

Espen Hagen

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

890
citations

840776

11
h-index

940533

16
g-index

25
all docs

25
docs citations

25
times ranked

999
citing authors

#	ARTICLE	IF	CITATIONS
1	LFPy: Multimodal Modeling of Extracellular Neuronal Recordings in Python. , 2022, , 1791-1800.		0
2	Biophysically detailed forward modeling of the neural origin of EEG and MEG signals. NeuroImage, 2021, 225, 117467.	4.2	37
3	RippleNet: a Recurrent Neural Network for Sharp Wave Ripple (SPW-R) Detection. Neuroinformatics, 2021, 19, 493-514.	2.8	9
4	Estimation of neural network model parameters from local field potentials (LFPs). PLoS Computational Biology, 2020, 16, e1007725.	3.2	18
5	Conditions for wave trains in spiking neural networks. Physical Review Research, 2020, 2, .	3.6	15
6	Biophysical Psychiatry—How Computational Neuroscience Can Help to Understand the Complex Mechanisms of Mental Disorders. Frontiers in Psychiatry, 2019, 10, 534.	2.6	19
7	Alterations in Schizophrenia-Associated Genes Can Lead to Increased Power in Delta Oscillations. Cerebral Cortex, 2019, 29, 875-891.	2.9	30
8	LFPy: Multimodal Modeling of Extracellular Neuronal Recordings in Python. , 2019, , 1-10.		3
9	VIOLA—A Multi-Purpose and Web-Based Visualization Tool for Neuronal-Network Simulation Output. Frontiers in Neuroinformatics, 2018, 12, 75.	2.5	12
10	Multimodal Modeling of Neural Network Activity: Computing LFP, ECoG, EEG, and MEG Signals With LFPy 2.0. Frontiers in Neuroinformatics, 2018, 12, 92.	2.5	103
11	Focal Local Field Potential Signature of the Single-Axon Monosynaptic Thalamocortical Connection. Journal of Neuroscience, 2017, 37, 5123-5143.	3.6	28
12	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. BMC Neuroscience, 2017, 18, .	1.9	7
13	Hybrid Scheme for Modeling Local Field Potentials from Point-Neuron Networks. Cerebral Cortex, 2016, 26, 4461-4496.	2.9	89
14	Biophysical Network Modelling of the dLGN Circuit: Different Effects of Triadic and Axonal Inhibition on Visual Responses of Relay Cells. PLoS Computational Biology, 2016, 12, e1004929.	3.2	12
15	ViSAPy: A Python tool for biophysics-based generation of virtual spiking activity for evaluation of spike-sorting algorithms. Journal of Neuroscience Methods, 2015, 245, 182-204.	2.5	45
16	LFPy: a tool for biophysical simulation of extracellular potentials generated by detailed model neurons. Frontiers in Neuroinformatics, 2013, 7, 41.	2.5	147
17	Towards reliable spike-train recordings from thousands of neurons with multielectrodes. Current Opinion in Neurobiology, 2012, 22, 11-17.	4.2	184
18	Modeling the LFP footprint of unitary thalamic inputs to sensory cortex. BMC Neuroscience, 2011, 12, .	1.9	0

#	ARTICLE	IF	CITATIONS
19	An automated online positioning system and simulation environment for multi-electrodes in extracellular recordings. , 2010, 2010, 593-7.		10
20	Estimation of population firing rates and current source densities from laminar electrode recordings. Journal of Computational Neuroscience, 2008, 24, 291-313.	1.0	103