

# Nicholas R Jennings

## List of Publications by Year in descending order

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322  
papers

29,115  
citations

16437

64  
h-index

6643

156  
g-index

335  
all docs

335  
docs citations

335  
times ranked

10661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent agents: theory and practice. Knowledge Engineering Review, 1995, 10, 115-152.	2.1	4,506
2	A Roadmap of Agent Research and Development. Autonomous Agents and Multi-Agent Systems, 1998, 1, 7-38.	1.3	1,304
3	The Gaia Methodology for Agent-Oriented Analysis and Design. Autonomous Agents and Multi-Agent Systems, 2000, 3, 285-312.	1.3	1,264
4	On agent-based software engineering. Artificial Intelligence, 2000, 117, 277-296.	3.9	1,173
5	Automated Negotiation: Prospects, Methods and Challenges. Group Decision and Negotiation, 2001, 10, 199-215.	2.0	1,002
6	Developing multiagent systems. ACM Transactions on Software Engineering and Methodology, 2003, 12, 317-370.	4.8	944
7	Negotiation decision functions for autonomous agents. Robotics and Autonomous Systems, 1998, 24, 159-182.	3.0	909
8	An agent-based approach for building complex software systems. Communications of the ACM, 2001, 44, 35-41.	3.3	816
9	An integrated trust and reputation model for open multi-agent systems. Autonomous Agents and Multi-Agent Systems, 2006, 13, 119-154.	1.3	560
10	Machine behaviour. Nature, 2019, 568, 477-486.	13.7	536
11	Using similarity criteria to make issue trade-offs in automated negotiations. Artificial Intelligence, 2002, 142, 205-237.	3.9	514
12	Trust in multi-agent systems. Knowledge Engineering Review, 2004, 19, 1-25.	2.1	499
13	Agents that reason and negotiate by arguing. Journal of Logic and Computation, 1998, 8, 261-292.	0.5	485
14	Agent theories, architectures, and languages: A survey. Lecture Notes in Computer Science, 1995, , 1-39.	1.0	469
15	Putting the 'smarts' into the smart grid. Communications of the ACM, 2012, 55, 86-97.	3.3	421
16	Controlling cooperative problem solving in industrial multi-agent systems using joint intentions. Artificial Intelligence, 1995, 75, 195-240.	3.9	414
17	Argumentation-based negotiation. Knowledge Engineering Review, 2003, 18, 343-375.	2.1	385
18	TRAVOS: Trust and Reputation in the Context of Inaccurate Information Sources. Autonomous Agents and Multi-Agent Systems, 2006, 12, 183-198.	1.3	382

#	ARTICLE	IF	CITATIONS
19	Commitments and conventions: The foundation of coordination in multi-agent systems. Knowledge Engineering Review, 1993, 8, 223-250.	2.1	323
20	A Classification Scheme for Negotiation in Electronic Commerce. Group Decision and Negotiation, 2003, 12, 31-56.	2.0	302
21	On agent-mediated electronic commerce. IEEE Transactions on Knowledge and Data Engineering, 2003, 15, 985-1003.	4.0	301
22	An agenda-based framework for multi-issue negotiation. Artificial Intelligence, 2004, 152, 1-45.	3.9	301
23	A fuzzy constraint based model for bilateral, multi-issue negotiations in semi-competitive environments. Artificial Intelligence, 2003, 148, 53-102.	3.9	268
24	A methodology for agent-oriented analysis and design. , 1999, , .		258
25	Autonomous agents for business process management. Applied Artificial Intelligence, 2000, 14, 145-189.	2.0	246
26	Computational-mechanism design: a call to arms. IEEE Intelligent Systems, 2003, 18, 40-47.	4.0	234
27	Agent-based control systems: Why are they suited to engineering complex systems?. IEEE Control Systems, 2003, 23, 61-73.	1.0	212
28	An Agent-Based Approach to Virtual Power Plants of Wind Power Generators and Electric Vehicles. IEEE Transactions on Smart Grid, 2013, 4, 1314-1322.	6.2	202
29	Desire: Modelling Multi-Agent Systems in a Compositional Formal Framework. International Journal of Cooperative Information Systems, 1997, 06, 67-94.	0.6	191
30	The cooperative problem-solving process. Journal of Logic and Computation, 1999, 9, 563-592.	0.5	186
31	Agent-Oriented Software Engineering. Lecture Notes in Computer Science, 1999, , 1-7.	1.0	176
32	The Semantic Grid: Past, Present, and Future. Proceedings of the IEEE, 2005, 93, 669-681.	16.4	167
33	Multiagent Systems for Manufacturing Control. Springer Series on Agent Technology, 2004, , .	0.3	155
34	Pitfalls of agent-oriented development. , 1998, , .		149
35	APPLYING AGENT TECHNOLOGY. Applied Artificial Intelligence, 1995, 9, 357-369.	2.0	145
36	AGENT-BASED BUSINESS PROCESS MANAGEMENT. International Journal of Cooperative Information Systems, 1996, 05, 105-130.	0.6	145

