Maureen Clerc

List of Publications by Year
in descending order

58 papers	2,440 citations	430754 18 h-index	302012 39 g-index
68 all docs	68 docs citations	68 times ranked	2671 citing authors

#	Article	IF	Citations
1	A comprehensive study on electroencephalography and magnetoencephalography sensitivity to cortical and subcortical sources. Human Brain Mapping, 2021, 42, 978-992.	1.9	61
2	Long Multi-Stage Training for a Motor-Impaired User in a BCI Competition. Frontiers in Human Neuroscience, 2021, 15, 647908.	1.0	8
3	Fast Approximation of EEG Forward Problem and Application to Tissue Conductivity Estimation. IEEE Transactions on Medical Imaging, 2020, 39, 888-897.	5.4	5
4	Augmenting Motor Imagery Learning for Brain–Computer Interfacing Using Electrical Stimulation as Feedback. IEEE Transactions on Medical Robotics and Bionics, 2019, 1, 247-255.	2.1	13
5	Brain computer interface with the P300 speller: Usability for disabled people with amyotrophic lateral sclerosis. Annals of Physical and Rehabilitation Medicine, 2018, 61, 5-11.	1.1	99
6	Can a Subjective Questionnaire Be Used as Brain-Computer Interface Performance Predictor?. Frontiers in Human Neuroscience, 2018, 12, 529.	1.0	40
7	Adaptive Waveform Learning: A Framework for Modeling Variability in Neurophysiological Signals. IEEE Transactions on Signal Processing, 2017, 65, 4324-4338.	3.2	11
8	Unimodal Versus Bimodal EEG-fMRI Neurofeedback of a Motor Imagery Task. Frontiers in Human Neuroscience, 2017, 11, 193.	1.0	51
9	A study on the effect of electrical stimulation as a user stimuli for motor imagery classification in Brain-Machine Interface. European Journal of Translational Myology, 2016, 26, 6041.	0.8	8
10	Cortical surface parcellation via dMRI using mutual nearest neighbor condition. , 2016, , .		5
11	A study on the effect of Electrical Stimulation during motor imagery learning in Brain-computer interfacing. , 2016, , .		4
12	Functional Neuroimaging. , 2016, , 25-43.		0
13	A Separability Marker based on high-dimensional statistics for classification confidence assessment. , 2016, , .		0
14	Source modeling of ElectroCorticoGraphy (ECoG) data: Stability analysis and spatial filtering. Journal of Neuroscience Methods, 2016, 263, 134-144.	1.3	12
15	MEM-diffusion MRI framework to solve MEEG inverse problem. , 2015, , .		2
16	Decoding covert shifts of attention induced by ambiguous visuospatial cues. Frontiers in Human Neuroscience, 2015, 09, 358.	1.0	15
17	In situ validation of a parametric model of electrical field distribution in an implanted cochlea. , 2015, , .		4
18	Automatic motor task selection via a bandit algorithm for a brain-controlled button. Journal of Neural Engineering, 2013, 10, 016012.	1.8	9

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19	Review of "Brain–Computer Interfaces, principles and practise", edited by Jonathan R. Wolpaw and Elizabeth Winter Wolpaw. BioMedical Engineering OnLine, 2013, 12, 22.	1.3	3
20	Adaptive and warning displays with Brain-Computer Interfaces: Enhanced visuospatial attention performance. , 2013, , .		1
21	An analysis of performance evaluation for motor-imagery based BCI. Journal of Neural Engineering, 2013, 10, 031001.	1.8	89
22	Combining ERD and ERS features to create a system-paced BCI. Journal of Neuroscience Methods, 2013, 216, 96-103.	1.3	20
23	Single-Trial Analysis of Bioelectromagnetic Signals: The Quest for Hidden Information. , 2013, , 237-259.		0
24	Cortex parcellation via diffusion data as prior knowledge for the MEG inverse problem. , 2013, , .		0
25	Investigating brief motor imagery for an ERD/ERS based BCI. , 2012, 2012, 2929-32.		8
26	A nested cortex parcellation combining analysis of MEG forward problem and diffusion MRI tractography. , 2012, , .		5
27	EEG and MEG: forward modeling. , 2012, , 192-256.		37
28	Modeling of the Neurovascular Coupling in Epileptic Discharges. Brain Topography, 2012, 25, 136-156.	0.8	23
29	Tracking cortical activity from M/EEG using graph cuts with spatiotemporal constraints. NeuroImage, 2011, 54, 1930-1941.	2.1	4
30	Phase delays within visual cortex shape the response to steady-state visual stimulation. NeuroImage, 2011, 54, 1919-1929.	2.1	30
31	Forward Field Computation with OpenMEEG. Computational Intelligence and Neuroscience, 2011, 2011, 1-13.	1.1	93
32	Relationship Between Flow and Metabolism in BOLD Signals: Insights from Biophysical Models. Brain Topography, 2011, 24, 40-53.	0.8	11
33	Handling white-matter anisotropy in BEM for the EEG forward problem. , 2011, , .		5
34	Graph-Based Variability Estimation in Single-Trial Event-Related Neural Responses. IEEE Transactions on Biomedical Engineering, 2010, 57, 1051-1061.	2.5	17
35	Reconstruction of cortical sources activities for online classification of electroencephalographic signals.. , 2010, 2010, 6317-20.		1
36	OpenMEEG: opensource software for quasistatic bioelectromagnetics. BioMedical Engineering OnLine, 2010, 9, 45.	1.3	883

