

Ekkehard Ullner

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

864
citations

858243

12
h-index

721071

23
g-index

29
all docs

29
docs citations

29
times ranked

774
citing authors

#	ARTICLE	IF	CITATIONS
1	Collective dynamics in the presence of finite-width pulses. <i>Chaos</i> , 2021, 31, 043135.	1.0	4
2	Stability of synchronous states in sparse neuronal networks. <i>Nonlinear Dynamics</i> , 2020, 102, 733-743.	2.7	2
3	The Human Body as a Super Network: Digital Methods to Analyze the Propagation of Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 136.	1.7	24
4	Quantitative and qualitative analysis of asynchronous neural activity. <i>Physical Review Research</i> , 2020, 2, .	1.3	9
5	Collective irregular dynamics in balanced networks of leaky integrate-and-fire neurons. <i>European Physical Journal: Special Topics</i> , 2018, 227, 1185-1204.	1.2	17
6	Ubiquity of collective irregular dynamics in balanced networks of spiking neurons. <i>Chaos</i> , 2018, 28, 081106.	1.0	28
7	Cortical Spike Synchrony as a Measure of Input Familiarity. <i>Neural Computation</i> , 2017, 29, 2491-2510.	1.3	13
8	Chaotic macroscopic phases in one-dimensional oscillators. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1791-1810.	1.2	5
9	Self-Sustained Irregular Activity in an Ensemble of Neural Oscillators. <i>Physical Review X</i> , 2016, 6, .	2.8	20
10	Modelling Robust Feedback Control Mechanisms That Ensure Reliable Coordination of Histone Gene Expression with DNA Replication. <i>PLoS ONE</i> , 2016, 11, e0165848.	1.1	3
11	Complex and unexpected dynamics in simple genetic regulatory networks. <i>International Journal of Modern Physics B</i> , 2014, 28, 1430006.	1.0	6
12	Exponential Signaling Gain at the Receptor Level Enhances Signal-to-Noise Ratio in Bacterial Chemotaxis. <i>PLoS ONE</i> , 2014, 9, e87815.	1.1	10
13	Parameter Estimation Methods for Chaotic Intercellular Networks. <i>PLoS ONE</i> , 2013, 8, e79892.	1.1	5
14	Theoretical basis of the community effect in development. <i>BMC Systems Biology</i> , 2011, 5, 54.	3.0	25
15	Cooperative differentiation through clustering in multicellular populations. <i>Journal of Theoretical Biology</i> , 2010, 263, 189-202.	0.8	98
16	Abundance of stable periodic behavior in a Red Grouse population model with delay: A consequence of homoclinicity. <i>Chaos</i> , 2010, 20, 045117.	1.0	16
17	Noise-Induced Coherence in Multicellular Circadian Clocks. <i>Biophysical Journal</i> , 2009, 96, 3573-3581.	0.2	52
18	Dynamics of Multicellular Synthetic Gene Networks. <i>World Scientific Lecture Notes in Complex Systems</i> , 2009, , 33-58.	0.1	1

#	ARTICLE	IF	CITATIONS
19	Multistability of synthetic genetic networks with repressive cell-to-cell communication. Physical Review E, 2008, 78, 031904.	0.8	84
20	Contour Integration and Synchronization in Neuronal Networks of the Visual Cortex. Lecture Notes in Computer Science, 2008, , 703-712.	1.0	1
21	Multistability and Clustering in a Population of Synthetic Genetic Oscillators via Phase-Repulsive Cell-to-Cell Communication. Physical Review Letters, 2007, 99, 148103.	2.9	206
22	Vibrational resonance and vibrational propagation in excitable systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 312, 348-354.	0.9	172
23	Noise-Induced Excitability in Oscillatory Media. Physical Review Letters, 2003, 91, 180601.	2.9	62