

# Zhihai Rong

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

2,429  
citations

236925

25  
h-index

206112

48  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Q-Learning Like Algorithms Through Evolutionary Game Dynamics. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2463-2467.	3.0	11
2	Effect of collective influence on the evolution of cooperation in evolutionary prisoner's dilemma games. Applied Mathematics and Computation, 2021, 392, 125679.	2.2	18
3	Timescales Diversity Induces Influencers to Persist Cooperation on Scale-Free Networks. , 2021, , .		1
4	Strategies Memorizing More Rounds May Promote the Emergence of Cooperation in Stochastic Games. , 2021, , .		0
5	Evolution of the Physics Citation Network with Motifs. , 2021, , .		1
6	Evolution of Weighted External Owned Accounts Trading Network on Ethereum. , 2021, , .		0
7	Optimal Data Selection Rule Mining for Transformer Condition Assessment. IEEE Access, 2021, 9, 156962-156972.	4.2	2
8	Extortion Strategies with Mutation Promote Cooperation on High Clustered Scale-Free Networks. , 2020, , .		2
9	Effects of strategy-updating cost on evolutionary spatial prisoner's dilemma game. Applied Mathematics and Computation, 2020, 386, 125445.	2.2	3
10	The Bipartite Consensus for Multi-Agent Systems With Matrix-Weight-Based Signed Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2019-2023.	3.0	26
11	The evolution of extortion strategy in the kagome lattice. International Journal of Modern Physics C, 2020, 31, 2050162.	1.7	1
12	Evolution of the External Owned Account Trading Network on Ethereum. , 2020, , .		1
13	Heterogeneous cooperative leadership structure emerging from random regular graphs. Chaos, 2019, 29, 103103.	2.5	48
14	The Evolution of Submissive Clusters in the Spatial Snowdrift Game. , 2019, , .		0
15	Effects of enhancement level on evolutionary public goods game with payoff aspirations. Applied Mathematics and Computation, 2019, 350, 242-248.	2.2	30
16	Environmental Homogenization or Heterogenization? The Effects of Globalization on Carbon Dioxide Emissions, 1970-2014. Sustainability, 2019, 11, 2752.	3.2	20
17	Analyzing Cooperation Dynamics of Group Interaction on Two Kinds of Scale-Free Networks. , 2019, , .		0
18	Timescale diversity facilitates the emergence of cooperation-extortion alliances in networked systems. Neurocomputing, 2019, 350, 195-201.	5.9	27

#	ARTICLE	IF	CITATIONS
19	Extortion Boosts Cooperation through Redistributing Strategies in Assortative Networked Systems. IFAC-PapersOnLine, 2019, 52, 267-271.	0.9	3
20	Optimal topologies for maximizing network transmission capacity. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 191-201.	2.6	15
21	Peer pressure and incentive mechanisms in social networks. Europhysics Letters, 2018, 121, 18003.	2.0	8
22	GIS Condition Assessment Method Based on Fuzzy Mathematics Theory. , 2018, , .		1
23	Anomalous State Detection of Dissolved Gases in Transformer Oil Based on the Canopy Hyper Sphere Model. , 2018, , .		1
24	Short Term Trend Forecast of On-Line Monitoring Data of Dissolved Gas in Power Transformer. , 2018, , .		3
25	Coupling diversity across human behavior spaces. Europhysics Letters, 2018, 124, 48001.	2.0	1
26	Zero-determinant Strategies for Three-player in Finitely Repeated Games. , 2018, , .		1
27	Orderliness predicts academic performance: behavioural analysis on campus lifestyle. Journal of the Royal Society Interface, 2018, 15, 20180210.	3.4	64
28	Bounded Rationality Optimizes the Performance of Networked Systems in Prisoner's Dilemma Game. , 2018, , .		3
29	Bifurcation in Transmission Networks Under Variation of Link Capacity. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850093.	1.7	5
30	The emergence of cooperation-extortion alliance on scale-free networks with normalized payoff. Europhysics Letters, 2018, 122, 50005.	2.0	47
31	Abnormal identification of dissolved gas in oil monitoring device based on multivariate statistical process monitoring. , 2018, , .		3
32	Dependence of evolutionary cooperation on the additive noise to the enhancement level in the spatial public goods game. Europhysics Letters, 2017, 117, 50008.	2.0	3
33	Power transformer condition assessment method based on environment and property analysis. , 2017, , .		1
34	Correlation between social proximity and mobility similarity. Scientific Reports, 2017, 7, 11975.	3.3	22
35	Extortion provides alternative routes to the evolution of cooperation in structured populations. Physical Review E, 2017, 95, 052302.	2.1	57
36	The evolution of cooperation with diversity of extortion under the normalized payoff framework on scale-free networks. , 2017, , .		0

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37	Condition assessment method of power transformer based on the classification of component and performance. , 2017, , .		0
38	The recognition of dissolved gas abnormality based on high dimensional support vector machine. , 2017, , .		0
39	The evolution of automatic control field networks during the half century. , 2017, , .		1
40	Optimal dissolved gas analysis data set selection based on phase space reconstruction. , 2017, , .		1
41	Proper aspiration level promotes generous behavior in the spatial prisoner's dilemma game. European Physical Journal B, 2016, 89, 1.	1.5	35
42	Modeling POI Transition Network of Human Mobility. , 2016, , .		3
43	Analysis of influencing factors of Dissolved Gas in oil. , 2016, , .		0
44	The assess method of validity for partial discharge sensor based on multiple criterion. , 2016, , .		1
45	The influence of extortion diversity on the evolution of cooperation in scale-free networks. , 2016, , .		9
46	Promoting Cooperation by Pigouvian tax with peer-information and social mechanism. , 2016, , .		1
47	The assess method of validity for DGA sensor based on multiple criterion. , 2016, , .		1
48	Extortion under uncertainty: Zero-determinant strategies in noisy games. Physical Review E, 2015, 91, 052803.	2.1	44
49	Zero-Determinant Strategies in Iterated Public Goods Game. Scientific Reports, 2015, 5, 13096.	3.3	99
50	Diverse roles of the reduced learning ability of players in the evolution of cooperation. Europhysics Letters, 2015, 110, 30002.	2.0	22
51	Evolution of the Internet at the autonomous system level. , 2015, , .		5
52	Diverse strategy-learning styles promote cooperation in evolutionary spatial prisoner's dilemma game. Europhysics Letters, 2015, 112, 48005.	2.0	10
53	Differentiated warning of transformer based on data mining techniques. , 2015, , .		1
54	Peer pressure: Enhancement of cooperation through mutual punishment. Physical Review E, 2015, 91, 022121.	2.1	43

