

# Jianlei Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

597  
citations

567144

15  
h-index

713332

21  
g-index

65  
all docs

65  
docs citations

65  
times ranked

337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resolution of the Stochastic Strategy Spatial Prisoner's Dilemma by Means of Particle Swarm Optimization. PLoS ONE, 2011, 6, e21787.	1.1	40
2	Evolution of Interactions and Cooperation in the Spatial Prisoner's Dilemma Game. PLoS ONE, 2011, 6, e26724.	1.1	33
3	The evolution of cooperation in spatial groups. Chaos, Solitons and Fractals, 2011, 44, 131-136.	2.5	32
4	Trajectory planning of load transportation with multi-quadrotors based on reinforcement learning algorithm. Aerospace Science and Technology, 2021, 116, 106887.	2.5	30
5	Changing the Intensity of Interaction Based on Individual Behavior in the Iterated Prisoner's Dilemma Game. IEEE Transactions on Evolutionary Computation, 2017, 21, 506-517.	7.5	26
6	How insurance affects altruistic provision in threshold public goods games. Scientific Reports, 2015, 5, 9098.	1.6	25
7	Evolutionary dynamics of strategies for threshold snowdrift games on complex networks. Knowledge-Based Systems, 2017, 130, 51-61.	4.0	25
8	Evolutionary Game Dynamics of Multiagent Systems on Multiple Community Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4513-4529.	5.9	24
9	Fostering cooperation of selfish agents through public goods in relation to the loners. Physical Review E, 2016, 93, 032320.	0.8	20
10	Elimination mechanism promotes cooperation in coevolutionary prisoner's dilemma games. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4081-4086.	1.2	19
11	Does insurance against punishment undermine cooperation in the evolution of public goods games?. Journal of Theoretical Biology, 2013, 321, 78-82.	0.8	17
12	Crucial role of strategy updating for coexistence of strategies in interaction networks. Physical Review E, 2015, 91, 042101.	0.8	17
13	Different Reactions to Adverse Neighborhoods in Games of Cooperation. PLoS ONE, 2012, 7, e35183.	1.1	16
14	Strategy optimization of weighted networked evolutionary games with switched topologies and threshold. Knowledge-Based Systems, 2022, 235, 107644.	4.0	16
15	A task allocation algorithm for a swarm of unmanned aerial vehicles based on bionic wolf pack method. Knowledge-Based Systems, 2022, 250, 109072.	4.0	16
16	Fixation of strategies driven by switching probabilities in evolutionary games. Europhysics Letters, 2016, 116, 58002.	0.7	15
17	Dynamics of Task Allocation Based on Game Theory in Multi-Agent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1068-1072.	2.2	15
18	Stochastic dynamics of division of labor games in finite populations. Knowledge-Based Systems, 2018, 155, 11-21.	4.0	14

#	ARTICLE	IF	CITATIONS
19	Evolution of cooperation among game players with non-uniform migration scopes. Chaos, Solitons and Fractals, 2014, 59, 103-111.	2.5	13
20	Cooperation enhanced by the "survival of the fittest" rule in prisoner's dilemma games on complex networks. Journal of Theoretical Biology, 2010, 267, 41-47.	0.8	12
21	Punishment in the form of shared cost promotes altruism in the cooperative dilemma games. Journal of Theoretical Biology, 2017, 420, 128-134.	0.8	12
22	Effects of strategy switching and network topology on decision-making in multi-agent systems. International Journal of Systems Science, 2018, 49, 1934-1949.	3.7	12
23	Strategy Competition Dynamics of Multi-Agent Systems in the Framework of Evolutionary Game Theory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 152-156.	2.2	11
24	Study on How Expert and Novice Pilots Can Distribute Their Visual Attention to Improve Flight Performance. IEEE Access, 2021, 9, 44757-44769.	2.6	11
25	Diversity of game strategies promotes the evolution of cooperation in public goods games. Europhysics Letters, 2010, 90, 68005.	0.7	10
26	The evolution of altruism in spatial threshold public goods games via an insurance mechanism. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P05001.	0.9	10
27	Contact-based model for strategy updating and evolution of cooperation. Physica D: Nonlinear Phenomena, 2016, 323-324, 27-34.	1.3	10
28	Swarm splitting and multiple targets seeking in multi-agent dynamic systems. , 2010, , .		8
29	Cooperation in Networks Where the Learning Environment Differs from the Interaction Environment. PLoS ONE, 2014, 9, e90288.	1.1	8
30	Evolutionary games played by multi-agent system with different memory capacity. European Physical Journal B, 2015, 88, 1.	0.6	8
31	Fixation of competing strategies when interacting agents differ in the time scale of strategy updating. Physical Review E, 2016, 94, 032407.	0.8	8
32	Group penalty on the evolution of cooperation in spatial public goods games. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P12004.	0.9	6
33	Length of information-based bidirectional choice in spatial prisoner's dilemma. Applied Mathematics and Computation, 2020, 369, 124837.	1.4	6
34	Evolutionary dynamics in division of labor games on cycle networks. European Journal of Control, 2020, 53, 1-9.	1.6	6
35	The networked cooperative dynamics of adjusting signal strength based on information quantity. Nonlinear Dynamics, 2020, 100, 831-847.	2.7	6
36	The role of emotions in the maintenance of cooperative behaviors. Europhysics Letters, 2014, 106, 18007.	0.7	5

