Minjie Zhang

List of Publications by Year
in descending order

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		361413	330143
131	1,671	20	37
papers	citations	h-index	g-index

146	146	146	1869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A belief propagation-based method for task allocation in open and dynamic cloud environments. Knowledge-Based Systems, 2017, 115, 123-132.	7.1	184
2	A Survey of Self-Organization Mechanisms in Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 441-461.	9.3	110
3	A Self-Adaptive Sleep/Wake-Up Scheduling Approach for Wireless Sensor Networks. IEEE Transactions on Cybernetics, 2018, 48, 979-992.	9.5	97
4	Conceptual Design of A Multi-Agent System for Interconnected Power Systems Restoration. IEEE Transactions on Power Systems, 2012, 27, 732-740.	6.5	84
5	A Multi-Agent Solution to Distribution System Management by Considering Distributed Generators. IEEE Transactions on Power Systems, 2013, 28, 1442-1451.	6.5	79
6	A Hybrid Multiagent Framework With Q-Learning for Power Grid Systems Restoration. IEEE Transactions on Power Systems, 2011, 26, 2434-2441.	6.5	70
7	Distributed Multiagent Coordinated Learning for Autonomous Driving in Highways Based on Dynamic Coordination Graphs. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 735-748.	8.0	63
8	Self-Adaptation-Based Dynamic Coalition Formation in a Distributed Agent Network: A Mechanism and a Brief Survey. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1042-1051.	5.6	56
9	A Multi-Agent Framework for Packet Routing in Wireless Sensor Networks. Sensors, 2015, 15, 10026-10047.	3.8	51
10	KEMNAD: A KNOWLEDGE ENGINEERING METHODOLOGY FOR NEGOTIATING AGENT DEVELOPMENT. Computational Intelligence, 2012, 28, 51-105.	3.2	47
11	Emotional Multiagent Reinforcement Learning in Spatial Social Dilemmas. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3083-3096.	11.3	42
12	Multiagent Learning of Coordination in Loosely Coupled Multiagent Systems. IEEE Transactions on Cybernetics, 2015, 45, 2853-2867.	9.5	41
13	Adaptive conceding strategies for automated trading agents in dynamic, open markets. Decision Support Systems, 2009, 46, 704-716.	5.9	39
14	Collective Learning for the Emergence of Social Norms in Networked Multiagent Systems. IEEE Transactions on Cybernetics, 2014, 44, 2342-2355.	9.5	37
15	Trustworthy Stigmergic Service Compositionand Adaptation in Decentralized Environments. IEEE Transactions on Services Computing, 2016, 9, 317-329.	4.6	33
16	Multi-Objective Service Composition Using Reinforcement Learning. Lecture Notes in Computer Science, 2013, , 298-312.	1.3	32
17	A single issue negotiation model for agents bargaining in dynamic electronic markets. Decision Support Systems, 2014, 60, 55-67.	5.9	25
18	Self-organization in an agent network: A mechanism and a potential application. Decision Support Systems, 2012, 53, 406-417.	5.9	24

