

Claude Bedard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10732218/publications.pdf>

Version: 2024-02-01

25
papers

949
citations

840776

11
h-index

888059

17
g-index

28
all docs

28
docs citations

28
times ranked

921
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular and intracellular components of the impedance of neural tissue. Biophysical Journal, 2022, 121, 869-885.	0.5	5
2	Local Field Potentials: Interaction with the Extracellular Medium. , 2022, , 1895-1903.		0
3	Local Field Potentials: LFP. , 2022, , 1903-1914.		0
4	Local Field Potentials: LFP. , 2020, , 1-12.		0
5	Local Field Potentials: Interaction with the Extracellular Medium. , 2020, , 1-9.		0
6	Is the Extracellular Impedance High and Non-resistive in Cerebral Cortex?. Biophysical Journal, 2017, 113, 1639-1642.	0.5	9
7	A framework to reconcile frequency scaling measurements, from intracellular recordings, local-field potentials, up to EEG and MEG signals. Journal of Integrative Neuroscience, 2017, 16, 3-18.	1.7	21
8	Intracellular Impedance Measurements Reveal Non-ohmic Properties of the Extracellular Medium around Neurons. Biophysical Journal, 2016, 110, 234-246.	0.5	48
9	Generalized Cable Models of Neurons and Dendrites. , 2016, , 3037-3047.		0
10	Generalized cable formalism to calculate the magnetic field of single neurons and neuronal populations. Physical Review E, 2014, 90, 042723.	2.1	12
11	Local Field Potential Interaction with the Extracellular Medium. , 2014, , 1-10.		1
12	Mean-Field Formulation of Maxwell Equations to Model Electrically Inhomogeneous and Isotropic Media. Journal of Electromagnetic Analysis and Applications, 2014, 06, 296-302.	0.2	5
13	Local Field Potentials (LFP). , 2014, , 1-11.		0
14	Generalized cable theory for neurons in complex and heterogeneous media. Physical Review E, 2013, 88, 022709.	2.1	39
15	Reply to Graty et al.. Journal of Neurophysiology, 2013, 109, 1683-1683.	1.8	7
16	Do neurons generate monopolar current sources?. Journal of Neurophysiology, 2012, 108, 953-955.	1.8	31
17	Non-homogeneous extracellular resistivity affects the current-source density profiles of upstate oscillations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3802-3819.	3.4	32
18	Generalized theory for current-source-density analysis in brain tissue. Physical Review E, 2011, 84, 041909.	2.1	57

#	ARTICLE	IF	CITATIONS
19	Evidence for frequency-dependent extracellular impedance from the transfer function between extracellular and intracellular potentials. <i>Journal of Computational Neuroscience</i> , 2010, 29, 389-403.	1.0	63
20	Comparative power spectral analysis of simultaneous electroencephalographic and magnetoencephalographic recordings in humans suggests non-resistive extracellular media. <i>Journal of Computational Neuroscience</i> , 2010, 29, 405-421.	1.0	114
21	Comparative power spectral analysis of simultaneous electroencephalographic and magnetoencephalographic recordings in humans suggests non-resistive extracellular media. <i>Journal of Computational Neuroscience</i> , 2010, , 1.	1.0	3
22	Macroscopic Models of Local Field Potentials and the Apparent 1/f Noise in Brain Activity. <i>Biophysical Journal</i> , 2009, 96, 2589-2603.	0.5	184
23	A Modified Cable Formalism for Modeling Neuronal Membranes at High Frequencies. <i>Biophysical Journal</i> , 2008, 94, 1133-1143.	0.5	31
24	Modeling Extracellular Field Potentials and the Frequency-Filtering Properties of Extracellular Space. <i>Biophysical Journal</i> , 2004, 86, 1829-1842.	0.5	264
25	Local field potentials. , 0, , 136-191.		23