Yoshio Okada

List of Publications by Year
in descending order

25 papers	1,006 citations	623734 14 h-index	713466 21 g-index
26 all docs	26 docs citations	26 times ranked	1278 citing authors

#	Article	IF	Citations
1	Contributions of principal neocortical neurons to magnetoencephalography and electroencephalography signals. Journal of Physiology, 2006, 575, 925-936.	2.9	315
2	Cortical Somatosensory Reorganization in Children with Spastic Cerebral Palsy: A Multimodal Neuroimaging Study. Frontiers in Human Neuroscience, 2014, 8, 725.	2.0	90
3	Effects of sutures and fontanels on MEG and EEG source analysis in a realistic infant head model. NeuroImage, 2013, 76, 282-293.	4.2	88
4	Maturation of somatosensory cortical processing from birth to adulthood revealed by magnetoencephalography. Clinical Neurophysiology, 2009, 120, 1552-1561.	1.5	74
5	BabyMEG: A whole-head pediatric magnetoencephalography system for human brain development research. Review of Scientific Instruments, 2016, 87, 094301.	1.3	66
6	Comparison of MEG and EEG on the basis of somatic evoked responses elicited by stimulation of the snout in the juvenile swine. Clinical Neurophysiology, 1999, 110, 214-229.	1.5	64
7	Evaluation of the distortion of EEG signals caused by a hole in the skull mimicking the fontanel in the skull of human neonates. Clinical Neurophysiology, 2005, 116, 1141-1152.	1.5	56
8	Targeting of White Matter Tracts with Transcranial Magnetic Stimulation. Brain Stimulation, 2014, 7, 80-84.	1.6	56
9	Invariance in current dipole moment density across brain structures and species: Physiological constraint for neuroimaging. NeuroImage, 2015, 111, 49-58.	4.2	48
10	Direct neural current imaging in an intact cerebellum with magnetic resonance imaging. NeuroImage, 2016, 132, 477-490.	4.2	27
11	Localization of the Epileptogenic Foci in Tuberous Sclerosis Complex: A Pediatric Case Report. Frontiers in Human Neuroscience, 2014, 8, 175.	2.0	26
12	Evoked magnetic fields from primary and secondary somatosensory cortices: A reliable tool for assessment of cortical processing in the neonatal period. Clinical Neurophysiology, 2012, 123, 2377-2383.	1.5	22
13	Boundary Element Fast Multipole Method for Enhanced Modeling of Neurophysiological Recordings. IEEE Transactions on Biomedical Engineering, 2021, 68, 308-318.	4.2	21
14	MNE Scan: Software for real-time processing of electrophysiological data. Journal of Neuroscience Methods, 2018, 303, 55-67.	2.5	17
15	Focused ultrasound transiently increases membrane conductance in isolated crayfish axon. Journal of Neurophysiology, 2019, 121, 480-489.	1.8	12
16	Noise cancellation for a whole-head magnetometer-based MEG system in hospital environment. Biomedical Physics and Engineering Express, 2018, 4, 055014.	1.2	6
17	Editorial on emerging neuroimaging tools for studying normal and abnormal human brain development. Frontiers in Human Neuroscience, 2015, 9, 127.	2.0	5
18	Alkaline brain pH shift in rodent lithium-pilocarpine model of epilepsy with chronic seizures. Brain Research, 2021, 1758, 147345.	2.2	5

#	Article	IF	Citations
19	Versatile synchronized real-time MEG hardware controller for large-scale fast data acquisition. Review of Scientific Instruments, 2017, 88, 055110.	1.3	4
20	Vibrotactile piezoelectric stimulation system with precise and versatile timing control for somatosensory research. Journal of Neuroscience Methods, 2019, 317, 29-36.	2.5	3
21	Direct Activation of Cortical Neurons in the Primary Somatosensory Cortex of the Rat in Vivo Using Focused Ultrasound. Ultrasound in Medicine and Biology, 2020, 46, 2349-2360.	1.5	1
22	Reply to â€œProspective advances in fetal biomagnetometry â€“ Challenges remainâ€: Clinical Neurophysiology, 2018, 129, 505-506.	1.5	0
23	Epileptic Activity Intrinsically Generated in the Human Cerebellum. Annals of Neurology, 2020, 88, 418-422.	5.3	0
24	Influence of unfused cranial bones on magnetoencephalography signals in human infants. Clinical Neurophysiology, 2021, 132, 708-719.	1.5	0
25	Multiscale Modeling of EEG/MEG Response of a Compact Cluster of Tightly Spaced Pyramidal Neocortical Neurons. , 2021, , 195-211.		0