Thomas R KnÃ¶sche

List of Publications by Year
in descending order

17	777	933447	888059
papers	citations	10	17
		h-index	g-index

23	23	23	806
all docs	docs citations	times ranked	citing authors

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