Yong Zou

List of Publications by Year
in descending order

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		172443	98792
83	4,765	29	67
papers	citations	h-index	g-index

87	87	87	2851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristics of edge-based interdependent networks. Chaos, Solitons and Fractals, 2022, 156, 111819.	5.1	6
2	Bursting patterns with complex structures in a parametrically and externally excited Jerk circuit system. European Physical Journal: Special Topics, 2022, 231, 2265-2275.	2.6	8
3	Phase Coherence Between Surrounding Oceans Enhances Precipitation Shortages in Northeast Brazil. Geophysical Research Letters, 2022, 49, .	4.0	2
4	Time-limited self-sustaining rhythms and state transitions in brain networks. Physical Review Research, 2022, 4, .	3.6	4
5	Multi-scale transition network approaches for nonlinear time series analysis. Chaos, Solitons and Fractals, 2022, 159, 112026.	5.1	16
6	Partial event coincidence analysis for distinguishing direct and indirect coupling in functional network construction. Chaos, 2022, 32, 063134.	2.5	2
7	Characterizing dynamical transitions by statistical complexity measures based on ordinal pattern transition networks. Chaos, 2021, 31, 033127.	2.5	12
8	Distinctive roles of hysteresis, amplitude death and oscillation death in generating fast-slow phenomena in parametrically and externally excited systems. Chaos, Solitons and Fractals, 2021, 150, 111189.	5.1	2
9	Uncovering episodic influence of oceans on extreme drought events in Northeast Brazil by ordinal partition network approaches. Chaos, 2020, 30, 053104.	2.5	11
10	Asymmetric interdependent networks with multiple-dependence relation. Physical Review E, 2020, 101, 022314.	2.1	14
11	Impact of contact preference on social contagions on complex networks. Physical Review E, 2020, 101, 042308.	2.1	9
12	Identifying epidemic threshold by temporal profile of outbreaks on networks. Chaos, 2019, 29, 103141.	2.5	2
13	Clustering and Bellerophon state in Kuramoto model with second-order coupling. Chaos, 2019, 29, 043102.	2.5	10
14	Ordinal partition transition network based complexity measures for inferring coupling direction and delay from time series. Chaos, 2019, 29, 043111.	2.5	26
15	Enhanced Connection Adaption Strategy With Partition Approach. IEEE Access, 2019, 7, 34162-34169.	4.2	3
16	Novel transition and Bellerophon state in coupled Stuartâ€“Landau oscillators. Frontiers of Physics, 2019, 14, 1.	5.0	3
17	Interdependent networks with redundant and dependent interconnections. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120777.	2.6	0
18	Fully solvable lower dimensional dynamics of Cartesian product of Kuramoto models. New Journal of Physics, 2019, 21, 123019.	2.9	4

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19	Learning epidemic threshold in complex networks by Convolutional Neural Network. Chaos, 2019, 29, 113106.	2.5	12
20	Complex network approaches to nonlinear time series analysis. Physics Reports, 2019, 787, 1-97.	25.6	370
21	Recurrence Density Enhanced Complex Networks for Nonlinear Time Series Analysis. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850008.	1.7	2
22	Unveiling non-stationary coupling between Amazon and ocean during recent extreme events. Climate Dynamics, 2018, 50, 767-776.	3.8	9
23	Characterizing the exceptional 2014 drought event in SÃ£o Paulo by drought period length. Climate Dynamics, 2018, 51, 433-442.	3.8	7
24	Mean-field approximations of fixation time distributions of evolutionary game dynamics on graphs. Frontiers of Physics, 2018, 13, 1.	5.0	10
25	Hybrid phase transitions of spreading dynamics in multiplex networks. Chinese Journal of Physics, 2018, 56, 1166-1172.	3.9	4
26	Cross and joint ordinal partition transition networks for multivariate time series analysis. Frontiers of Physics, 2018, 13, 1.	5.0	19
27	Brain anomaly networks uncover heterogeneous functional reorganization patterns after stroke. NeuroImage: Clinical, 2018, 20, 523-530.	2.7	16
28	Visibility graph analysis for re-sampled time series from auto-regressive stochastic processes. Communications in Nonlinear Science and Numerical Simulation, 2017, 42, 396-403.	3.3	21
29	The impact of heterogeneous response on coupled spreading dynamics in multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 484, 225-232.	2.6	16
30	Constructing ordinal partition transition networks from multivariate time series. Scientific Reports, 2017, 7, 7795.	3.3	68
31	Connection adaption for control of networked mobile chaotic agents. Scientific Reports, 2017, 7, 16069.	3.3	7
32	Cartesian product of synchronization transitions and hysteresis. New Journal of Physics, 2017, 19, 123036.	2.9	7
33	Constructing regional climate networks in the Amazonia during recent drought events. PLoS ONE, 2017, 12, e0186145.	2.5	2
34	Synchronization and Bellerophon states in conformist and contrarian oscillators. Scientific Reports, 2016, 6, 36713.	3.3	31
35	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
36	Intermittent Bellerophon state in frequency-weighted Kuramoto model. Chaos, 2016, 26, 123117.	2.5	8