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19	Bayesian-based preference prediction in bilateral multi-issue negotiation between intelligent agents. Knowledge-Based Systems, 2015, 84, 108-120.	7.1	22
20	A robust trust model for service-oriented systems. Journal of Computer and System Sciences, 2013, 79, 596-608.	1.2	20
21	P2P Distributed Intrusion Detections by Using Mobile Agents. , 2008, , .		19
22	Bilateral single-issue negotiation model considering nonlinear utility and time constraint. Decision Support Systems, 2014, 60, 29-38.	5.9	19
23	An Auction-Based Approach for Group Task Allocation in an Open Network Environment. Computer Journal, 2016, 59, 403-422.	2.4	19
24	A Self-Adaptive Strategy for Evolution of Cooperation in Distributed Networks. IEEE Transactions on Computers, 2015, 64, 899-911.	3.4	17
25	An Adaptive Bilateral Negotiation Model Based on Bayesian Learning. Studies in Computational Intelligence, 2013, , 75-93.	0.9	16
26	Potential cases, methodologies, and strategies of synthesis of solutions in distributed expert systems. IEEE Transactions on Knowledge and Data Engineering, 1999, 11, 498-503.	5.7	14
27	Cloning, Resource Exchange, and RelationAdaptation: An Integrative Self-Organisation Mechanism in a Distributed Agent Network. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 887-897.	5.6	14
28	Decentralised dispatch of distributed energy resources in smart grids via multi-agent coalition formation. Journal of Parallel and Distributed Computing, 2015, 83, 30-43.	4.1	14
29	A hybrid-learning based broker model for strategic power trading in smart grid markets. Knowledge-Based Systems, 2017, 119, 142-151.	7.1	14
30	Learning Customer Behaviors for Effective Load Forecasting. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 938-951.	5.7	14
31	Automated Influence Maintenance in Social Networks: An Agent-based Approach. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1884-1897.	5.7	14
32	Online Sequential Extreme Learning Machine Algorithm for Better Predispatch Electricity Price Forecasting Grids. IEEE Transactions on Industry Applications, 2021, 57, 1860-1871.	4.9	13
33	Multi-period data driven control strategy for real-time management of energy storages in virtual power plants integrated with power grid. International Journal of Electrical Power and Energy Systems, 2020, 118, 105747.	5.5	11
34	Learning Efficient Compositions for QoS-Aware Service Provisioning. , 2014, , .		10
35	A Multi-agent System for Modelling Preference-Based Complex Influence Diffusion in Social Networks. Computer Journal, 2019, 62, 430-447.	2.4	10
36	An Agent-based Peer-to-Peer Grid Computing Architecture. , 2005, , .		9

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37	PBTrust: A Priority-Based Trust Model for Service Selection in General Service-Oriented Environments. , 2010, , .		9
38	Coordination for dynamic weighted task allocation in disaster environments with time, space and communication constraints. Journal of Parallel and Distributed Computing, 2016, 97, 47-56.	4.1	9
39	A Judicious Decision-Making Approach for Power Dispatch in Smart Grid Using a Multiobjective Evolutionary Algorithm Based on Decomposition. IEEE Transactions on Industry Applications, 2020, 56, 1918-1929.	4.9	9
40	A Tensor-Based Approach for the QoS Evaluation in Service-Oriented Environments. IEEE Transactions on Network and Service Management, 2021, 18, 3843-3857.	4.9	8
41	Market-driven agents with uncertain and dynamic outside options. , 2007, , .		7
42	Agent-Based Influence Propagation in Social Networks. , 2016, , .		7
43	A Concurrent Multiple Negotiation Protocol Based on Colored Petri Nets. IEEE Transactions on Cybernetics, 2017, 47, 3692-3705.	9.5	7
44	An Economic Model-Based Matching Approach Between Buyers and Sellers Through a Broker in an Open E-Marketplace. Journal of Systems Science and Systems Engineering, 2018, 27, 156-179.	1.6	7
45	Case-Based Trust Evaluation from Provenance Information. , 2011, , .		6
46	Ambiguous games played by players with ambiguity aversion and minimax regret. Knowledge-Based Systems, 2014, 70, 167-176.	7.1	6
47	A Case-based Reasoning Approach for Automated Facilitation in Online Discussion Systems. , 2018, , .		6
48	Predicting Partnersâ€™ Behaviors in Negotiation by Using Regression Analysis. , 2007, , 165-176.		6
49	Emotional Multiagent Reinforcement Learning in Social Dilemmas. Lecture Notes in Computer Science, 2013, , 372-387.	1.3	6
50	A Coloured Petri Net Based Strategy for Multi-Agent Scheduling. , 0, , .		5
51	Two-stage statistical language models for text database selection. Information Retrieval, 2006, 9, 5-31.	2.0	5
52	A Fuzzy-Based Approach for Partner Selection in Multi-Agent Systems. , 2007, , .		5
53	Prediction of Partners' Behaviors in Agent Negotiation under Open and Dynamic Environments. , 2007, , .		5
54	Expert discovery and knowledge mining in complex multi-agent systems. Journal of Systems Science and Systems Engineering, 2007, 16, 222-234.	1.6	5

