Marco Thiel

List of Publications by Year
in descending order

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	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
2	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
3	Contribution of Fdh3 and Glr1 to Glutathione Redox State, Stress Adaptation and Virulence in Candida albicans. PLoS ONE, 2015, 10, e0126940.	2.5	35
4	Integrative Model of Oxidative Stress Adaptation in the Fungal Pathogen Candida albicans. PLoS ONE, 2015, 10, e0137750.	2.5	57
5	Network inference in the presence of latent confounders: The role of instantaneous causalities. Journal of Neuroscience Methods, 2015, 245, 91-106.	2.5	17
6	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
7	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
8	Overarching framework for data-based modelling. Europhysics Letters, 2014, 105, 30004.	2.0	12
9	Optimized spectral estimation for nonlinear synchronizing systems. Physical Review E, 2014, 89, 032912.	2.1	4
10	From START to FINISH: The Influence of Osmotic Stress on the Cell Cycle. PLoS ONE, 2013, 8, e68067.	2.5	27
11	Combinatorial stresses kill pathogenic *Candida* species. Medical Mycology, 2012, 50, 699-709.	0.7	79
12	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
13	Recovery from stress: A cell cycle perspective.. Journal of Computational Interdisciplinary Sciences, 2012, 3, 33-44.	0.3	3
14	Inference of Granger causal time-dependent influences in noisy multivariate time series. Journal of Neuroscience Methods, 2012, 203, 173-185.	2.5	57
15	A max-plus model of ribosome dynamics during mRNA translation. Journal of Theoretical Biology, 2012, 303, 128-140.	1.7	32
16	The Dynamics of Supply and Demand in mRNA Translation. PLoS Computational Biology, 2011, 7, e1002203.	3.2	46
17	Limited Resources in a Driven Diffusion Process. Physical Review Letters, 2010, 105, 078102.	7.8	19
18	Slow sites in an exclusion process with limited resources. Physical Review E, 2010, 82, 051920.	2.1	12

#	Article	IF	Citations
19	Queueing Phase Transition: Theory of Translation. Physical Review Letters, 2009, 102, 198104.	7.8	49
20	Recurrences determine the dynamics. Chaos, 2009, 19, 023104.	2.5	40
21	Hypothesis test for synchronization: Twin surrogates revisited. Chaos, 2009, 19, 015108.	2.5	26
22	Analysis of Bivariate Coupling by Means of Recurrence. , 2008, , 153-182.		10
23	Estimation of the direction of the coupling by conditional probabilities of recurrence. Physical Review E, 2007, 76, 036211.	2.1	108
24	Synchronization Analysis of Coupled Noncoherent Oscillators. Nonlinear Dynamics, 2006, 44, 135-149.	5.2	41
25	Spurious Structures in Recurrence Plots Induced by Embedding. Nonlinear Dynamics, 2006, 44, 299-305.	5.2	29
26	SURROGATE-BASED HYPOTHESIS TEST WITHOUT SURROGATES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2107-2114.	1.7	9
27	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
28	Multivariate recurrence plots. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 214-223.	2.1	132
29	Influence of observational noise on the recurrence quantification analysis. Physica D: Nonlinear Phenomena, 2002, 171, 138-152.	2.8	210
30	Synchronization Analysis and Recurrence in Complex Systems. , 0, , 231-264.		4