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55	Impact of heterogeneous activity and community structure on the evolutionary success of cooperators in social networks. <i>Physical Review E</i> , 2015, 91, 012802.	2.1	31
56	Community structure promotes the emergence of persistence behavior in social networks. , 2015, , .		6
57	Mutual punishment promotes cooperation in the spatial public goods game. <i>Chaos, Solitons and Fractals</i> , 2015, 77, 230-234.	5.1	44
58	Promoting collective motion of self-propelled agents by discarding short-range interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 432, 180-186.	2.6	4
59	Diversity of timescale promotes the maintenance of extortioners in a spatial prisoner's dilemma game. <i>New Journal of Physics</i> , 2015, 17, 033032.	2.9	80
60	Emergence, Evolution and Scaling of Online Social Networks. <i>PLoS ONE</i> , 2014, 9, e111013.	2.5	3
61	Cooperation percolation in spatial prisoner's dilemma game. <i>New Journal of Physics</i> , 2014, 16, 013010.	2.9	32
62	Boosting cooperation by involving extortion in spatial prisoner's dilemma games. <i>Physical Review E</i> , 2014, 90, 062102.	2.1	67
63	An intermediate number of neighbors promotes the emergence of generous tit-for-tat players on homogeneous networks. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 154-159.	5.1	3
64	The emergence of scaling laws search dynamics in a particle swarm optimization. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1522-1531.	2.6	3
65	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.	5.1	14
66	Development rules of inter-turn partial discharge defects on oil-paper insulation. , 2013, , .		7
67	Coevolution of strategy-selection time scale and cooperation in spatial prisoner's dilemma game. <i>Europhysics Letters</i> , 2013, 102, 68005.	2.0	75
68	Decentralized Adaptive Pinning Control for Cluster Synchronization of Complex Dynamical Networks. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 394-399.	9.5	241
69	Roles of average degree for the networked game with generous tit-for-tat strategy. , 2012, , .		0
70	Effects of aspiration on public cooperation in structured populations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4043-4049.	2.6	37
71	The Emergence of Cooperative Leadership from Homogenous Random Networks. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 1977-1981.	0.4	0
72	Coveting thy neighbors fitness as a means to resolve social dilemmas. <i>Journal of Theoretical Biology</i> , 2011, 277, 19-26.	1.7	79

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73	TOPOLOGY PROPERTY AND DYNAMIC BEHAVIOR OF A GROWING SPATIAL NETWORK. International Journal of Modern Physics C, 2011, 22, 333-345.	1.7	2
74	Effects of diverse inertia on scale-free networked prisoner's dilemma games. Europhysics Letters, 2010, 91, 20002.	2.0	24
75	Global stabilization of complex networks with digraph topologies via a local pinning algorithm. Automatica, 2010, 46, 116-121.	5.0	139
76	The evolutionary public goods game on scale-free networks with heterogeneous investment. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1273-1280.	2.6	117
77	EFFECTS OF HETEROGENEOUS INFLUENCE OF INDIVIDUALS ON THE GLOBAL CONSENSUS. International Journal of Modern Physics C, 2010, 21, 1011-1019.	1.7	10
78	Load analysis in correlated scale-free networked systems. , 2010, , .		0
79	The roles of small-world and degree heterogeneity on evolutionary behavior networks. , 2010, , .		0
80	Assortative degree-mixing patterns inhibit behavioral diversity of a scale-free structured population in high-mutation situations. Europhysics Letters, 2010, 89, 18006.	2.0	1
81	Feedback reciprocity mechanism promotes the cooperation of highly clustered scale-free networks. Physical Review E, 2010, 82, 047101.	2.1	83
82	Emergence of cooperation through coevolving time scale in spatial prisoner's dilemma. Physical Review E, 2010, 82, 026101.	2.1	74
83	On decentralized adaptive pinning synchronization of complex dynamical networks. , 2010, , .		7
84	Effect of clustering coefficient on cooperation in scale-free public goods game. , 2010, , .		7
85	Diversity of reproduction time scale promotes cooperation in spatial prisoner's dilemma games. Physical Review E, 2009, 80, 036106.	2.1	100
86	Effect of the degree correlation in public goods game on scale-free networks. Europhysics Letters, 2009, 87, 30001.	2.0	97
87	The prisoner's dilemma in structured scale-free networks. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 245002.	2.1	18
88	Feedback-control modeling for cellular response mechanisms based on a gene regulatory networks under radiotherapy. , 2009, , .		0
89	Development of friendship network among young scientists in an international Summer School. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3636-3642.	2.6	2
90	Effects of degree correlation on the controllability of networks. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6225-6230.	2.6	18

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91	Roles of mixing patterns in cooperation on a scale-free networked game. Physical Review E, 2007, 76, 027101.	2.1	299