

# Zhihai Rong

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

2,429  
citations

236612

25  
h-index

205818

48  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of mixing patterns in cooperation on a scale-free networked game. <i>Physical Review E</i> , 2007, 76, 027101.	0.8	299
2	Decentralized Adaptive Pinning Control for Cluster Synchronization of Complex Dynamical Networks. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 394-399.	6.2	241
3	Global stabilization of complex networks with digraph topologies via a local pinning algorithm. <i>Automatica</i> , 2010, 46, 116-121.	3.0	139
4	The evolutionary public goods game on scale-free networks with heterogeneous investment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1273-1280.	1.2	117
5	Diversity of reproduction time scale promotes cooperation in spatial prisoner's dilemma games. <i>Physical Review E</i> , 2009, 80, 036106.	0.8	100
6	Zero-Determinant Strategies in Iterated Public Goods Game. <i>Scientific Reports</i> , 2015, 5, 13096.	1.6	99
7	Effect of the degree correlation in public goods game on scale-free networks. <i>Europhysics Letters</i> , 2009, 87, 30001.	0.7	97
8	Feedback reciprocity mechanism promotes the cooperation of highly clustered scale-free networks. <i>Physical Review E</i> , 2010, 82, 047101.	0.8	83
9	Diversity of timescale promotes the maintenance of extortioners in a spatial prisoner's dilemma game. <i>New Journal of Physics</i> , 2015, 17, 033032.	1.2	80
10	Coveting thy neighbors fitness as a means to resolve social dilemmas. <i>Journal of Theoretical Biology</i> , 2011, 277, 19-26.	0.8	79
11	Coevolution of strategy-selection time scale and cooperation in spatial prisoner's dilemma game. <i>Europhysics Letters</i> , 2013, 102, 68005.	0.7	75
12	Emergence of cooperation through coevolving time scale in spatial prisoner's dilemma. <i>Physical Review E</i> , 2010, 82, 026101.	0.8	74
13	Boosting cooperation by involving extortion in spatial prisoner's dilemma games. <i>Physical Review E</i> , 2014, 90, 062102.	0.8	67
14	Orderliness predicts academic performance: behavioural analysis on campus lifestyle. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180210.	1.5	64
15	Extortion provides alternative routes to the evolution of cooperation in structured populations. <i>Physical Review E</i> , 2017, 95, 052302.	0.8	57
16	Heterogeneous cooperative leadership structure emerging from random regular graphs. <i>Chaos</i> , 2019, 29, 103103.	1.0	48
17	The emergence of cooperation-extortion alliance on scale-free networks with normalized payoff. <i>Europhysics Letters</i> , 2018, 122, 50005.	0.7	47
18	Extortion under uncertainty: Zero-determinant strategies in noisy games. <i>Physical Review E</i> , 2015, 91, 052803.	0.8	44

