Marco Thiel

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	1,254 citations	430874 18 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	1440 citing authors

#	Article	IF	Citations
1	Influence of observational noise on the recurrence quantification analysis. Physica D: Nonlinear Phenomena, 2002, 171, 138-152.	2.8	210
2	Multivariate recurrence plots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 214-223.	2.1	132
3	How much information is contained in a recurrence plot?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 343-349.	2.1	126
4	Estimation of the direction of the coupling by conditional probabilities of recurrence. Physical Review E, 2007, 76, 036211.	2.1	108
5	Combinatorial stresses kill pathogenicCandidaspecies. Medical Mycology, 2012, 50, 699-709.	0.7	79
6	Inference of Granger causal time-dependent influences in noisy multivariate time series. Journal of Neuroscience Methods, 2012, 203, 173-185.	2.5	57
7	Integrative Model of Oxidative Stress Adaptation in the Fungal Pathogen Candida albicans. PLoS ONE, 2015, 10, e0137750.	2.5	57
8	Queueing Phase Transition: Theory of Translation. Physical Review Letters, 2009, 102, 198104.	7.8	49
9	The Dynamics of Supply and Demand in mRNA Translation. PLoS Computational Biology, 2011, 7, e1002203.	3.2	46
10	Synchronization Analysis of Coupled Noncoherent Oscillators. Nonlinear Dynamics, 2006, 44, 135-149.	5.2	41
11	Recurrences determine the dynamics. Chaos, 2009, 19, 023104.	2.5	40
12	Contribution of Fdh3 and Glr1 to Glutathione Redox State, Stress Adaptation and Virulence in Candida albicans. PLoS ONE, 2015, 10, e0126940.	2.5	35
13	A max-plus model of ribosome dynamics during mRNA translation. Journal of Theoretical Biology, 2012, 303, 128-140.	1.7	32
14	Spurious Structures in Recurrence Plots Induced by Embedding. Nonlinear Dynamics, 2006, 44, 299-305.	5.2	29
15	A systems biology analysis of long and short-term memories of osmotic stress adaptation in fungi. BMC Research Notes, 2012, 5, 258.	1.4	28
16	From START to FINISH: The Influence of Osmotic Stress on the Cell Cycle. PLoS ONE, 2013, 8, e68067.	2.5	27
17	Hypothesis test for synchronization: Twin surrogates revisited. Chaos, 2009, 19, 015108.	2.5	26
18	Limited Resources in a Driven Diffusion Process. Physical Review Letters, 2010, 105, 078102.	7.8	19

#	Article	IF	Citations
19	Network inference in the presence of latent confounders: The role of instantaneous causalities. Journal of Neuroscience Methods, 2015, 245, 91-106.	2.5	17
20	Assessing the strength of directed influences among neural signals: An approach to noisy data. Journal of Neuroscience Methods, 2015, 239, 47-64.	2.5	16
21	Disentangling regular and chaotic motion in the standard map using complex network analysis of recurrences in phase space. Chaos, 2016, 26, 023120.	2.5	15
22	Slow sites in an exclusion process with limited resources. Physical Review E, 2010, 82, 051920.	2.1	12
23	Overarching framework for data-based modelling. Europhysics Letters, 2014, 105, 30004.	2.0	12
24	Analysis of Bivariate Coupling by Means of Recurrence. , 2008, , 153-182.		10
25	SURROGATE-BASED HYPOTHESIS TEST WITHOUT SURROGATES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2107-2114.	1.7	9
26	Synchronization Analysis and Recurrence in Complex Systems. , 0, , 231-264.		4
27	Optimized spectral estimation for nonlinear synchronizing systems. Physical Review E, 2014, 89, 032912.	2.1	4
28	Improving network inference: The impact of false positive and false negative conclusions about the presence or absence of links. Journal of Neuroscience Methods, 2018, 307, 31-36.	2.5	4
29	Recovery from stress: A cell cycle perspective.. Journal of Computational Interdisciplinary Sciences, 2012, 3, 33-44.	0.3	3
30	Community control in cellular protein production: consequences for amino acid starvation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150107.	3.4	2