

Thomas R Knäjsche

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

777
citations

933447

10
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

806
citing authors

#	ARTICLE	IF	CITATIONS
1	Bifurcation analysis of neural mass models: Impact of extrinsic inputs and dendritic time constants. <i>NeuroImage</i> , 2010, 52, 1041-1058.	4.2	125
2	A novel approach to localize cortical TMS effects. <i>NeuroImage</i> , 2020, 209, 116486.	4.2	112
3	Modeling Brain Resonance Phenomena Using a Neural Mass Model. <i>PLoS Computational Biology</i> , 2011, 7, e1002298.	3.2	106
4	Perception of phrase structure in music. <i>Human Brain Mapping</i> , 2005, 24, 259-273.	3.6	99
5	A principled approach to conductivity uncertainty analysis in electric field calculations. <i>NeuroImage</i> , 2019, 188, 821-834.	4.2	96
6	Action potential propagation and synchronisation in myelinated axons. <i>PLoS Computational Biology</i> , 2019, 15, e1007004.	3.2	41
7	Early Parallel Processing of Auditory Word and Voice Information. <i>NeuroImage</i> , 2002, 17, 1493-1503.	4.2	40
8	Efficient high-resolution TMS mapping of the human motor cortex by nonlinear regression. <i>NeuroImage</i> , 2021, 245, 118654.	4.2	33
9	A Mean-Field Description of Bursting Dynamics in Spiking Neural Networks with Short-Term Adaptation. <i>Neural Computation</i> , 2020, 32, 1615-1634.	2.2	31
10	Pygpc: A sensitivity and uncertainty analysis toolbox for Python. <i>SoftwareX</i> , 2020, 11, 100450.	2.6	17
11	Ephaptic coupling in white matter fibre bundles modulates axonal transmission delays. <i>PLoS Computational Biology</i> , 2021, 17, e1007858.	3.2	17
12	Mean-field approximations of networks of spiking neurons with short-term synaptic plasticity. <i>Physical Review E</i> , 2021, 104, 044310.	2.1	14
13	The effect of meninges on the electric fields in TES and TMS. Numerical modeling with adaptive mesh refinement. <i>Brain Stimulation</i> , 2022, 15, 654-663.	1.6	12
14	PyRatesâ€”A Python framework for rate-based neural simulations. <i>PLoS ONE</i> , 2019, 14, e0225900.	2.5	11
15	On the Role of Arky pallidal and Prototypical Neurons for Phase Transitions in the External Pallidum. <i>Journal of Neuroscience</i> , 2021, 41, 6673-6683.	3.6	10
16	Functional brain plasticity during L1 training on complex sentences: Changes in gammaâ€”band oscillatory activity. <i>Human Brain Mapping</i> , 2021, 42, 3858-3870.	3.6	8
17	Modelling the effect of ephaptic coupling on spike propagation in peripheral nerve fibres. <i>Biological Cybernetics</i> , 2022, 116, 461-473.	1.3	1