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37	Evaluating practical negotiating agents: Results and analysis of the 2011 international competition. Artificial Intelligence, 2013, 198, 73-103.	3.9	137
38	A linear approximation method for the Shapley value. Artificial Intelligence, 2008, 172, 1673-1699.	3.9	136
39	Organisational Abstractions for the Analysis and Design of Multi-agent Systems. Lecture Notes in Computer Science, 2001, , 235-251.	1.0	131
40	Agent-based formation of virtual organisations. Knowledge-Based Systems, 2004, 17, 103-111.	4.0	131
41	Software agents. IEE Review, 1996, 42, 17-20.	0.2	129
42	The Semantic Grid: A Future e-Science Infrastructure. , 0, , 437-470.		126
43	Coalition structure generation: A survey. Artificial Intelligence, 2015, 229, 139-174.	3.9	122
44	On cooperation in multi-agent systems. Knowledge Engineering Review, 1997, 12, 309-314.	2.1	121
45	Strategic bidding in continuous double auctions. Artificial Intelligence, 2008, 172, 1700-1729.	3.9	119
46	Coping with inaccurate reputation sources. , 2005, , .		118
47	ORGANISATIONAL RULES AS AN ABSTRACTION FOR THE ANALYSIS AND DESIGN OF MULTI-AGENT SYSTEMS. International Journal of Software Engineering and Knowledge Engineering, 2001, 11, 303-328.	0.6	116
48	Software engineering with agents: pitfalls and pratfalls. IEEE Internet Computing, 1999, 3, 20-27.	3.2	109
49	Flexible provisioning of web service workflows. ACM Transactions on Internet Technology, 2009, 9, 1-45.	3.0	109
50	A fuzzy-logic based bidding strategy for autonomous agents in continuous double auctions. IEEE Transactions on Knowledge and Data Engineering, 2003, 15, 1345-1363.	4.0	104
51	Research Directions for Service-Oriented Multiagent Systems. IEEE Internet Computing, 2005, 9, 65-70.	3.2	104
52	AGENT-BASED APPROACH TO HEALTH CARE MANAGEMENT. Applied Artificial Intelligence, 1995, 9, 401-420.	2.0	103
53	Developing a bidding agent for multiple heterogeneous auctions. ACM Transactions on Internet Technology, 2003, 3, 185-217.	3.0	103
54	Understanding domestic energy consumption through interactive visualisation. , 2012, , .		101