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55	Secure Mobile Agents with Designated Hosts. , 2009, , .		5
56	Coordinated learning by exploiting sparse interaction in multiagentâ€‰systems. Concurrency Computation Practice and Experience, 2014, 26, 51-70.	2.2	5
57	A negotiationâ€based method for task allocation with time constraints in open grid environments. Concurrency Computation Practice and Experience, 2015, 27, 735-761.	2.2	5
58	Online Sequential Extreme Learning Machine Algorithm for Better Prediction of the Real-time Electricity Price under Dynamic Environmental Changes. , 2019, , .		5
59	An Innovative Approach for the Short-term Traffic Flow Prediction. Journal of Systems Science and Systems Engineering, 2021, 30, 519-532.	1.6	5
60	Social influence minimization based on context-aware multiple influences diffusion model. Knowledge-Based Systems, 2021, 227, 107233.	7.1	5
61	GTrust: An Innovated Trust Model for Group Services Selection in Web-Based Service-Oriented Environments. Lecture Notes in Computer Science, 2011, , 306-313.	1.3	5
62	A Parallel, Multi-issue Negotiation Model in Dynamic E-Markets. Lecture Notes in Computer Science, 2011, , 442-451.	1.3	5
63	Dynamic Team Forming in Self-interested Multi-agent Systems. Lecture Notes in Computer Science, 2005, , 674-683.	1.3	4
64	An Efficient Task Allocation Protocol for P2P Multi-agent Systems. , 2009, , .		4
65	Attribute-based authentication for multi-agent systems with dynamic groups. Computer Communications, 2011, 34, 436-446.	5.1	4
66	GongBroker: A Broker Model for Power Trading in Smart Grid Markets. , 2015, , .		4
67	Dynamic Task Allocation for Heterogeneous Agents in Disaster Environments Under Time, Space and Communication Constraints. Computer Journal, 2015, 58, 1776-1791.	2.4	4
68	A dynamic evolutionary strategy for time ahead energy storage management in microgrid. , 2016, , .		4
69	Trust-based group services selection in web-based service-oriented environments. World Wide Web, 2016, 19, 807-832.	4.0	4
70	Collaborative Agents for Complex Problems Solving. Intelligent Systems Reference Library, 2009, , 361-399.	1.2	4
71	Optimization of Multiple Related Negotiation through Multi-Negotiation Network. Lecture Notes in Computer Science, 2010, , 174-185.	1.3	4
72	A Wireless Mobile Robots Deployment Approach for Maximising the Coverage of Important Locations in Disaster Rescues. , 2015, , .		3

