Tiago Pereira

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/226270/publications.pdf

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29	796	567281 15	501196 28
papers	citations	h-index	g-index

29	29	29	788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coupling functions: Universal insights into dynamical interaction mechanisms. Reviews of Modern Physics, 2017, 89, .	45.6	196
2	Basin of Attraction Determines Hysteresis in Explosive Synchronization. Physical Review Letters, 2014, 112, 114102.	7.8	110
3	Synchronisation of chaos and its applications. Contemporary Physics, 2017, 58, 207-243.	1.8	61
4	Explosive synchronization is discontinuous. Physical Review E, 2015, 92, 012904.	2.1	42
5	Towards a theory for diffusive coupling functions allowing persistent synchronization. Nonlinearity, 2014, 27, 501-525.	1.4	40
6	Hub synchronization in scale-free networks. Physical Review E, 2010, 82, 036201.	2.1	35
7	Consequences of delays and imperfect implementation of isolation in epidemic control. Scientific Reports, 2019, 9, 3505.	3.3	32
8	Connectivity-Driven Coherence in Complex Networks. Physical Review Letters, 2013, 110, 234103.	7.8	31
9	An SIQ delay differential equations model for disease control via isolation. Journal of Mathematical Biology, 2019, 79, 249-279.	1.9	25
10	Adding connections can hinder network synchronization of time-delayed oscillators. Physical Review E, 2015, 92, 022804.	2.1	23
11	Synchronization transitions caused by time-varying coupling functions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190275.	3.4	21
12	Self-Synchronization in Duty-Cycled Internet of Things (IoT) Applications. IEEE Internet of Things Journal, 2017, 4, 2058-2069.	8.7	20
13	Spectra of Laplacian Matrices of Weighted Graphs: Structural Genericity Properties. SIAM Journal on Applied Mathematics, 2018, 78, 372-394.	1.8	18
14	Coupling functions: dynamical interaction mechanisms in the physical, biological and social sciences. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190039.	3.4	17
15	Improving Network Structure can lead to Functional Failures. Scientific Reports, 2015, 5, 9968.	3.3	15
16	Coherence resonance in influencer networks. Nature Communications, 2021, 12, 72.	12.8	15
17	Extracellular potassium dynamics in the hyperexcitable state of the neuronal ictal activity. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4700-4706.	3.3	13
18	Anticipated and zero-lag synchronization in motifs of delay-coupled systems. Chaos, 2017, 27, 114305.	2.5	12

#	Article	IF	Citations
19	Exponential energy growth in adiabatically changing Hamiltonian systems. Physical Review E, 2015, 91, 010901.	2.1	11
20	Heterogeneously coupled maps: hub dynamics and emergence across connectivity layers. Journal of the European Mathematical Society, 2020, 22, 2183-2252.	1.4	11
21	Control of epidemics on complex networks: Effectiveness of delayed isolation. Physical Review E, 2015, 92, 022822.	2.1	10
22	Revealing Dynamics, Communities, and Criticality from Data. Physical Review X, 2020, 10, .	8.9	8
23	The Effects of Structural Perturbations on the Synchronizability of Diffusive Networks. Journal of Nonlinear Science, 2019, 29, 1919-1942.	2.1	7
24	Robustness of ergodic properties of non-autonomous piecewise expanding maps. Ergodic Theory and Dynamical Systems, 2019, 39, 1121-1152.	0.6	7
25	Persistence of Network Synchronization under Nonidentical Coupling Functions. SIAM Journal on Applied Dynamical Systems, 2016, 15, 1563-1580.	1.6	4
26	Smart testing and critical care bed sharing for COVID-19 control. PLoS ONE, 2021, 16, e0257235.	2.5	4
27	Asymptotic integral kernel for ensembles of random normal matrices with radial potentials. Journal of Mathematical Physics, 2012, 53, 023303.	1.1	3
28	Chimera states through invariant manifold theory. Nonlinearity, 2021, 34, 5344-5374.	1.4	3
29	Dynamics of Cluster Synchronisation in Modular Networks: Implications for Structural and Functional Networks. Understanding Complex Systems, 2015, , 107-130.	0.6	2