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55	Decentralized Coordination in RoboCup Rescue. Computer Journal, 2010, 53, 1447-1461.	1.5	99
56	Multi-issue negotiation under time constraints. , 2002, , .		98
57	Bounded approximate decentralised coordination via the max-sum algorithm. Artificial Intelligence, 2011, 175, 730-759.	3.9	96
58	An efficient and versatile approach to trust and reputation using hierarchical Bayesian modelling. Artificial Intelligence, 2012, 193, 149-185.	3.9	96
59	Determining successful negotiation strategies: an evolutionary approach. , 0, , .		90
60	The Evolution of the Grid. , 0, , 65-100.		90
61	DEVISING A TRUST MODEL FOR MULTI-AGENT INTERACTIONS USING CONFIDENCE AND REPUTATION. Applied Artificial Intelligence, 2004, 18, 833-852.	2.0	89
62	Using Archon to develop real-world DAI applications. 1. IEEE Intelligent Systems, 1996, 11, 64-70.	1.1	84
63	Efficient crowdsourcing of unknown experts using bounded multi-armed bandits. Artificial Intelligence, 2014, 214, 89-111.	3.9	84
64	Efficient mechanisms for the supply of services in multi-agent environments. Decision Support Systems, 2000, 28, 5-19.	3.5	83
65	Towards Real-Time Information Processing of Sensor Network Data Using Computationally Efficient Multi-output Gaussian Processes. , 2008, , .		83
66	Using similarity criteria to make negotiation trade-offs. , 0, , .		79
67	Doing the laundry with agents. , 2014, , .		78
68	Negotiation in multi-agent systems. Knowledge Engineering Review, 1999, 14, 285-289.	2.1	77
69	Certified reputation. , 2006, , .		75
70	SPECIFICATION AND IMPLEMENTATION OF A BELIEF-DESIRE-JOINT-INTENTION ARCHITECTURE FOR COLLABORATIVE PROBLEM SOLVING. International Journal of Cooperative Information Systems, 1993, 02, 289-318.	0.6	72
71	Agent-based homeostatic control for green energy in the smart grid. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-28.	2.9	72
72	Self-Organized Routing for Wireless Microsensor Networks. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 349-359.	3.4	71

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73	A Classification Scheme for Negotiation in Electronic Commerce. Lecture Notes in Computer Science, 2001, , 19-33.	1.0	70
74	A Probabilistic Trust Model for Handling Inaccurate Reputation Sources. Lecture Notes in Computer Science, 2005, , 193-209.	1.0	69
75	Constraints on Axion-like Particles from X-Ray Observations of NGC1275. Astrophysical Journal, 2017, 847, 101.	1.6	69
76	Decentralized control of adaptive sampling in wireless sensor networks. ACM Transactions on Sensor Networks, 2009, 5, 1-35.	2.3	67
77	Implementing a business process management system using adept: A real-world case study. Applied Artificial Intelligence, 2000, 14, 421-463.	2.0	66
78	A Software Framework for Automated Negotiation. Lecture Notes in Computer Science, 2005, , 213-235.	1.0	66
79	Unsupervised anomaly detection with LSTM autoencoders using statistical data-filtering. Applied Soft Computing Journal, 2021, 108, 107443.	4.1	66
80	A Comparative Study of Game Theoretic and Evolutionary Models of Bargaining for Software Agents. Artificial Intelligence Review, 2005, 23, 187-205.	9.7	65
81	Agent Technologies for Sensor Networks. IEEE Intelligent Systems, 2009, 24, 13-17.	4.0	65
82	Intention-Aware Routing of Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1472-1482.	4.7	64
83	Decision procedures for multiple auctions. , 2002, , .		62
84	Prioritised fuzzy constraint satisfaction problems: axioms, instantiation and validation. Fuzzy Sets and Systems, 2003, 136, 151-188.	1.6	61
85	Managing commitments in multiple concurrent negotiations. Electronic Commerce Research and Applications, 2005, 4, 362-376.	2.5	61
86	Socially intelligent reasoning for autonomous agents. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2001, 31, 381-393.	3.4	59
87	Agent-based decentralised coordination for sensor networks using the max-sum algorithm. Autonomous Agents and Multi-Agent Systems, 2014, 28, 337-380.	1.3	59
88	Formalizing Collaborative Decision-making and Practical Reasoning in Multi-agent Systems. Journal of Logic and Computation, 2002, 12, 55-117.	0.5	57
89	Bargaining with incomplete information. Annals of Mathematics and Artificial Intelligence, 2005, 44, 207-232.	0.9	57
90	A market-based approach to recommender systems. ACM Transactions on Information Systems, 2005, 23, 227-266.	3.8	52

