Jeremie Lefebvre

List of Publications by Year
in descending order

36 papers	975 citations	759055 12 h-index	501076 28 g-index
42 all docs	42 docs citations	42 times ranked	1339 citing authors

#	Article	IF	Citations
1	Arousal Fluctuations Govern Oscillatory Transitions Between Dominant γ and α Occipital Activity During Eyes Open/Closed Conditions. Brain Topography, 2022, 35, 108-120.	0.8	8
2	A Roadmap for Computational Modelling of M/EEG. Brain Topography, 2022, 35, 1-3.	0.8	0
3	Neurostimulation stabilizes spiking neural networks by disrupting seizure-like oscillatory transitions. Scientific Reports, 2020, 10, 15408.	1.6	18
4	A Connectome-Based, Corticothalamic Model of State- and Stimulation-Dependent Modulation of Rhythmic Neural Activity and Connectivity. Frontiers in Computational Neuroscience, 2020, 14, 575143.	1.2	11
5	Activity-dependent myelination: A glial mechanism of oscillatory self-organization in large-scale brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13227-13237.	3.3	79
6	Phase Coherence Induced by Additive Gaussian and Non-gaussian Noise in Excitable Networks With Application to Burst Suppression-Like Brain Signals. Frontiers in Applied Mathematics and Statistics, 2020, 5, .	0.7	12
7	Synchronization and resilience in the Kuramoto white matter network model with adaptive state-dependent delays. Journal of Mathematical Neuroscience, 2020, 10, 16.	2.4	7
8	White matter plasticity and maturation in human cognition. Glia, 2019, 67, 2020-2037.	2.5	31
9	Disrupted network connectivity in pediatric brain tumor survivors is a signature of injury. Journal of Comparative Neurology, 2019, 527, 2896-2909.	0.9	9
10	Persistent Entrainment in Non-linear Neural Networks With Memory. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	0.7	8
11	Effect of Stimulation Waveform on the Non-linear Entrainment of Cortical Alpha Oscillations. Frontiers in Neuroscience, 2018, 12, 376.	1.4	16
12	Suppression of underlying neuronal fluctuations mediates EEG slowing during general anaesthesia. NeuroImage, 2018, 179, 414-428.	2.1	35
13	Decorrelated Input Dissociates Narrow Band γ Power and BOLD in Human Visual Cortex. Journal of Neuroscience, 2017, 37, 5408-5418.	1.7	16
14	State-dependent alpha peak frequency shifts: Experimental evidence, potential mechanisms and functional implications. Neuroscience, 2017, 360, 146-154.	1.1	163
15	Changes in White Matter Microstructure Impact Cognition by Disrupting the Ability of Neural Assemblies to Synchronize. Journal of Neuroscience, 2017, 37, 8227-8238.	1.7	42
16	Control of Rhythmic Neural Activity with Periodic Stimulation: Computational Insights. Brain Stimulation, 2017, 10, e21-e22.	0.7	0
17	Stochastic resonance mediates the state-dependent effect of periodic stimulation on cortical alpha oscillations. ELife, 2017, 6, .	2.8	41
18	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. BMC Neuroscience, 2017, 18, .	0.8	7

#	Article	IF	Citations
19	Dynamic Control of Synchronous Activity in Networks of Spiking Neurons. PLoS ONE, 2016, 11, e0161488.	1.1	37
20	Shaping Intrinsic Neural Oscillations with Periodic Stimulation. Journal of Neuroscience, 2016, 36, 5328-5337.	1.7	131
21	Cue-dependent circuits for illusory contours in humans. NeuroImage, 2016, 129, 335-344.	2.1	5
22	Modulation of Cortical Oscillations by Low-Frequency Direct Cortical Stimulation Is State-Dependent. PLoS Biology, 2016, 14, e1002424.	2.6	138
23	Shaping pathological cortical dynamics with high-frequency neurostimulation. BMC Neuroscience, 2015, 16, .	0.8	0
24	Stimulus Statistics Shape Oscillations in Nonlinear Recurrent Neural Networks. Journal of Neuroscience, 2015, 35, 2895-2903.	1.7	46
25	Focal dystonia and the Sensory-Motor Integrative Loop for Enacting (SMILE). Frontiers in Human Neuroscience, 2014, 8, 458.	1.0	45
26	Stochastic modulation of oscillatory neural activity. BMC Neuroscience, 2014, 15, .	0.8	0
27	Additive noise quenches delay-induced oscillations. Europhysics Letters, 2013, 102, 60003.	0.7	12
28	Linear response theory for two neural populations applied to gamma oscillation generation. Physical Review E, 2013, 87, .	0.8	1
29	What do molecules do when we are not looking? State sequence analysis for stochastic chemical systems. Journal of the Royal Society Interface, 2012, 9, 3411-3425.	1.5	1
30	Delay stabilizes stochastic systems near a non-oscillatory instability. Europhysics Letters, 2012, 98, 20004.	0.7	10
31	Neural population densities shape network correlations. Physical Review E, 2012, 85, 021914.	0.8	2
32	Reduced dynamics for delayed systems with harmonic or stochastic forcing. Chaos, 2012, 22, 043121.	1.0	10
33	Neural adaptation facilitates oscillatory responses to static inputs in a recurrent network of ON and OFF cells. Journal of Computational Neuroscience, 2011, 31, 73-86.	0.6	3
34	Responses of recurrent nets of asymmetric ON and OFF cells. Journal of Biological Physics, 2011, 37, 189-212.	0.7	2
35	Dynamics of driven recurrent networks of ON and OFF cells. Physical Review E, 2009, 80, 041912.	0.8	9
36	Patterns of landscape change in a rapidly urbanizing mountain region. CyberGeo, 0, , .	0.0	14