-141.	3.5	189