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91	Human-agent collaboration for disaster response. <i>Autonomous Agents and Multi-Agent Systems</i> , 2016, 30, 82-111.	1.3	52
92	A spectrum of compromise aggregation operators for multi-attribute decision making. <i>Artificial Intelligence</i> , 2007, 171, 161-184.	3.9	51
93	A hybrid controller based on the egocentric perceptual principle. <i>Robotics and Autonomous Systems</i> , 2010, 58, 1039-1048.	3.0	51
94	Real-time information processing of environmental sensor network data using bayesian gaussian processes. <i>ACM Transactions on Sensor Networks</i> , 2012, 9, 1-32.	2.3	51
95	Breaking the habit: Measuring and predicting departures from routine in individual human mobility. <i>Pervasive and Mobile Computing</i> , 2013, 9, 808-822.	2.1	51
96	Acquiring user tradeoff strategies and preferences for negotiating agents: A default-then-adjust method. <i>International Journal of Human Computer Studies</i> , 2006, 64, 304-321.	3.7	50
97	An algorithm for distributing coalitional value calculations among cooperating agents. <i>Artificial Intelligence</i> , 2007, 171, 535-567.	3.9	49
98	Efficient Task Scheduling Multi-Objective Particle Swarm Optimization in Cloud Computing. , 2016, , .		49
99	The Dynamic Selection of Coordination Mechanisms. <i>Autonomous Agents and Multi-Agent Systems</i> , 2004, 9, 55-85.	1.3	48
100	Market-Based Task Allocation Mechanisms for Limited-Capacity Suppliers. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2007, 37, 391-405.	3.4	48
101	Decentralized approaches for self-adaptation in agent organizations. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2012, 7, 1-28.	0.4	48
102	Optimal Negotiation Strategies for Agents with Incomplete Information. <i>Lecture Notes in Computer Science</i> , 2002, , 377-392.	1.0	48
103	A HYBRID MODEL FOR SHARING INFORMATION BETWEEN FUZZY, UNCERTAIN AND DEFAULT REASONING MODELS IN MULTI-AGENT SYSTEMS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2002, 10, 401-450.	0.9	47
104	KEMNAD: A KNOWLEDGE ENGINEERING METHODOLOGY FOR NEGOTIATING AGENT DEVELOPMENT. <i>Computational Intelligence</i> , 2012, 28, 51-105.	2.1	47
105	Integrating intelligent systems into a cooperating community for electricity distribution management. <i>Expert Systems With Applications</i> , 1994, 7, 563-579.	4.4	46
106	Negotiating using rewards. <i>Artificial Intelligence</i> , 2007, 171, 805-837.	3.9	46
107	Anytime coalition structure generation in multi-agent systems with positive or negative externalities. <i>Artificial Intelligence</i> , 2012, 186, 95-122.	3.9	46
108	Acquiring domain knowledge for negotiating agents: a case of study. <i>International Journal of Human Computer Studies</i> , 2004, 61, 3-31.	3.7	45