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73	An intelligent agentâ€based method for task allocation in competitive cloud environments. Concurrency Computation Practice and Experience, 2018, 30, e4178.	2.2	3
74	A Parallel Evolutionary Strategy for the Large-Scale Dynamic Optimal Reactive Power Flow. , 2020, , .		3
75	A Case-based Reasoning Approach for Supporting Facilitation in Online Discussions. Group Decision and Negotiation, 2021, 30, 719-742.	3.3	3
76	A Group Task Allocation Strategy in Open and Dynamic Grid Environments. Studies in Computational Intelligence, 2016, , 121-139.	0.9	3
77	Bilateral Single-Issue Negotiation Model Considering Nonlinear Utility and Time Constraint. Studies in Computational Intelligence, 2012, , 21-37.	0.9	3
78	A Dynamic, Optimal Approach for Multi-Issue Negotiation Under Time Constraints. Studies in Computational Intelligence, 2014, , 85-108.	0.9	3
79	Rational constraints for fusion methods in metasearch engine systems. International Journal of Intelligent Systems, 2004, 19, 177-190.	5.7	2
80	Ontology-Based Resource Descriptions for Distributed Information Sources. , 0, , .		2
81	Using colored petri nets to predict future states in agent-based scheduling and planning systems. Multiagent and Grid Systems, 2010, 6, 527-542.	0.9	2
82	Secure mobile agents with controlled resources. Concurrency Computation Practice and Experience, 2011, 23, 1348-1366.	2.2	2
83	Comprehensive Influence Propagation Modelling for Hybrid Social Network. Lecture Notes in Computer Science, 2016, , 597-608.	1.3	2
84	A Concurrent Multiple Negotiation Mechanism Under Consideration of a Dynamic Negotiation Environment. Lecture Notes in Computer Science, 2016, , 779-792.	1.3	2
85	A Case-Based Reasoning Approach for Facilitating Online Discussions. Lecture Notes in Computer Science, 2019, , 582-592.	1.3	2
86	Agent-Based Grid Computing. Studies in Computational Intelligence, 2008, , 439-483.	0.9	2
87	A Hybrid Multi-Agent Framework for Load Management in Power Grid Systems. Studies in Computational Intelligence, 2010, , 129-143.	0.9	2
88	Coordinating Agent Interactions Under Open Environments. Computational Intelligence and Its Applications Series, 2006, , 52-67.	0.2	2
89	Coordinated Learning for Loosely Coupled Agents with Sparse Interactions. Lecture Notes in Computer Science, 2011, , 392-401.	1.3	2
90	Neural network strategies for solving synthesis problems in non-conflict cases in distributed expert systems. Lecture Notes in Computer Science, 1996, , 174-188.	1.3	2

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91	Preference Aware Influence Maximization. Studies in Computational Intelligence, 2017, , 153-164.	0.9	2
92	Prediction of Partners' Behaviors in Agent Negotiation under Open and Dynamic Environments. , 2007, , .		1
93	Ontology-Based Knowledge Representation for a P2P Multi-agent Distributed Intrusion Detection System. , 2008, , .		1
94	Special issue on negotiation and scheduling mechanisms for multiagent systems. Multiagent and Grid Systems, 2008, 4, 1-3.	0.9	1
95	Discovery of Core-Nodes in Event-Based Social Networks. , 2009, , .		1
96	A time-driven adaptive mecahnism for cloud resource allocation. , 2011, , .		1
97	Expectation of trading agent behaviour in negotiation of electronic marketplace. Web Intelligence and Agent Systems, 2012, 10, 49-63.	0.4	1
98	Prediction of the Opponentâ€™s Preference in Bilateral Multi-issue Negotiation Through Bayesian Learning. Studies in Computational Intelligence, 2016, , 3-20.	0.9	1
99	An Adaptive Procedure for Settling Multiple Issues in Bilateral Negotiation with Time Constraints. , 2016, , .		1
100	Decision Making for Environmental/Economic Dispatch Based on Optimal Power Flow. , 2018, , .		1
101	A Cyclical Social Learning Strategy for Robust Convention Emergence. , 2018, , .		1
102	Multi-agent-based System to Model and Simulate the Emergency Response in Metropolis. , 2019, , .		1
103	Quantitative Verification for Monitoring Event-Streaming Systems. IEEE Transactions on Software Engineering, 2022, 48, 538-550.	5.6	1
104	CPN-Based State Analysis and Prediction for Multi-agent Scheduling and Planning. Studies in Computational Intelligence, 2009, , 161-176.	0.9	1
105	A Market-Based Multi-Issue Negotiation Model Considering Multiple Preferences in Dynamic E-Marketplaces. Lecture Notes in Computer Science, 2009, , 1-16.	1.3	1
106	DGF: Decentralized Group Formation for Task Allocation in Complex Adaptive Systems. Studies in Computational Intelligence, 2010, , 3-19.	0.9	1
107	Stigmergic Modeling for Web Service Composition and Adaptation. Lecture Notes in Computer Science, 2012, , 324-334.	1.3	1
108	A Study on the Evolution of Cooperation in Networks. Lecture Notes in Computer Science, 2013, , 285-298.	1.3	1

