

Matti Stenroos

List of Publications by Year in descending order

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36
papers

1,278
citations

489802

18
h-index

488211

31
g-index

44
all docs

44
docs citations

44
times ranked

1277
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-locus transcranial magnetic stimulation system for electronically targeted brain stimulation. <i>Brain Stimulation</i> , 2022, 15, 116-124.	0.7	38
2	Looking through the windows: a study about the dependency of phase-coupling estimates on the data length. <i>Journal of Neural Engineering</i> , 2022, 19, 016039.	1.8	6
3	Looking through the windows: a study about the dependency of phase-coupling estimates on the data length. <i>Journal of Neural Engineering</i> , 2022, , .	1.8	2
4	Closed-loop optimization of transcranial magnetic stimulation with electroencephalography feedback. <i>Brain Stimulation</i> , 2022, 15, 523-531.	0.7	40
5	Prefrontal theta phase-dependent rTMS-induced plasticity of cortical and behavioral responses in human cortex. <i>Brain Stimulation</i> , 2022, 15, 391-402.	0.7	13
6	Towards an objective evaluation of EEG/MEG source estimation methods – The linear approach. <i>NeuroImage</i> , 2022, 255, 119177.	2.1	32
7	Prefrontal Theta-Phase Synchronized Brain Stimulation With Real-Time EEG-Triggered TMS. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 691821.	1.0	16
8	Spatial sampling of MEG and EEG based on generalized spatial-frequency analysis and optimal design. <i>NeuroImage</i> , 2021, 245, 118747.	2.1	21
9	Individual head models for estimating the TMS-induced electric field in rat brain. <i>Scientific Reports</i> , 2020, 10, 17397.	1.6	11
10	Comparison of beamformer implementations for MEG source localization. <i>NeuroImage</i> , 2020, 216, 116797.	2.1	48
11	Concurrent electrophysiological and hemodynamic measurements of evoked neural oscillations in human visual cortex using sparsely interleaved fast fMRI and EEG. <i>NeuroImage</i> , 2020, 217, 116910.	2.1	2
12	Real-time computation of the TMS-induced electric field in a realistic head model. <i>NeuroImage</i> , 2019, 203, 116159.	2.1	35
13	Short-interval intracortical inhibition in human primary motor cortex: A multi-locus transcranial magnetic stimulation study. <i>NeuroImage</i> , 2019, 203, 116194.	2.1	28
14	EEG/MEG Source Estimation and Spatial Filtering: The Linear Toolkit. , 2019, , 1-37.		1
15	The impact of improved MEG-MRI co-registration on MEG connectivity analysis. <i>NeuroImage</i> , 2019, 197, 354-367.	2.1	40
16	Influence of Co-Registration Errors on the Performance of Anatomical Constraints in MEG Source Connectivity Analysis*. , 2019, , .		0
17	EEG/MEG Source Estimation and Spatial Filtering: The Linear Toolkit. , 2019, , 167-203.		8
18	Truncated RAP-MUSIC (TRAP-MUSIC) for MEG and EEG source localization. <i>NeuroImage</i> , 2018, 167, 73-83.	2.1	30

#	ARTICLE	IF	CITATIONS
19	Individual Activation Patterns After the Stimulation of Different Motor Areas: A Transcranial Magnetic Stimulation–Electroencephalography Study. <i>Brain Connectivity</i> , 2018, 8, 420-428.	0.8	18
20	Requirements for Coregistration Accuracy in On-Scalp MEG. <i>Brain Topography</i> , 2018, 31, 931-948.	0.8	40
21	Coil optimisation for transcranial magnetic stimulation in realistic head geometry. <i>Brain Stimulation</i> , 2017, 10, 795-805.	0.7	59
22	Measuring MEG closer to the brain: Performance of on-scalp sensor arrays. <i>NeuroImage</i> , 2017, 147, 542-553.	2.1	202
23	Recovering TMS-evoked EEG responses masked by muscle artifacts. <i>NeuroImage</i> , 2016, 139, 157-166.	2.1	68
24	Integral equations and boundary-element solution for static potential in a general piece-wise homogeneous volume conductor. <i>Physics in Medicine and Biology</i> , 2016, 61, N606-N617.	1.6	15
25	The magnetic field inside a layered anisotropic spherical conductor due to internal sources. <i>Journal of Applied Physics</i> , 2016, 119, 023901.	1.1	1
26	Incorporating and Compensating Cerebrospinal Fluid in Surface-Based Forward Models of Magneto- and Electroencephalography. <i>PLoS ONE</i> , 2016, 11, e0159595.	1.1	51
27	Assessment of Myocardial Infarct Size with Body Surface Potential Mapping: Validation against Contrast-Enhanced Cardiac Magnetic Resonance Imaging. <i>Annals of Noninvasive Electrocardiology</i> , 2015, 20, 240-252.	0.5	2
28	Dealing with artifacts in TMS-evoked EEG. , 2015, 2015, 230-3.		28
29	A framework for the design of flexible cross-talk functions for spatial filtering of EEG/MEG data: DeFleCT. <i>Human Brain Mapping</i> , 2014, 35, 1642-1653.	1.9	51
30	Comparison of minimum-norm estimation and beamforming in electrocardiography with acute ischemia. <i>Physiological Measurement</i> , 2014, 35, 623-638.	1.2	4
31	Investigations of sensitivity and resolution of ECG and MCG in a realistically shaped thorax model. <i>Physics in Medicine and Biology</i> , 2014, 59, 7141-7158.	1.6	16
32	Comparison of three-shell and simplified volume conductor models in magnetoencephalography. <i>NeuroImage</i> , 2014, 94, 337-348.	2.1	93
33	Comparison of spherical and realistically shaped boundary element head models for transcranial magnetic stimulation navigation. <i>Clinical Neurophysiology</i> , 2013, 124, 1995-2007.	0.7	86
34	Minimum-norm cortical source estimation in layered head models is robust against skull conductivity error. <i>NeuroImage</i> , 2013, 81, 265-272.	2.1	48
35	Uncovering neural independent components from highly artifactual TMS-evoked EEG data. <i>Journal of Neuroscience Methods</i> , 2012, 209, 144-157.	1.3	49
36	Boundary Element Computations in the Forward and Inverse Problems of Electrocardiography: Comparison of Collocation and Galerkin Weightings. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2124-2133.	2.5	44