

Tiago Pereira

List of Publications by Year in descending order

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29
papers

796
citations

567281

15
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherence resonance in influencer networks. <i>Nature Communications</i> , 2021, 12, 72.	12.8	15
2	Chimera states through invariant manifold theory. <i>Nonlinearity</i> , 2021, 34, 5344-5374.	1.4	3
3	Smart testing and critical care bed sharing for COVID-19 control. <i>PLoS ONE</i> , 2021, 16, e0257235.	2.5	4
4	Revealing Dynamics, Communities, and Criticality from Data. <i>Physical Review X</i> , 2020, 10, .	8.9	8
5	Heterogeneously coupled maps: hub dynamics and emergence across connectivity layers. <i>Journal of the European Mathematical Society</i> , 2020, 22, 2183-2252.	1.4	11
6	Coupling functions: dynamical interaction mechanisms in the physical, biological and social sciences. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190039.	3.4	17
7	An SIQ delay differential equations model for disease control via isolation. <i>Journal of Mathematical Biology</i> , 2019, 79, 249-279.	1.9	25
8	Consequences of delays and imperfect implementation of isolation in epidemic control. <i>Scientific Reports</i> , 2019, 9, 3505.	3.3	32
9	The Effects of Structural Perturbations on the Synchronizability of Diffusive Networks. <i>Journal of Nonlinear Science</i> , 2019, 29, 1919-1942.	2.1	7
10	Synchronization transitions caused by time-varying coupling functions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190275.	3.4	21
11	Robustness of ergodic properties of non-autonomous piecewise expanding maps. <i>Ergodic Theory and Dynamical Systems</i> , 2019, 39, 1121-1152.	0.6	7
12	Spectra of Laplacian Matrices of Weighted Graphs: Structural Genericity Properties. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 372-394.	1.8	18
13	Anticipated and zero-lag synchronization in motifs of delay-coupled systems. <i>Chaos</i> , 2017, 27, 114305.	2.5	12
14	Self-Synchronization in Duty-Cycled Internet of Things (IoT) Applications. <i>IEEE Internet of Things Journal</i> , 2017, 4, 2058-2069.	8.7	20
15	Synchronisation of chaos and its applications. <i>Contemporary Physics</i> , 2017, 58, 207-243.	1.8	61
16	Coupling functions: Universal insights into dynamical interaction mechanisms. <i>Reviews of Modern Physics</i> , 2017, 89, .	45.6	196
17	Persistence of Network Synchronization under Nonidentical Coupling Functions. <i>SIAM Journal on Applied Dynamical Systems</i> , 2016, 15, 1563-1580.	1.6	4
18	Explosive synchronization is discontinuous. <i>Physical Review E</i> , 2015, 92, 012904.	2.1	42

#	ARTICLE	IF	CITATIONS
19	Control of epidemics on complex networks: Effectiveness of delayed isolation. Physical Review E, 2015, 92, 022822.	2.1	10
20	Improving Network Structure can lead to Functional Failures. Scientific Reports, 2015, 5, 9968.	3.3	15
21	Exponential energy growth in adiabatically changing Hamiltonian systems. Physical Review E, 2015, 91, 010901.	2.1	11
22	Adding connections can hinder network synchronization of time-delayed oscillators. Physical Review E, 2015, 92, 022804.	2.1	23
23	Dynamics of Cluster Synchronisation in Modular Networks: Implications for Structural and Functional Networks. Understanding Complex Systems, 2015, , 107-130.	0.6	2
24	Towards a theory for diffusive coupling functions allowing persistent synchronization. Nonlinearity, 2014, 27, 501-525.	1.4	40
25	Basin of Attraction Determines Hysteresis in Explosive Synchronization. Physical Review Letters, 2014, 112, 114102.	7.8	110
26	Connectivity-Driven Coherence in Complex Networks. Physical Review Letters, 2013, 110, 234103.	7.8	31
27	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
28	Asymptotic integral kernel for ensembles of random normal matrices with radial potentials. Journal of Mathematical Physics, 2012, 53, 023303.	1.1	3
29	Hub synchronization in scale-free networks. Physical Review E, 2010, 82, 036201.	2.1	35