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37	Fixation probabilities of evolutionary coordination games on two coupled populations. Physical Review E, 2016, 94, 032307.	2.1	8
38	Synchronization in slowly switching networks of coupled oscillators. Scientific Reports, 2016, 6, 35979.	3.3	22
39	Coexistence of Quantized, Time Dependent, Clusters in Globally Coupled Oscillators. Physical Review Letters, 2016, 117, 204101.	7.8	67
40	Explosive transitions in complex networksâ€™ structure and dynamics: Percolation and synchronization. Physics Reports, 2016, 660, 1-94.	25.6	251
41	Suppressing explosive synchronization by contrarians. Europhysics Letters, 2016, 113, 28005.	2.0	18
42	Do the recent severe droughts in the Amazonia have the same period of length?. Climate Dynamics, 2016, 46, 3279-3285.	3.8	22
43	Explosive synchronization is discontinuous. Physical Review E, 2015, 92, 012904.	2.1	42
44	Non-periodic outbreaks of recurrent epidemics and its network modelling. Scientific Reports, 2015, 5, 16010.	3.3	21
45	Multiscale complex network for analyzing experimental multivariate time series. Europhysics Letters, 2015, 109, 30005.	2.0	116
46	Analytical description for the critical fixations of evolutionary coordination games on finite complex structured populations. Physical Review E, 2015, 91, 042807.	2.1	5
47	Analyzing long-term correlated stochastic processes by means of recurrence networks: Potentials and pitfalls. Physical Review E, 2015, 91, 022926.	2.1	13
48	Shuttle-run synchronization in mobile ad hoc networks. Frontiers of Physics, 2015, 10, 343-350.	5.0	5
49	Complex Network Analysis of Recurrences. Understanding Complex Systems, 2015, , 101-163.	0.6	8
50	Long-term changes in the northâ€“south asymmetry of solar activity: a nonlinear dynamics characterization using visibility graphs. Nonlinear Processes in Geophysics, 2014, 21, 1113-1126.	1.3	57
51	Explosive oscillation death in coupled Stuart-Landau oscillators. Europhysics Letters, 2014, 108, 50003.	2.0	41
52	Basin of Attraction Determines Hysteresis in Explosive Synchronization. Physical Review Letters, 2014, 112, 114102.	7.8	110
53	Fluctuation of similarity to detect transitions between distinct dynamical regimes in short time series. Physical Review E, 2014, 89, 062908.	2.1	9
54	Complex network approach to characterize the statistical features of the sunspot series. New Journal of Physics, 2014, 16, 013051.	2.9	45

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55	Variation of critical point of aging transition in a networked oscillators system. Chaos, 2014, 24, 023122.	2.5	20
56	Explosive synchronization as a process of explosive percolation in dynamical phase space. Scientific Reports, 2014, 4, 5200.	3.3	61
57	Network of Networks and the Climate System. IEICE Proceeding Series, 2014, 1, 170-170.	0.0	0
58	Estimating coupling directions in the cardiorespiratory system using recurrence properties. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110624.	3.4	33
59	Power-laws in recurrence networks from dynamical systems. Europhysics Letters, 2012, 98, 48001.	2.0	24
60	Dynamical regimes and transitions in Plio-Pleistocene Asian monsoon. Europhysics Letters, 2012, 97, 40009.	2.0	11
61	Phase coherence and attractor geometry of chaotic electrochemical oscillators. Chaos, 2012, 22, 033130.	2.5	23
62	Geometric and dynamic perspectives on phase-coherent and noncoherent chaos. Chaos, 2012, 22, 013115.	2.5	12
63	Node-weighted measures for complex networks with spatially embedded, sampled, or differently sized nodes. European Physical Journal B, 2012, 85, 1.	1.5	58
64	RECURRENCE-BASED TIME SERIES ANALYSIS BY MEANS OF COMPLEX NETWORK METHODS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1019-1046.	1.7	350
65	Investigating the topology of interacting networks. European Physical Journal B, 2011, 84, 635-651.	1.5	165
66	The geometry of chaotic dynamics â€" a complex network perspective. European Physical Journal B, 2011, 84, 653-672.	1.5	126
67	Self-enforcing strategies to deter free-riding in the climate change mitigation game and other repeated public good games. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15739-15744.	7.1	77
68	LOCAL MINIMA-BASED RECURRENCE PLOTS FOR CONTINUOUS DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1065-1075.	1.7	15
69	INFERRING INDIRECT COUPLING BY MEANS OF RECURRENCES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1099-1111.	1.7	37
70	Ambiguities in recurrence-based complex network representations of time series. Physical Review E, 2010, 81, 015101.	2.1	113
71	The complexity of gene expression dynamics revealed by permutation entropy. BMC Bioinformatics, 2010, 11, 607.	2.6	33
72	Recurrence networksâ€"a novel paradigm for nonlinear time series analysis. New Journal of Physics, 2010, 12, 033025.	2.9	489

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73	Identifying complex periodic windows in continuous-time dynamical systems using recurrence-based methods. Chaos, 2010, 20, 043130.	2.5	65
74	Dynamics in Complex Systems. European Review, 2009, 17, 357-370.	0.7	14
75	Complex network approach for recurrence analysis of time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4246-4254.	2.1	501
76	Complex networks in climate dynamics. European Physical Journal: Special Topics, 2009, 174, 157-179.	2.6	416
77	The backbone of the climate network. Europhysics Letters, 2009, 87, 48007.	2.0	347
78	Recurrence analysis of quasiperiodicity in experimental fluid data. European Physical Journal: Special Topics, 2008, 164, 23-33.	2.6	6
79	Synchronization in the Kuramoto model: A dynamical gradient network approach. Physical Review E, 2008, 77, 027101.	2.1	32
80	ANALYTICAL DESCRIPTION OF RECURRENCE PLOTS OF DYNAMICAL SYSTEMS WITH NONTRIVIAL RECURRENCES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 4273-4283.	1.7	12
81	Distinguishing quasiperiodic dynamics from chaos in short-time series. Physical Review E, 2007, 76, 016210.	2.1	41
82	Characterization of stickiness by means of recurrence. Chaos, 2007, 17, 043101.	2.5	35
83	SHRIMP STRUCTURE AND ASSOCIATED DYNAMICS IN PARAMETRICALLY EXCITED OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 3567-3579.	1.7	25