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37	The Adjoint Method for General EEG and MEG Sensor-Based Lead Field Equations. IFMBE Proceedings, 2010, , 105-108.	0.2	1
38	Domain Decomposition for Coupling Finite and Boundary Element Methods in EEG. IFMBE Proceedings, 2010, , 120-123.	0.2	1
39	A toolchain to simulate and investigate selective stimulation strategies for FES. , 2009, 2009, 4966-9.		4
40	The adjoint method for general EEG and MEG sensor-based lead field equations. Physics in Medicine and Biology, 2009, 54, 135-147.	1.6	29
41	A Global Sensitivity Analysis of Three- and Four-Layer EEG Conductivity Models. IEEE Transactions on Biomedical Engineering, 2009, 56, 988-995.	2.5	43
42	Consensus Matching Pursuit for multi-trial EEG signals. Journal of Neuroscience Methods, 2009, 180, 161-170.	1.3	34
43	Low Dimensional Representations of MEG/EEG Data Using Laplacian Eigenmaps. , 2007, , .		10
44	Topography-Time-Frequency Atomic Decomposition for Event-Related M/EEG Signals. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5461-4.	0.5	3
45	Computation of the electrical potential inside the nerve induced by an electrical stimulus. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1711-4.	0.5	8
46	Challenging the estimation of cortical activity from MEG with simulated fMRI-constrained retinotopic maps. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4945-8.	0.5	2
47	Cortical mapping by Laplaceâ€"Cauchy transmission using a boundary element method. Inverse Problems, 2007, 23, 2589-2601.	1.0	18
48	IN VIVO CONDUCTIVITY ESTIMATION USING SOMATOSENSORY EVOKED POTENTIALS AND CORTICAL CONSTRAINT ON THE SOURCE. , 2007, , .		5
49	Conductivity Estimation for EEG: What is Relevant?. , 2007, , .		1
50	Adaptive Time-Frequency Models for Single-Trial M/EEG Analysis. Lecture Notes in Computer Science, 2007, 20, 458-469.	1.0	8
51	Neural mass model parameter identification for MEG/EEG. , 2007, , .		0
52	Generalized head models for MEG/EEG: boundary element method beyond nested volumes. Physics in Medicine and Biology, 2006, 51, 1333-1346.	1.6	63
53	Fast multipole acceleration of the MEG/EEG boundary element method. Physics in Medicine and Biology, 2005, 50, 4695-4710.	1.6	46
54	A common formalism for the Integral formulations of the forward EEG problem. IEEE Transactions on Medical Imaging, 2005, 24, 12-28.	5.4	355

#	ARTICLE	IF	CITATIONS
55	Variational, geometric, and statistical methods for modeling brain anatomy and function. NeuroImage, 2004, 23, S46-S55.	2.1	19
56	Symmetric BEM Formulation for the M/EEG Forward Problem. Lecture Notes in Computer Science, 2003, 18, 524-535.	1.0	20
57	Estimating deformations of stationary processes. Annals of Statistics, 2003, 31, .	1.4	30
58	The texture gradient equation for recovering shape from texture. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 536-549.	9.7	80