Tim M Tierney

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12105913/publications.pdf

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27	2,112	377584	563245
papers	citations	21 h-index	28 g-index

39	39	39	1951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Field Mapping and Correction for Moving OP-MEG. IEEE Transactions on Biomedical Engineering, 2022, 69, 528-536.	2.5	26
2	Interference suppression techniques for OPM-based MEG: Opportunities and challenges. NeuroImage, 2022, 247, 118834.	2.1	35
3	Spherical harmonic based noise rejection and neuronal sampling with multi-axis OPMs. NeuroImage, 2022, 258, 119338.	2.1	20
4	Mouth magnetoencephalography: A unique perspective on the human hippocampus. NeuroImage, 2021, 225, 117443.	2.1	56
5	Testing covariance models for MEG source reconstruction of hippocampal activity. Scientific Reports, 2021, 11, 17615.	1.6	8
6	Using OPMs to measure neural activity in standing, mobile participants. NeuroImage, 2021, 244, 118604.	2.1	48
7	Modelling optically pumped magnetometer interference in MEG as a spatially homogeneous magnetic field. NeuroImage, 2021, 244, 118484.	2.1	36
8	Pragmatic spatial sampling for wearable MEG arrays. Scientific Reports, 2020, 10, 21609.	1.6	23
9	Optically pumped magnetoencephalography in epilepsy. Annals of Clinical and Translational Neurology, 2020, 7, 397-401.	1.7	43
10	Wearable neuroimaging: Combining and contrasting magnetoencephalography and electroencephalography. NeuroImage, 2019, 201, 116099.	2.1	82
11	Dataâ€driven model optimization for optically pumped magnetometer sensor arrays. Human Brain Mapping, 2019, 40, 4357-4369.	1.9	16
12	Using optically pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum. Journal of Physiology, 2019, 597, 4309-4324.	1.3	31
13	Balanced, bi-planar magnetic field and field gradient coils for field compensation in wearable magnetoencephalography. Scientific Reports, 2019, 9, 14196.	1.6	72
14	A tool for functional brain imaging with lifespan compliance. Nature Communications, 2019, 10, 4785.	5.8	96
15	Imaging the human hippocampus with optically-pumped magnetoencephalography. NeuroImage, 2019, 203, 116192.	2.1	52
16	Optically pumped magnetometers: From quantum origins to multi-channel magnetoencephalography. NeuroImage, 2019, 199, 598-608.	2.1	186
17	Updating Dynamic Noise Models With Moving Magnetoencephalographic (MEG) Systems. IEEE Access, 2019, 7, 10093-10102.	2.6	5
18	Flexible proton density (PD) mapping using multi-contrast variable flip angle (VFA) data. NeuroImage, 2019, 186, 464-475.	2.1	12

#	Article	IF	Citations
19	Moving magnetoencephalography towards real-world applications with a wearable system. Nature, 2018, 555, 657-661.	13.7	795
20	Thalamic volume reduction in drugâ€naive patients with newâ€onset genetic generalized epilepsy. Epilepsia, 2018, 59, 226-234.	2.6	38
21	Cognitive neuroscience using wearable magnetometer arrays: Non-invasive assessment of language function. NeuroImage, 2018, 181, 513-520.	2.1	56
22	A bi-planar coil system for nulling background magnetic fields in scalp mounted magnetoencephalography. NeuroImage, 2018, 181, 760-774.	2.1	143
23	Combined electroencephalographyâ€“functional magnetic resonance imaging and electrical source imaging improves localization of pediatric focal epilepsy. Annals of Neurology, 2017, 82, 278-287.	2.8	45
24	Interictal activity is an important contributor to abnormal intrinsic network connectivity in paediatric focal epilepsy. Human Brain Mapping, 2017, 38, 221-236.	1.9	33
25	Phaseâ€“amplitude coupling and the BOLD signal: A simultaneous intracranial EEG (icEEG) - fMRI study in humans performing a finger-tapping task. NeuroImage, 2017, 146, 438-451.	2.1	40
26	FIACH: A biophysical model for automatic retrospective noise control in fMRI. NeuroImage, 2016, 124, 1009-1020.	2.1	53
27	Optimising EEG-fMRI for Localisation of Focal Epilepsy in Children. PLoS ONE, 2016, 11, e0149048.	1.1	32