

Lei Ding

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,167
citations

331259

21
h-index

243296

44
g-index

82
all docs

82
docs citations

82
times ranked

2325
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. | 3.5 | 0 |
| 2 | Electrophysiological resting state brain network and episodic memory in healthy aging adults. NeuroImage, 2022, 253, 118926. | 2.1 | 4 |
| 3 | Age-related changes of whole-brain dynamics in spontaneous neuronal coactivations. Scientific Reports, 2022, 12, . | 1.6 | 3 |
| 4 | Brain-wide neural co-activations in resting human. NeuroImage, 2022, 260, 119461. | 2.1 | 3 |
| 5 | Neuroimaging Markers of Mal de Débarquement Syndrome. Frontiers in Neurology, 2021, 12, 636224. | 1.1 | 8 |
| 6 | Brain-wide functional diffuse optical tomography of resting state networks. Journal of Neural Engineering, 2021, 18, 046069. | 1.8 | 8 |
| 7 | Correcting physiological noise in whole-head functional near-infrared spectroscopy. Journal of Neuroscience Methods, 2021, 360, 109262. | 1.3 | 20 |
| 8 | Brain network effects by continuous theta burst stimulation in mal de débarquement syndrome: simultaneous EEG and fMRI study. Journal of Neural Engineering, 2021, 18, 066025. | 1.8 | 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. | 1.8 | 10 |
| 11 | Channel-Wise Characterization of High Frequency Oscillations for Automated Identification of the Seizure Onset Zone. IEEE Access, 2020, 8, 45531-45543. | 2.6 | 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. | 2.6 | 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. | 0.8 | 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. | 0.9 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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. | 1.4 | 12 |
| 21 | Electrophysiological Signatures of Intrinsic Functional Connectivity Related to rTMS Treatment for Mal de Debarquement Syndrome. Brain Topography, 2018, 31, 1047-1058. | 0.8 | 15 |
| 22 | Electrophysiological signatures of atypical intrinsic brain connectivity networks in autism. Journal of Neural Engineering, 2017, 14, 046010. | 1.8 | 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. | 0.8 | 26 |
| 24 | Characterization of infant mu rhythm immediately before crawling: A high-resolution EEG study. NeuroImage, 2017, 146, 47-57. | 2.1 | 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. | 1.4 | 51 |
| 29 | Improved Transient Response Estimations in Predicting 40 Hz Auditory Steady-State Response Using Deconvolution Methods. Frontiers in Neuroscience, 2017, 11, 697. | 1.4 | 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. | 0.7 | 2 |
| 31 | New metric for optimizing Continuous Loop Averaging Deconvolution (CLAD) sequences under the 1/f noise model. PLoS ONE, 2017, 12, e0175354. | 1.1 | 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 brain-computer interface. BioMedical Engineering OnLine, 2016, 15, 17. | 1.3 | 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. | 0.8 | 62 |
| 35 | EEG resolutions in detecting and decoding finger movements from spectral analysis. Frontiers in Neuroscience, 2015, 9, 308. | 1.4 | 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. | 1.0 | 0 |

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|----|---|-----|-----------|
| 37 | Pre-stimulus alpha and post-stimulus N2 foreshadow imminent errors in a single task. <i>Neuropsychologia</i> , 2015, 77, 346-358. | 0.7 | 5 |
| 38 | Detection of EEG Spatialâ€“Spectralâ€“Temporal Signatures of Errors: A Comparative Study of ICA-Based and Channel-Based Methods. <i>Brain Topography</i> , 2015, 28, 47-61. | 0.8 | 26 |
| 39 | Neural Manifestations of Implicit Self-Esteem: An ERP Study. <i>PLoS ONE</i> , 2014, 9, e101837. | 1.1 | 10 |
| 40 | Application of Compressive Sensing to Refractivity Retrieval Using Networked Weather Radars. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 2799-2809. | 2.7 | 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 débarquement 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. <i>NeuroImage</i> , 2014, 86, 280-293. | 2.1 | 56 |
| 45 | Lasting Modulation Effects of rTMS on Neural Activity and Connectivity as Revealed by Resting-State EEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2070-2080. | 2.5 | 60 |
| 46 | Decoding Individual Finger Movements from One Hand Using Human EEG Signals. <i>PLoS ONE</i> , 2014, 9, e85192. | 1.1 | 121 |
| 47 | Simultaneous EEG and MEG source reconstruction in sparse electromagnetic source imaging. <i>Human Brain Mapping</i> , 2013, 34, 775-795. | 1.9 | 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. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 376-388. | 2.6 | 19 |
| 52 | Sparse MEG Source Imaging For Reconstructing Dynamic Sources of Interictal Spikes in Partial Epilepsy. <i>Journal of Clinical Neurophysiology</i> , 2013, 30, 313-328. | 0.9 | 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. | 0.7 | 25 |
| 56 | Computational Methods in Neuroengineering. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-2. | 0.7 | 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. | 1.6 | 17 |
| 62 | Inverse source imaging methods in recovering distributed brain sources. Biomedical Engineering Letters, 2012, 2, 2-7. | 2.1 | 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. | 1.3 | 43 |
| 64 | Sparse cortical current density imaging in motor potentials induced by finger movement. Journal of Neural Engineering, 2011, 8, 036008. | 1.8 | 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. | 0.2 | 11 |
| 68 | Reconstructing cortical current density by exploring sparseness in the transform domain. Physics in Medicine and Biology, 2009, 54, 2683-2697. | 1.6 | 80 |
| 69 | Three-Dimensional Imaging of Complex Neural Activation in Humans From EEG. IEEE Transactions on Biomedical Engineering, 2009, 56, 1980-1988. | 2.5 | 5 |
| 70 | Sparse source imaging in electroencephalography with accurate field modeling. Human Brain Mapping, 2008, 29, 1053-1067. | 1.9 | 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. | 2.5 | 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. | 0.9 | 39 |

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|----|--|-----|-----------|
| 73 | Ictal source analysis: Localization and imaging of causal interactions in humans. <i>NeuroImage</i> , 2007, 34, 575-586. | 2.1 | 171 |
| 74 | Comparison of different cortical connectivity estimators for high-resolution EEG recordings. <i>Human Brain Mapping</i> , 2007, 28, 143-157. | 1.9 | 317 |
| 75 | Spatio-temporal EEG source localization using a three-dimensional subspace FINE approach in a realistic geometry inhomogeneous head model. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1732-1739. | 2.5 | 29 |
| 76 | 3D source localization of interictal spikes in epilepsy patients with MRI lesions. <i>Physics in Medicine and Biology</i> , 2006, 51, 4047-4062. | 1.6 | 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. <i>Physics in Medicine and Biology</i> , 2005, 50, 45-56. | 1.6 | 155 |
| 79 | Motor imagery classification by means of source analysis for brain-computer interface applications. <i>Journal of Neural Engineering</i> , 2004, 1, 135-141. | 1.8 | 189 |