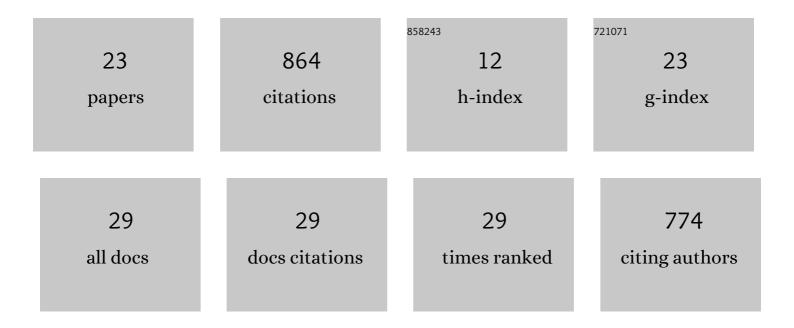
Ekkehard Ullner

List of Publications by Year in descending order

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

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#	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