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109	A hybrid exact algorithm for complete set partitioning. <i>Artificial Intelligence</i> , 2016, 230, 14-50.	3.9	45
110	Constraints on axion-like particles from non-observation of spectral modulations for X-ray point sources. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 005-005.	1.9	45
111	Transforming standalone expert systems into a community of cooperating agents. <i>Engineering Applications of Artificial Intelligence</i> , 1993, 6, 317-331.	4.3	44
112	Trust evaluation through relationship analysis. , 2005, , .		43
113	Designing a successful trading agent for supply chain management. , 2006, , .		43
114	A Disaster Response System based on Human-Agent Collectives. <i>Journal of Artificial Intelligence Research</i> , 0, 57, 661-708.	7.0	43
115	Agent-based meeting scheduling: A design and implementation. <i>Electronics Letters</i> , 1995, 31, 350-352.	0.5	40
116	Tariff Agent. <i>ACM Transactions on Computer-Human Interaction</i> , 2016, 23, 1-28.	4.6	40
117	Dialogue games that agents play within a society. <i>Artificial Intelligence</i> , 2009, 173, 935-981.	3.9	39
118	A utility-based sensing and communication model for a glacial sensor network. , 2006, , .		38
119	The effects of proxy bidding and minimum bid increments within eBay auctions. <i>ACM Transactions on the Web</i> , 2007, 1, 9.	2.0	36
120	Coalition Structure Generation over Graphs. <i>Journal of Artificial Intelligence Research</i> , 0, 45, 165-196.	7.0	36
121	A unifying framework for iterative approximate best-response algorithms for distributed constraint optimization problems. <i>Knowledge Engineering Review</i> , 2011, 26, 411-444.	2.1	35
122	Agent-Based Computing. <i>IFIP Advances in Information and Communication Technology</i> , 2002, , 17-30.	0.5	35
123	Engineering Executable Agents using Multi-context Systems. <i>Journal of Logic and Computation</i> , 2002, 12, 413-442.	0.5	34
124	STRATUM: A METHODOLOGY FOR DESIGNING HEURISTIC AGENT NEGOTIATION STRATEGIES. <i>Applied Artificial Intelligence</i> , 2007, 21, 489-527.	2.0	34
125	Computing pure Bayesian-Nash equilibria in games with finite actions and continuous types. <i>Artificial Intelligence</i> , 2013, 195, 106-139.	3.9	34
126	Architecting for Reuse: A Software Framework for Automated Negotiation. <i>Lecture Notes in Computer Science</i> , 2003, , 88-100.	1.0	34



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127	GRATE: a general framework for co-operative problem solving. Intelligent Systems Engineering, 1992, 1, 102.	0.5	34
128	Protocol engineering for web services conversations. Engineering Applications of Artificial Intelligence, 2005, 18, 237-254.	4.3	33
129	Agent-based virtual organisations for the Grid. Multiagent and Grid Systems, 2005, 1, 237-249.	0.5	33
130	Rumours and reputation. , 2007, , .		33
131	Modelling heterogeneous location habits in human populations for location prediction under data sparsity. , 2013, , .		33
132	Towards a theory of cooperative problem solving. Lecture Notes in Computer Science, 1996, , 40-53.	1.0	33
133	Convergent Learning Algorithms for Unknown Reward Games. SIAM Journal on Control and Optimization, 2013, 51, 3154-3180.	1.1	32
134	Rewarding cooperative virtual power plant formation using scoring rules. Energy, 2016, 117, 19-28.	4.5	32
135	Agent-Oriented Software Engineering. Lecture Notes in Computer Science, 1999, , 4-10.	1.0	31
136	SouthamptonTAC. ACM Transactions on Internet Technology, 2003, 3, 218-235.	3.0	30
137	Global Manhunt Pushes the Limits of Social Mobilization. Computer, 2013, 46, 68-75.	1.2	30
138	CONOISE: Agent-Based Formation of Virtual Organisations. , 2004, , 353-366.		30
139	Improving the Scalability of Multi-agent Systems. Lecture Notes in Computer Science, 2001, , 246-262.	1.0	29
140	Learning users' interests by quality classification in market-based recommender systems. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 1678-1688.	4.0	28
141	Reasoning about commitments and penalties for coordination between autonomous agents. , 2001, , .		28
142	Automating negotiation for M-services. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2003, 33, 709-724.	3.4	27
143	Optimal design of english auctions with discrete bid levels. ACM Transactions on Internet Technology, 2007, 7, 12.	3.0	27
144	Recommending energy tariffs and load shifting based on smart household usage profiling. , 2013, , .		27

