

Jeremie Lefebvre

List of Publications by Year in descending order

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Version: 2024-02-01

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	State-dependent alpha peak frequency shifts: Experimental evidence, potential mechanisms and functional implications. <i>Neuroscience</i> , 2017, 360, 146-154.	1.1	163
2	Modulation of Cortical Oscillations by Low-Frequency Direct Cortical Stimulation Is State-Dependent. <i>PLoS Biology</i> , 2016, 14, e1002424.	2.6	138
3	Shaping Intrinsic Neural Oscillations with Periodic Stimulation. <i>Journal of Neuroscience</i> , 2016, 36, 5328-5337.	1.7	131
4	Activity-dependent myelination: A glial mechanism of oscillatory self-organization in large-scale brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13227-13237.	3.3	79
5	Stimulus Statistics Shape Oscillations in Nonlinear Recurrent Neural Networks. <i>Journal of Neuroscience</i> , 2015, 35, 2895-2903.	1.7	46
6	Focal dystonia and the Sensory-Motor Integrative Loop for Enacting (SMILE). <i>Frontiers in Human Neuroscience</i> , 2014, 8, 458.	1.0	45
7	Changes in White Matter Microstructure Impact Cognition by Disrupting the Ability of Neural Assemblies to Synchronize. <i>Journal of Neuroscience</i> , 2017, 37, 8227-8238.	1.7	42
8	Stochastic resonance mediates the state-dependent effect of periodic stimulation on cortical alpha oscillations. <i>ELife</i> , 2017, 6, .	2.8	41
9	Dynamic Control of Synchronous Activity in Networks of Spiking Neurons. <i>PLoS ONE</i> , 2016, 11, e0161488.	1.1	37
10	Suppression of underlying neuronal fluctuations mediates EEG slowing during general anaesthesia. <i>NeuroImage</i> , 2018, 179, 414-428.	2.1	35
11	White matter plasticity and maturation in human cognition. <i>Glia</i> , 2019, 67, 2020-2037.	2.5	31
12	Neurostimulation stabilizes spiking neural networks by disrupting seizure-like oscillatory transitions. <i>Scientific Reports</i> , 2020, 10, 15408.	1.6	18
13	Decorrelated Input Dissociates Narrow Band $\hat{\beta}^3$ Power and BOLD in Human Visual Cortex. <i>Journal of Neuroscience</i> , 2017, 37, 5408-5418.	1.7	16
14	Effect of Stimulation Waveform on the Non-linear Entrainment of Cortical Alpha Oscillations. <i>Frontiers in Neuroscience</i> , 2018, 12, 376.	1.4	16
15	Patterns of landscape change in a rapidly urbanizing mountain region. <i>CyberGeo</i> , 0, , .	0.0	14
16	Additive noise quenches delay-induced oscillations. <i>Europhysics Letters</i> , 2013, 102, 60003.	0.7	12
17	Phase Coherence Induced by Additive Gaussian and Non-gaussian Noise in Excitable Networks With Application to Burst Suppression-Like Brain Signals. <i>Frontiers in Applied Mathematics and Statistics</i> , 2020, 5, .	0.7	12
18	A Connectome-Based, Corticothalamic Model of State- and Stimulation-Dependent Modulation of Rhythmic Neural Activity and Connectivity. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 575143.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Delay stabilizes stochastic systems near a non-oscillatory instability. Europhysics Letters, 2012, 98, 20004.	0.7	10
20	Reduced dynamics for delayed systems with harmonic or stochastic forcing. Chaos, 2012, 22, 043121.	1.0	10
21	Dynamics of driven recurrent networks of ON and OFF cells. Physical Review E, 2009, 80, 041912.	0.8	9
22	Disrupted network connectivity in pediatric brain tumor survivors is a signature of injury. Journal of Comparative Neurology, 2019, 527, 2896-2909.	0.9	9
23	Persistent Entrainment in Non-linear Neural Networks With Memory. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	0.7	8
24	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
25	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. BMC Neuroscience, 2017, 18, .	0.8	7
26	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
27	Cue-dependent circuits for illusory contours in humans. NeuroImage, 2016, 129, 335-344.	2.1	5
28	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
29	Responses of recurrent nets of asymmetric ON and OFF cells. Journal of Biological Physics, 2011, 37, 189-212.	0.7	2
30	Neural population densities shape network correlations. Physical Review E, 2012, 85, 021914.	0.8	2
31	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
32	Linear response theory for two neural populations applied to gamma oscillation generation. Physical Review E, 2013, 87, .	0.8	1
33	Stochastic modulation of oscillatory neural activity. BMC Neuroscience, 2014, 15, .	0.8	0
34	Shaping pathological cortical dynamics with high-frequency neurostimulation. BMC Neuroscience, 2015, 16, .	0.8	0
35	Control of Rhythmic Neural Activity with Periodic Stimulation: Computational Insights. Brain Stimulation, 2017, 10, e21-e22.	0.7	0
36	A Roadmap for Computational Modelling of M/EEG. Brain Topography, 2022, 35, 1-3.	0.8	0