

Johannes Vorwerk

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,544
citations

331259

21
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

2521
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive study on electroencephalography and magnetoencephalography sensitivity to cortical and subcortical sources. <i>Human Brain Mapping</i> , 2021, 42, 978-992.	1.9	61
2	Characterization of the Somatosensory System. <i>Neuromethods</i> , 2021, , 153-169.	0.2	0
3	DUNEuro – A software toolbox for forward modeling in bioelectromagnetism. <i>PLoS ONE</i> , 2021, 16, e0252431.	1.1	25
4	Interactive computation and visualization of deep brain stimulation effects using Duality. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2020, 8, 3-14.	1.3	3
5	Evaluation of methodologies for computing the deep brain stimulation volume of tissue activated. <i>Journal of Neural Engineering</i> , 2019, 16, 066024.	1.8	61
6	A retrospective evaluation of automated optimization of deep brain stimulation parameters. <i>Journal of Neural Engineering</i> , 2019, 16, 064002.	1.8	20
7	The multipole approach for EEG forward modeling using the finite element method. <i>NeuroImage</i> , 2019, 201, 116039.	2.1	9
8	Interleaved deep brain stimulation for dyskinesia management in Parkinson's disease. <i>Movement Disorders</i> , 2019, 34, 1722-1727.	2.2	18
9	Influence of Head Tissue Conductivity Uncertainties on EEG Dipole Reconstruction. <i>Frontiers in Neuroscience</i> , 2019, 13, 531.	1.4	64
10	Lead-DBS v2: Towards a comprehensive pipeline for deep brain stimulation imaging. <i>NeuroImage</i> , 2019, 184, 293-316.	2.1	527
11	Anodic stimulation misunderstood: preferential activation of fiber orientations with anodic waveforms in deep brain stimulation. <i>Journal of Neural Engineering</i> , 2019, 16, 016026.	1.8	81
12	Optimized programming algorithm for cylindrical and directional deep brain stimulation electrodes. <i>Journal of Neural Engineering</i> , 2018, 15, 026005.	1.8	104
13	The Discontinuous Galerkin Finite Element Method for Solving the MEG and the Combined MEG/EEG Forward Problem. <i>Frontiers in Neuroscience</i> , 2018, 12, 30.	1.4	36
14	The FieldTrip-SimBio pipeline for EEG forward solutions. <i>BioMedical Engineering OnLine</i> , 2018, 17, 37.	1.3	103
15	A Discontinuous Galerkin Method to Solve the EEG Forward Problem Using the Subtraction Approach. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, B138-B164.	1.3	48
16	Connectivity Predicts deep brain stimulation outcome in Parkinson disease. <i>Annals of Neurology</i> , 2017, 82, 67-78.	2.8	514
17	A Mixed Finite Element Method to Solve the EEG Forward Problem. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 930-941.	5.4	30
18	Electroencephalography (EEG) forward modeling via $H(\text{div})$ finite element sources with focal interpolation. <i>Physics in Medicine and Biology</i> , 2016, 61, 8502-8520.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Using reciprocity for relating the simulation of transcranial current stimulation to the EEG forward problem. <i>NeuroImage</i> , 2016, 140, 163-173.	2.1	42
20	Electrical Stimulation of the Human Cerebral Cortex by Extracranial Muscle Activity: Effect Quantification With Intracranial EEG and FEM Simulations. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2552-2563.	2.5	10
21	The role of blood vessels in high-resolution volume conductor head modeling of EEG. <i>NeuroImage</i> , 2016, 128, 193-208.	2.1	48
22	Influence of the head model on EEG and MEG source connectivity analyses. <i>NeuroImage</i> , 2015, 110, 60-77.	2.1	98
23	Comparison Study for Whitney (Raviart-Thomas)-Type Source Models in Finite-Element-Method-Based EEG Forward Modeling. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2648-2656.	2.5	24
24	Combined EEG/MEG Can Outperform Single Modality EEG or MEG Source Reconstruction in Presurgical Epilepsy Diagnosis. <i>PLoS ONE</i> , 2015, 10, e0118753.	1.1	79
25	Combining EEG and MEG for the Reconstruction of Epileptic Activity Using a Calibrated Realistic Volume Conductor Model. <i>PLoS ONE</i> , 2014, 9, e93154.	1.1	81
26	A guideline for head volume conductor modeling in EEG and MEG. <i>NeuroImage</i> , 2014, 100, 590-607.	2.1	236
27	Investigation of tDCS volume conduction effects in a highly realistic head model. <i>Journal of Neural Engineering</i> , 2014, 11, 016002.	1.8	154
28	The time course of feature integration in plaid patterns revealed by meta- and paracontrast masking. <i>Journal of Vision</i> , 2012, 12, 13-13.	0.1	3
29	Comparison of Boundary Element and Finite Element Approaches to the EEG Forward Problem. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	37
30	Validation and Application of Realistic Head Modelling to MEG. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	1