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145	Collaborative online planning for automated victim search in disaster response. <i>Robotics and Autonomous Systems</i> , 2018, 100, 251-266.	3.0	27
146	Re-use of Interaction Protocols for Agent-Based Control Applications. <i>Lecture Notes in Computer Science</i> , 2003, , 73-87.	1.0	27
147	Agent Systems and Applications. <i>Knowledge Engineering Review</i> , 1998, 13, 303-308.	2.1	26
148	Real-Time Detection of Dictionary DGA Network Traffic Using Deep Learning. <i>SN Computer Science</i> , 2021, 2, 1.	2.3	26
149	Social Mental Shaping: Modelling the Impact of Sociality on the Mental States of Autonomous Agents. <i>Computational Intelligence</i> , 2001, 17, 738-782.	2.1	25
150	Recommender systems. , 2003, , .		25
151	Mechanism design for the truthful elicitation of costly probabilistic estimates in distributed information systems. <i>Artificial Intelligence</i> , 2011, 175, 648-672.	3.9	25
152	Deploying the max-sum algorithm for decentralised coordination and task allocation of unmanned aerial vehicles for live aerial imagery collection. , 2012, , .		25
153	Verification in Referral-Based Crowdsourcing. <i>PLoS ONE</i> , 2012, 7, e45924.	1.1	25
154	Learning to Negotiate Optimally in Non-stationary Environments. <i>Lecture Notes in Computer Science</i> , 2006, , 288-300.	1.0	25
155	Designing a Successful Trading Agent: A Fuzzy Set Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2004, 12, 389-410.	6.5	24
156	Resource allocation in communication networks using market-based agents. <i>Knowledge-Based Systems</i> , 2005, 18, 163-170.	4.0	24
157	Negotiating using rewards. , 2006, , .		24
158	Efficient Buyer Groups With Prediction-of-Use Electricity Tariffs. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 4468-4479.	6.2	24
159	Projected bounds on ALPs from Athena. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4932-4936.	1.6	24
160	Negotiating the Semantics of Agent Communication Languages. <i>Computational Intelligence</i> , 2002, 18, 229-252.	2.1	22
161	Decentralized Dynamic Task Allocation Using Overlapping Potential Games. <i>Computer Journal</i> , 2010, 53, 1462-1477.	1.5	22
162	Crowdsourcing contest dilemma. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140532.	1.5	22

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163	An Online Mechanism for Multi-speed Electric Vehicle Charging. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 100-112.	0.2	22
164	A heuristic bidding strategy for buying multiple goods in multiple english auctions. ACM Transactions on Internet Technology, 2006, 6, 465-496.	3.0	21
165	Overlapping Coalition Formation. Lecture Notes in Computer Science, 2008, , 307-321.	1.0	21
166	A Scalable Low-Cost Solution to Provide Personalised Home Heating Advice to Households. , 2013, , .		21
167	Iterative voting and acyclic games. Artificial Intelligence, 2017, 252, 100-122.	3.9	21
168	Is It Worth Arguing?. Lecture Notes in Computer Science, 2005, , 234-250.	1.0	20
169	Bidding optimally in concurrent second-price auctions of perfectly substitutable goods. , 2007, , .		20
170	A utility-based adaptive sensing and multihop communication protocol for wireless sensor networks. ACM Transactions on Sensor Networks, 2010, 6, 1-39.	2.3	20
171	Robust Execution of Service Workflows Using Redundancy and Advance Reservations. IEEE Transactions on Services Computing, 2011, 4, 125-139.	3.2	20
172	Sequential auctions for objects with common and private values. , 2005, , .		19
173	A randomized method for the shapley value for the voting game. , 2007, , .		18
174	Coordinating team players within a noisy Iterated Prisonerâ€™s Dilemma tournament. Theoretical Computer Science, 2007, 377, 243-259.	0.5	18
175	Trustworthy human-AI partnerships. IScience, 2021, 24, 102891.	1.9	18
176	Rights and commitment in multi-agent agreements. , 0, , .		17
177	Optimal clearing algorithms for multi-unit single-item and multi-unit combinatorial auctions with demand/supply function bidding. , 2003, , .		17
178	Hyperion Next-Generation Battlespace Information Services. Computer Journal, 2007, 50, 632-645.	1.5	17
179	An Overview of the Results and Insights from the Third Automated Negotiating Agents Competition (ANAC2012). Studies in Computational Intelligence, 2014, , 151-162.	0.7	17
180	Reasoning about commitments in multiple concurrent negotiations. , 2004, , .		16