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19	Mutual punishment promotes cooperation in the spatial public goods game. <i>Chaos, Solitons and Fractals</i> , 2015, 77, 230-234.	2.5	44
20	Peer pressure: Enhancement of cooperation through mutual punishment. <i>Physical Review E</i> , 2015, 91, 022121.	0.8	43
21	Effects of aspiration on public cooperation in structured populations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4043-4049.	1.2	37
22	Proper aspiration level promotes generous behavior in the spatial prisoner's dilemma game. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	35
23	Cooperation percolation in spatial prisoner's dilemma game. <i>New Journal of Physics</i> , 2014, 16, 013010.	1.2	32
24	Impact of heterogeneous activity and community structure on the evolutionary success of cooperators in social networks. <i>Physical Review E</i> , 2015, 91, 012802.	0.8	31
25	Effects of enhancement level on evolutionary public goods game with payoff aspirations. <i>Applied Mathematics and Computation</i> , 2019, 350, 242-248.	1.4	30
26	Timescale diversity facilitates the emergence of cooperation-extortion alliances in networked systems. <i>Neurocomputing</i> , 2019, 350, 195-201.	3.5	27
27	The Bipartite Consensus for Multi-Agent Systems With Matrix-Weight-Based Signed Network. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 2019-2023.	2.2	26
28	Effects of diverse inertia on scale-free networked prisoner's dilemma games. <i>Europhysics Letters</i> , 2010, 91, 20002.	0.7	24
29	Diverse roles of the reduced learning ability of players in the evolution of cooperation. <i>Europhysics Letters</i> , 2015, 110, 30002.	0.7	22
30	Correlation between social proximity and mobility similarity. <i>Scientific Reports</i> , 2017, 7, 11975.	1.6	22
31	Environmental Homogenization or Heterogenization? The Effects of Globalization on Carbon Dioxide Emissions, 1970-2014. <i>Sustainability</i> , 2019, 11, 2752.	1.6	20
32	Effects of degree correlation on the controllability of networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6225-6230.	1.2	18
33	The prisoner's dilemma in structured scale-free networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 245002.	0.7	18
34	Effect of collective influence on the evolution of cooperation in evolutionary prisoner's dilemma games. <i>Applied Mathematics and Computation</i> , 2021, 392, 125679.	1.4	18
35	Optimal topologies for maximizing network transmission capacity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 495, 191-201.	1.2	15
36	The different cooperative behaviors on a kind of scale-free networks with identical degree sequence. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 91-95.	2.5	14

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37	Analysis of Q-Learning Like Algorithms Through Evolutionary Game Dynamics. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2463-2467.	2.2	11
38	EFFECTS OF HETEROGENEOUS INFLUENCE OF INDIVIDUALS ON THE GLOBAL CONSENSUS. International Journal of Modern Physics C, 2010, 21, 1011-1019.	0.8	10
39	Diverse strategy-learning styles promote cooperation in evolutionary spatial prisoner's dilemma game. Europhysics Letters, 2015, 112, 48005.	0.7	10
40	The influence of extortion diversity on the evolution of cooperation in scale-free networks. , 2016, , .		9
41	Peer pressure and incentive mechanisms in social networks. Europhysics Letters, 2018, 121, 18003.	0.7	8
42	On decentralized adaptive pinning synchronization of complex dynamical networks. , 2010, , .		7
43	Effect of clustering coefficient on cooperation in scale-free public goods game. , 2010, , .		7
44	Development rules of inter-turn partial discharge defects on oil-paper insulation. , 2013, , .		7
45	Community structure promotes the emergence of persistence behavior in social networks. , 2015, , .		6
46	Evolution of the Internet at the autonomous system level. , 2015, , .		5
47	Bifurcation in Transmission Networks Under Variation of Link Capacity. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850093.	0.7	5
48	Promoting collective motion of self-propelled agents by discarding short-range interactions. Physica A: Statistical Mechanics and Its Applications, 2015, 432, 180-186.	1.2	4
49	An intermediate number of neighbors promotes the emergence of generous tit-for-tat players on homogeneous networks. Chaos, Solitons and Fractals, 2013, 56, 154-159.	2.5	3
50	The emergence of scaling laws search dynamics in a particle swarm optimization. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1522-1531.	1.2	3
51	Emergence, Evolution and Scaling of Online Social Networks. PLoS ONE, 2014, 9, e111013.	1.1	3
52	Modeling POI Transition Network of Human Mobility. , 2016, , .		3
53	Dependence of evolutionary cooperation on the additive noise to the enhancement level in the spatial public goods game. Europhysics Letters, 2017, 117, 50008.	0.7	3
54	Short Term Trend Forecast of On-Line Monitoring Data of Dissolved Gas in Power Transformer. , 2018, , .		3

