Raoul-Martin Memmesheimer

List of Publications by Year
in descending order

15 papers	470 citations	840776 11 h-index	996975 15 g-index
19 all docs	19 docs citations	19 times ranked	524 citing authors

#	Article	IF	Citations
1	High-frequency oscillations and sequence generation in two-population models of hippocampal region CA1. PLoS Computational Biology, 2022, 18, e1009891.	3.2	9
2	Drifting assemblies for persistent memory: Neuron transitions and unsupervised compensation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
3	Dynamical Learning of Dynamics. Physical Review Letters, 2020, 125, 088103.	7.8	33
4	Dynamics and computation in mixed networks containing neurons that accelerate towards spiking. Physical Review E, 2019, 100, 042404.	2.1	2
5	Altered Dynamics of Canonical Feedback Inhibition Predicts Increased Burst Transmission in Chronic Epilepsy. Journal of Neuroscience, 2019, 39, 8998-9012.	3.6	8
6	From single neurons to behavior in the jellyfish Aurelia aurita. ELife, 2019, 8, .	6.0	28
7	Growing Critical: Self-Organized Criticality in a Developing Neural System. Physical Review Letters, 2018, 121, 058301.	7.8	40
8	Analyzing the competition of gamma rhythms with delayed pulse-coupled oscillators in phase representation. Physical Review E, 2018, 98, 022217.	2.1	7
9	Cooperation and competition of gamma oscillation mechanisms. Journal of Neurophysiology, 2016, 116, 232-251.	1.8	23
10	Learning Universal Computations with Spikes. PLoS Computational Biology, 2016, 12, e1004895.	3.2	65
11	A Unified Dynamic Model for Learning, Replay, and Sharp-Wave/Ripples. Journal of Neuroscience, 2015, 35, 16236-16258.	3.6	81
12	Oscillation-Induced Signal Transmission and Gating in Neural Circuits. PLoS Computational Biology, 2014, 10, e1003940.	3.2	24
13	Hub-activated signal transmission in complex networks. Physical Review E, 2014, 89, 030701.	2.1	19
14	Guiding Synchrony through Random Networks. Physical Review X, 2012, 2, .	8.9	16
15	Quantitative prediction of intermittent high-frequency oscillations in neural networks with supralinear dendritic interactions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11092-11097.	7.1	87