

Gerold Baier

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

589
citations

933447

10
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	A Computational Study of Stimulus Driven Epileptic Seizure Abatement. PLoS ONE, 2014, 9, e114316.	2.5	100
2	Intermittent spike-wave dynamics in a heterogeneous, spatially extended neural mass model. NeuroImage, 2011, 55, 920-932.	4.2	97
3	A Meeting of Two Chronobiological Systems: Circadian Proteins Period1 and BMAL1 Modulate the Human Hair Cycle Clock. Journal of Investigative Dermatology, 2014, 134, 610-619.	0.7	84
4	The importance of modeling epileptic seizure dynamics as spatio-temporal patterns. Frontiers in Physiology, 2012, 3, 281.	2.8	58
5	A spatially extended model for macroscopic spike-wave discharges. Journal of Computational Neuroscience, 2011, 31, 679-684.	1.0	57
6	Phase space approach for modeling of epileptic dynamics. Physical Review E, 2012, 85, 061918.	2.1	54
7	Dynamic Mechanisms of Neocortical Focal Seizure Onset. PLoS Computational Biology, 2014, 10, e1003787.	3.2	54
8	Network dynamics in the healthy and epileptic developing brain. Network Neuroscience, 2018, 2, 41-59.	2.6	22
9	Evolution of Genuine Cross-Correlation Strength of Focal Onset Seizures. Journal of Clinical Neurophysiology, 2011, 28, 450-462.	1.7	19
10	Understanding Epileptiform After-Discharges as Rhythmic Oscillatory Transients. Frontiers in Computational Neuroscience, 2017, 11, 25.	2.1	16
11	Spontaneous transitions to focal-onset epileptic seizures: A dynamical study. Chaos, 2020, 30, 103114.	2.5	8
12	Dynamical Features of a Focal Epileptogenic Network Model for Stimulation-Based Control. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1856-1865.	4.9	6
13	Extracting the transition network of epileptic seizure onset. Chaos, 2021, 31, 023143.	2.5	3
14	Design Principle for a Population-Based Model of Epileptic Dynamics. , 2018, , 333-347.		3
15	Band power modulation through intracranial EEG stimulation and its cross-session consistency. Journal of Neural Engineering, 2020, 17, 054001.	3.5	3
16	Effects of brain-derived neurotrophic factor and noise on transitions in temporal lobe epilepsy in a hippocampal network. Chaos, 2018, 28, 106322.	2.5	2
17	Dynamic Diseases of the Brain. , 2020, , 1-13.		0
18	Dynamic Diseases of the Brain. , 2022, , 1243-1255.		0