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55	Bounded Rationality Optimizes the Performance of Networked Systems in Prisoner's Dilemma Game. , 2018, , .		3
56	Abnormal identification of dissolved gas in oil monitoring device based on multivariate statistical process monitoring. , 2018, , .		3
57	Extortion Boosts Cooperation through Redistributing Strategies in Assortative Networked Systems. IFAC-PapersOnLine, 2019, 52, 267-271.	0.5	3
58	Effects of strategy-updating cost on evolutionary spatial prisoner's dilemma game. Applied Mathematics and Computation, 2020, 386, 125445.	1.4	3
59	Development of friendship network among young scientists in an international Summer School. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3636-3642.	1.2	2
60	TOPOLOGY PROPERTY AND DYNAMIC BEHAVIOR OF A GROWING SPATIAL NETWORK. International Journal of Modern Physics C, 2011, 22, 333-345.	0.8	2
61	Extortion Strategies with Mutation Promote Cooperation on High Clustered Scale-Free Networks. , 2020, , .		2
62	Optimal Data Selection Rule Mining for Transformer Condition Assessment. IEEE Access, 2021, 9, 156962-156972.	2.6	2
63	Assortative degree-mixing patterns inhibit behavioral diversity of a scale-free structured population in high-mutation situations. Europhysics Letters, 2010, 89, 18006.	0.7	1
64	Differentiated warning of transformer based on data mining techniques. , 2015, , .		1
65	The assess method of validity for partial discharge sensor based on multiple criterion. , 2016, , .		1
66	Promoting Cooperation by Pigouvian tax with peer-information and social mechanism. , 2016, , .		1
67	The assess method of validity for DGA sensor based on multiple criterion. , 2016, , .		1
68	Power transformer condition assessment method based on environment and property analysis. , 2017, , .		1
69	The evolution of automatic control field networks during the half century. , 2017, , .		1
70	Optimal dissolved gas analysis data set selection based on phase space reconstruction. , 2017, , .		1
71	GIS Condition Assessment Method Based on Fuzzy Mathematics Theory. , 2018, , .		1
72	Anomalous State Detection of Dissolved Gases in Transformer Oil Based on the Canopy Hyper Sphere Model. , 2018, , .		1

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73	Coupling diversity across human behavior spaces. Europhysics Letters, 2018, 124, 48001.	0.7	1
74	Zero-determinant Strategies for Three-player in Finitely Repeated Games. , 2018, , .		1
75	Timescales Diversity Induces Influencers to Persist Cooperation on Scale-Free Networks. , 2021, , .		1
76	Evolution of the Physics Citation Network with Motifs. , 2021, , .		1
77	The evolution of extortion strategy in the kagome lattice. International Journal of Modern Physics C, 2020, 31, 2050162.	0.8	1
78	Evolution of the External Owned Account Trading Network on Ethereum. , 2020, , .		1
79	Feedback-control modeling for cellular response mechanisms based on a gene regulatory networks under radiotherapy. , 2009, , .		0
80	Load analysis in correlated scale-free networked systems. , 2010, , .		0
81	The roles of small-world and degree heterogeneity on evolutionary behavior networks. , 2010, , .		0
82	The Emergence of Cooperative Leadership from Homogenous Random Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1977-1981.	0.4	0
83	Roles of average degree for the networked game with generous tit-for-tat strategy. , 2012, , .		0
84	Analysis of influencing factors of Dissolved Gas in oil. , 2016, , .		0
85	The evolution of cooperation with diversity of extortion under the normalized payoff framework on scale-free networks. , 2017, , .		0
86	Condition assessment method of power transformer based on the classification of component and performance. , 2017, , .		0
87	The recognition of dissolved gas abnormality based on high dimensional support vector machine. , 2017, , .		0
88	The Evolution of Submissive Clusters in the Spatial Snowdrift Game. , 2019, , .		0
89	Analyzing Cooperation Dynamics of Group Interaction on Two Kinds of Scale-Free Networks. , 2019, , .		0
90	Strategies Memorizing More Rounds May Promote the Emergence of Cooperation in Stochastic Games. , 2021, , .		0

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91	Evolution of Weighted External Owned Accounts Trading Network on Ethereum. , 2021, , .		0