

Jianlei Zhang

List of Publications by Year in descending order

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65
papers

597
citations

567144

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65
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	A Distributed Model Predictive Control-Based Method for Multidifferent-Target Search in Unknown Environments. IEEE Transactions on Evolutionary Computation, 2023, 27, 111-125.	7.5	2
2	Strategy optimization of weighted networked evolutionary games with switched topologies and threshold. Knowledge-Based Systems, 2022, 235, 107644.	4.0	16
3	The "self-bad, partner-worse" strategy inhibits cooperation in networked populations. Information Sciences, 2022, 585, 58-69.	4.0	5
4	Degree of satisfaction-based adaptive interaction in spatial Prisoner's dilemma. Nonlinear Dynamics, 2022, 107, 3143-3154.	2.7	2
5	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
6	ARIMA and RNN for Selection Sequences Prediction in Iowa Gambling Task. , 2022, , .		0
7	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
8	Complete-Coverage Path Planning Algorithm of Multiple Mobile Robots Based on Reliability Functions. , 2022, , .		0
9	MiTU-Net: An Efficient Mix Transformer U-like Network for Forward-looking Sonar Image Segmentation. , 2022, , .		1
10	Evolutionary Game Dynamics Based on Local Intervention in Multi-Agent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1293-1297.	2.2	2
11	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
12	Evolutionary Games and Distributed Decision-Making in a Multi-agent System for Formation Control. , 2021, , .		0
13	Trajectory planning of load transportation with multi-quadrotors based on reinforcement learning algorithm. Aerospace Science and Technology, 2021, 116, 106887.	2.5	30
14	Discrimination of unknown complex network based on the information of local nodes. , 2021, , .		0
15	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
16	Evolutionary Dynamics of Strategies without Complete Information on Complex Networks. Asian Journal of Control, 2020, 22, 362-372.	1.9	4
17	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
18	Length of information-based bidirectional choice in spatial prisoner's dilemma. Applied Mathematics and Computation, 2020, 369, 124837.	1.4	6

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19	Evolutionary dynamics in division of labor games on cycle networks. <i>European Journal of Control</i> , 2020, 53, 1-9.	1.6	6
20	The networked cooperative dynamics of adjusting signal strength based on information quantity. <i>Nonlinear Dynamics</i> , 2020, 100, 831-847.	2.7	6
21	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
22	Dynamics of Task Allocation Based on Game Theory in Multi-Agent Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 1068-1072.	2.2	15
23	The Networked Division of Labor Game based on Adaptive Dynamics. <i>IFAC-PapersOnLine</i> , 2019, 52, 156-161.	0.5	2
24	Strategy Dynamics with Feedback Control in the Global Climate Dilemma Games*. , 2019, , .		2
25	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
26	Stochastic dynamics of division of labor games in finite populations. <i>Knowledge-Based Systems</i> , 2018, 155, 11-21.	4.0	14
27	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
28	Effects of strategy switching and network topology on decision-making in multi-agent systems. <i>International Journal of Systems Science</i> , 2018, 49, 1934-1949.	3.7	12
29	Decision Making in Multi-agent Systems Based on the Evolutionary Game with Switching Probabilities. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 113-129.	0.3	0
30	Self-organized Task Allocation in a Swarm of E-puck Robots. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 153-160.	0.3	1
31	Evolutionary dynamics of strategies for threshold snowdrift games on complex networks. <i>Knowledge-Based Systems</i> , 2017, 130, 51-61.	4.0	25
32	Punishment in the form of shared cost promotes altruism in the cooperative dilemma games. <i>Journal of Theoretical Biology</i> , 2017, 420, 128-134.	0.8	12
33	Evolutionary games with different time scales of strategy updating. , 2017, , .		1
34	Collective Actions in Three Types of Continuous Public Goods Games in Spatial Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 677-688.	1.0	0
35	Strategy evolution driven by switching probabilities in structured multi-agent systems. <i>International Journal of Systems Science</i> , 2017, 48, 2692-2702.	3.7	0
36	Changing the Intensity of Interaction Based on Individual Behavior in the Iterated Prisoner's Dilemma Game. <i>IEEE Transactions on Evolutionary Computation</i> , 2017, 21, 506-517.	7.5	26

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37	The coordination behaviors of robots in the framework of evolutionary game theory. , 2017, , .		0
38	Changing intensity of interaction can resolve prisoner's dilemmas. Europhysics Letters, 2016, 113, 58002.	0.7	3
39	Fixation of strategies driven by switching probabilities in evolutionary games. Europhysics Letters, 2016, 116, 58002.	0.7	15
40	Evolutionary dynamics and individual heterogeneity in multi-agent networking systems. , 2016, , .		1
41	Fixation of competing strategies when interacting agents differ in the time scale of strategy updating. Physical Review E, 2016, 94, 032407.	0.8	8
42	Fostering cooperation of selfish agents through public goods in relation to the loners. Physical Review E, 2016, 93, 032320.	0.8	20
43	Contact-based model for strategy updating and evolution of cooperation. Physica D: Nonlinear Phenomena, 2016, 323-324, 27-34.	1.3	10
44	EVOLUTION OF COOPERATION DRIVEN BY CHANGING INTENSITY OF INTERACTION IN SMALL-WORLD NETWORK. , 2016, , .		0
45	How insurance affects altruistic provision in threshold public goods games. Scientific Reports, 2015, 5, 9098.	1.6	25
46	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
47	Evolutionary games played by multi-agent system with different memory capacity. European Physical Journal B, 2015, 88, 1.	0.6	8
48	Crucial role of strategy updating for coexistence of strategies in interaction networks. Physical Review E, 2015, 91, 042101.	0.8	17
49	Cooperation in Networks Where the Learning Environment Differs from the Interaction Environment. PLoS ONE, 2014, 9, e90288.	1.1	8
50	Cooperation with potential leaders in evolutionary game study of networking agents. , 2014, , .		0
51	The role of emotions in the maintenance of cooperative behaviors. Europhysics Letters, 2014, 106, 18007.	0.7	5
52	Evolution of cooperation among game players with non-uniform migration scopes. Chaos, Solitons and Fractals, 2014, 59, 103-111.	2.5	13
53	Does insurance against punishment undermine cooperation in the evolution of public goods games?. Journal of Theoretical Biology, 2013, 321, 78-82.	0.8	17
54	Different Reactions to Adverse Neighborhoods in Games of Cooperation. PLoS ONE, 2012, 7, e35183.	1.1	16

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55	Resolution of the Stochastic Strategy Spatial Prisoner's Dilemma by Means of Particle Swarm Optimization. PLoS ONE, 2011, 6, e21787.	1.1	40
56	Evolution of Interactions and Cooperation in the Spatial Prisoner's Dilemma Game. PLoS ONE, 2011, 6, e26724.	1.1	33
57	Effects of encounter in a population of spatial prisoner's dilemma players. Theoretical Population Biology, 2011, 80, 226-231.	0.5	3
58	The evolution of cooperation in spatial groups. Chaos, Solitons and Fractals, 2011, 44, 131-136.	2.5	32
59	Diversity of game strategies promotes the evolution of cooperation in public goods games. Europhysics Letters, 2010, 90, 68005.	0.7	10
60	Elimination mechanism promotes cooperation in coevolutionary prisoner's dilemma games. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4081-4086.	1.2	19
61	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
62	Coevolution of strategy and structure on social networks. , 2010, , .		0
63	Swarm splitting and multiple targets seeking in multi-agent dynamic systems. , 2010, , .		8
64	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
65	Cooperation in evolutionary games on complex networks. , 2010, , .		1