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37	The "self-bad, partner-worse" strategy inhibits cooperation in networked populations. <i>Information Sciences</i> , 2022, 585, 58-69.	4.0	5
38	Evolutionary Dynamics of Strategies without Complete Information on Complex Networks. <i>Asian Journal of Control</i> , 2020, 22, 362-372.	1.9	4
39	Effects of encounter in a population of spatial prisoner's dilemma players. <i>Theoretical Population Biology</i> , 2011, 80, 226-231.	0.5	3
40	Changing intensity of interaction can resolve prisoner's dilemmas. <i>Europhysics Letters</i> , 2016, 113, 58002.	0.7	3
41	Promoting cooperation by setting a ceiling payoff for defectors under three-strategy public good games. <i>International Journal of Systems Science</i> , 2018, 49, 2267-2286.	3.7	3
42	The Networked Division of Labor Game based on Adaptive Dynamics. <i>IFAC-PapersOnLine</i> , 2019, 52, 156-161.	0.5	2
43	Strategy Dynamics with Feedback Control in the Global Climate Dilemma Games*. , 2019, , .		2
44	Evolutionary Game Dynamics Based on Local Intervention in Multi-Agent Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 1293-1297.	2.2	2
45	Degree of satisfaction-based adaptive interaction in spatial Prisoner's dilemma. <i>Nonlinear Dynamics</i> , 2022, 107, 3143-3154.	2.7	2
46	A Distributed Model Predictive Control-Based Method for Multidifferent-Target Search in Unknown Environments. <i>IEEE Transactions on Evolutionary Computation</i> , 2023, 27, 111-125.	7.5	2
47	Cooperation in evolutionary games on complex networks. , 2010, , .		1
48	Evolutionary dynamics and individual heterogeneity in multi-agent networking systems. , 2016, , .		1
49	Evolutionary games with different time scales of strategy updating. , 2017, , .		1
50	Self-organized Task Allocation in a Swarm of E-puck Robots. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 153-160.	0.3	1
51	Co-evolution Dynamics Between Individual Strategy and Gaming Environment Under the Feedback Control. <i>Lecture Notes in Computer Science</i> , 2019, , 451-462.	1.0	1
52	Evolutionary dynamics of individual strategies and game environments in the framework of feedback control. <i>Journal of Information and Telecommunication</i> , 2020, 4, 363-382.	2.2	1
53	MiTU-Net: An Efficient Mix Transformer U-like Network for Forward-looking Sonar Image Segmentation. , 2022, , .		1
54	Coevolution of strategy and structure on social networks. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
55	Cooperation with potential leaders in evolutionary game study of networking agents. , 2014, , .		0
56	Collective Actions in Three Types of Continuous Public Goods Games in Spatial Networks. Lecture Notes in Computer Science, 2017, , 677-688.	1.0	0
57	Strategy evolution driven by switching probabilities in structured multi-agent systems. International Journal of Systems Science, 2017, 48, 2692-2702.	3.7	0
58	The coordination behaviors of robots in the framework of evolutionary game theory. , 2017, , .		0
59	Evolutionary Games and Distributed Decision-Making in a Multi-agent System for Formation Control. , 2021, , .		0
60	Discrimination of unknown complex network based on the information of local nodes. , 2021, , .		0
61	EVOLUTION OF COOPERATION DRIVEN BY CHANGING INTENSITY OF INTERACTION IN SMALL-WORLD NETWORK. , 2016, , .		0
62	Decision Making in Multi-agent Systems Based on the Evolutionary Game with Switching Probabilities. Lecture Notes in Electrical Engineering, 2018, , 113-129.	0.3	0
63	Event-Triggered Control for Weighted Networked Evolutionary Games With Threshold. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3515-3519.	2.2	0
64	ARIMA and RNN for Selection Sequences Prediction in Iowa Gambling Task. , 2022, , .		0
65	Complete-Coverage Path Planning Algorithm of Multiple Mobile Robots Based on Reliability Functions. , 2022, , .		0