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109	A case-based strategy for solution synthesis among cooperative expert systems. Lecture Notes in Computer Science, 1998, , 231-240.	1.3	1
110	A Multiagent-Based Domain Transportation Approach for Optimal Resource Allocation in Emergency Management. Studies in Computational Intelligence, 2017, , 19-32.	0.9	1
111	Opponent Modeling with Information Adaptation (OMIA) in Automated Negotiations. Lecture Notes in Computer Science, 2017, , 21-35.	1.3	1
112	Three possible approaches for solution synthesis in distributed expert systems. , 0, , .		0
113	Identifying potential synthesis cases in distributed expert systems: a fuzzy logic approach. Knowledge-Based Systems, 2001, 14, 359-365.	7.1	0
114	A flexible and reasonable mechanism for self-interested agent team forming. Multiagent and Grid Systems, 2008, 4, 85-101.	0.9	0
115	Special Issue on Advances in Agent-mediated Automated Negotiations. Multiagent and Grid Systems, 2010, 6, 401-402.	0.9	0
116	Community Discovery for Knowledge Collaborations in Collective intelligence Systems. Journal of Information Processing, 2014, 22, 243-252.	0.4	0
117	A Broker-Based Optimal Matching Approach of Buyers and Sellers for Multi-attribute Exchanges in Open Markets. , 2015, , .		0
118	An Innovative Approach for Ad Hoc Network Establishment in Disaster Environments by the Deployment of Wireless Mobile Agents. ACM Transactions on Autonomous and Adaptive Systems, 2019, 13, 1-22.	0.8	0
119	Two Mathematical Programming-Based Approaches for Wireless Mobile Robot Deployment in Disaster Environments. Computer Journal, 2019, 62, 905-918.	2.4	0
120	A Fuzzy Logic-Based Approach for Flexible Self-Interested Agent Team Forming. Studies in Computational Intelligence, 2008, , 101-113.	0.9	0
121	Optimal Multi-issue Negotiation in Open and Dynamic Environments. Lecture Notes in Computer Science, 2008, , 321-332.	1.3	0
122	The Prediction of Partnersâ€™ Behaviors in Self-interested Agents. Studies in Computational Intelligence, 2009, , 1-20.	0.9	0
123	Self-organisation in an Agent Network via Multiagent Q-Learning. Lecture Notes in Computer Science, 2010, , 14-26.	1.3	0
124	A Regression-Based Approach for Improving the Association Rule Mining through Predicting the Number of Rules on General Datasets. Lecture Notes in Computer Science, 2012, , 229-240.	1.3	0
125	An Innovative Approach for Predicting Both Negotiation Deadline and Utility in Multi-issue Negotiation. Lecture Notes in Computer Science, 2014, , 1076-1088.	1.3	0
126	Membership Function Based Matching Approach of Buyers and Sellers Through a Broker in Open E-Marketplace. Studies in Computational Intelligence, 2017, , 125-137.	0.9	0

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127	A Negotiation-Based Model for Policy Generation. Studies in Computational Intelligence, 2017, , 101-119.	0.9	0
128	A Concurrent Interdependent Service Level Agreement Negotiation Protocol in Dynamic Service-Oriented Computing Environments. Lecture Notes in Computer Science, 2017, , 132-147.	1.3	0
129	Determining the Applicability of Advice for Efficient Multi-Agent Reinforcement Learning. Lecture Notes in Computer Science, 2018, , 343-351.	1.3	0
130	Helping an Agent Reach a Different Goal by Action Transfer in Reinforcement Learning. Lecture Notes in Computer Science, 2019, , 15-27.	1.3	0
131	Identifying and breaking necessary constraints to web-based metacomputing. , 0, , .		0