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181	Improving location prediction services for new users with probabilistic latent semantic analysis. , 2012, , .		15
182	Learning to select a coordination mechanism. , 2002, , .		15
183	Agent-based modeling of smart-grid market operations. , 2011, , .		14
184	Budget-Balanced and Nearly Efficient Randomized Mechanisms: Public Goods and beyond. Lecture Notes in Computer Science, 2011, , 158-169.	1.0	14
185	GOSH: Task Scheduling Using Deep Surrogate Models in Fog Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2821-2833.	4.0	14
186	Ensuring consistency in the joint beliefs of interacting agents. , 2003, , .		13
187	User evaluation of a market-based recommender system. Autonomous Agents and Multi-Agent Systems, 2008, 17, 251-269.	1.3	13
188	Algorithms and mechanisms for procuring services with uncertain durations using redundancy. Artificial Intelligence, 2011, 175, 2021-2060.	3.9	13
189	Benchmarking hybrid algorithms for distributed constraint optimisation games. Autonomous Agents and Multi-Agent Systems, 2011, 22, 385-414.	1.3	13
190	Targeted Social Mobilization in a Global Manhunt. PLoS ONE, 2013, 8, e74628.	1.1	13
191	Language Understanding in the Wild. , 2015, , .		13
192	Modeling the Thermal Dynamics of Buildings. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-27.	2.9	13
193	IAMhaggler2011: A Gaussian Process Regression Based Negotiation Agent. Studies in Computational Intelligence, 2013, , 209-212.	0.7	13
194	Using Archon - 2. Electricity transportation management. IEEE Intelligent Systems, 1996, 11, 71-79.	1.1	12
195	Argument-based negotiation in a social context. , 2005, , .		12
196	Bidding strategies for realistic multi-unit sealed-bid auctions. Autonomous Agents and Multi-Agent Systems, 2010, 21, 265-291.	1.3	12
197	On the Existence of Pure Strategy Nash Equilibria in Integer-Valued Splittable Weighted Congestion Games. Lecture Notes in Computer Science, 2011, , 236-253.	1.0	12
198	Constructing a virtual training laboratory using intelligent agents. International Journal of Continuing Engineering Education and Life-Long Learning, 2002, 12, 201.	0.1	11

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199	Distributed Asymptotic Minimization of Sequences of Convex Functions by a Broadcast Adaptive Subgradient Method. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 739-753.	7.3	11
200	The Shapley value for a fair division of group discounts for coordinating cooling loads. PLoS ONE, 2020, 15, e0227049.	1.1	11
201	Agent Specification Using Multi-context Systems. Lecture Notes in Computer Science, 2002, , 205-226.	1.0	11
202	On Efficient Procedures for Multi-issue Negotiation. , 2006, , 31-45.		11
203	Games with Congestion-Averse Utilities. Lecture Notes in Computer Science, 2009, , 220-232.	1.0	11
204	On representing coalitional games with externalities. , 2009, , .		10
205	An equilibrium analysis of market selection strategies and fee strategies in competing double auction marketplaces. Autonomous Agents and Multi-Agent Systems, 2013, 26, 245-287.	1.3	10
206	The Influence of Information on Negotiation Equilibrium. Lecture Notes in Computer Science, 2002, , 180-193.	1.0	10
207	Optimal Escape Interdiction on Transportation Networks. , 2017, , .		10
208	Argument-Based Negotiation in a Social Context. Lecture Notes in Computer Science, 2006, , 104-121.	1.0	9
209	Knowledge-based acquisition of tradeoff preferences for negotiating agents. , 2003, , .		8
210	Competing sellers in online markets. , 2006, , .		8
211	Outperforming the competition in multi-unit sealed bid auctions. , 2007, , .		8
212	An asset pricing model with loss aversion and its stylized facts. , 2016, , .		8
213	Survey of task scheduling in cloud computing based on particle swarm optimization. , 2017, , .		8
214	START: Straggler Prediction and Mitigation for Cloud Computing Environments using Encoder LSTM Networks. IEEE Transactions on Services Computing, 2021, , 1-1.	3.2	8
215	Cooperating agents for 3-D scientific data interpretation. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 1999, 29, 110-126.	3.3	7
216	Agents and markets. IEEE Intelligent Systems, 2003, 18, 12-14.	4.0	7

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