Nicholas R Jennings

List of Publications by Citations

321	20,328	59	138
papers	citations	h-index	g-index
334	23,853	2.6	7.03
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
321	Intelligent agents: theory and practice. *Knowledge Engineering Review*, **1995**, 10, 115-152	2.1	3223
320	On agent-based software engineering. *Artificial Intelligence*, **2000**, 117, 277-296	3.6	874
319	The Gaia Methodology for Agent-Oriented Analysis and Design. *Autonomous Agents and Multi-Agent Systems*, **2000**, 3, 285-312	2	868
318	A Roadmap of Agent Research and Development. *Autonomous Agents and Multi-Agent Systems*, **1998**, 1, 7-38	2	858
317	Automated Negotiation: Prospects, Methods and Challenges. *Group Decision and Negotiation*, **2001**, 10, 199-215	2.5	742
316	Developing multiagent systems. *ACM Transactions on Software Engineering and Methodology*, **2003**, 12, 317-370	3.3	688
315	Negotiation decision functions for autonomous agents. *Robotics and Autonomous Systems*, **1998**, 24, 159-182	3.5	678
314	An agent-based approach for building complex software systems. *Communications of the ACM*, **2001**, 44, 35-41	2.5	545
313	An integrated trust and reputation model for open multi-agent systems. *Autonomous Agents and Multi-Agent Systems*, **2006**, 13, 119-154	2	416
312	Using similarity criteria to make issue trade-offs in automated negotiations. *Artificial Intelligence*, **2002**, 142, 205-237	3.6	413
311	Agents that reason and negotiate by arguing. *Journal of Logic and Computation*, **1998**, 8, 261-292	0.4	408
310	Trust in multi-agent systems. *Knowledge Engineering Review*, **2004**, 19, 1-25	2.1	396
309	Putting the 'smarts' into the smart grid. *Communications of the ACM*, **2012**, 55, 86-97	2.5	318
308	Argumentation-based negotiation. *Knowledge Engineering Review*, **2003**, 18, 343-375	2.1	291
307	Controlling cooperative problem solving in industrial multi-agent systems using joint intentions. *Artificial Intelligence*, **1995**, 75, 195-240	3.6	290
306	TRAVOS: Trust and Reputation in the Context of Inaccurate Information Sources. *Autonomous Agents and Multi-Agent Systems*, **2006**, 12, 183-198	2	289
305	Machine behaviour. *Nature*, **2019**, 568, 477-486	50.4	288

304	Commitments and conventions: The foundation of coordination in multi-agent systems. *Knowledge Engineering Review*, **1993**, 8, 223-250	2.1	246
303	An agenda-based framework for multi-issue negotiation. *Artificial Intelligence*, **2004**, 152, 1-45	3.6	227
302	Agent theories, architectures, and languages: A survey. *Lecture Notes in Computer Science*, **1995**, 1-39	0.9	213
301	On agent-mediated electronic commerce. *IEEE Transactions on Knowledge and Data Engineering*, **2003**, 15, 985-1003	4.2	207
300	A fuzzy constraint based model for bilateral, multi-issue negotiations in semi-competitive environments. *Artificial Intelligence*, **2003**, 148, 53-102	3.6	205
299	A Classification Scheme for Negotiation in Electronic Commerce. *Group Decision and Negotiation*, **2003**, 12, 31-56	2.5	187
298	Autonomous agents for business process management. *Applied Artificial Intelligence*, **2000**, 14, 145-189	2.3	179
297	. *IEEE Intelligent Systems*, **2003**, 18, 40-47	4.2	171
296	Agent-based control systems: Why are they suited to engineering complex systems?. *IEEE Control Systems*, **2003**, 23, 61-73	2.9	166
295	A methodology for agent-oriented analysis and design **1999**,		166
294	The cooperative problem-solving process. *Journal of Logic and Computation*, **1999**, 9, 563-592	0.4	153
293	An Agent-Based Approach to Virtual Power Plants of Wind Power Generators and Electric Vehicles. *IEEE Transactions on Smart Grid*, **2013**, 4, 1314-1322	10.7	148
292	Desire: Modelling Multi-Agent Systems in a Compositional Formal Framework. *International Journal of Cooperative Information Systems*, **1997**, 06, 67-94	0.6	142
291	Multiagent Systems for Manufacturing Control **2004**,		130
290	Software agents. *IEE Review*, **1996**, 42, 17-20		116
289	The Semantic Grid: Past, Present, and Future. *Proceedings of the IEEE*, **2005**, 93, 669-681	14.3	104
288	Agent-based formation of virtual organisations. *Knowledge-Based Systems*, **2004**, 17, 103-111	7.3	104
287	Evaluating practical negotiating agents: Results and analysis of the 2011 international competition. *Artificial Intelligence*, **2013**, 198, 73-103	3.6	98

286	APPLYING AGENT TECHNOLOGY. *Applied Artificial Intelligence*, **1995**, 9, 357-369	2.3	91
285	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	1	88
284	Flexible provisioning of web service workflows. *ACM Transactions on Internet Technology*, **2009**, 9, 1-45	3.8	87
283	Strategic bidding in continuous double auctions. *Artificial Intelligence*, **2008**, 172, 1700-1729	3.6	85
282	Coping with inaccurate reputation sources **2005**,		82
281	Pitfalls of agent-oriented development **1998**,		80
280	Coalition structure generation: A survey. *Artificial Intelligence*, **2015**, 229, 139-174	3.6	79
279	On cooperation in multi-agent systems. *Knowledge Engineering Review*, **1997**, 12, 309-314	2.1	79
278	AGENT-BASED APPROACH TO HEALTH CARE MANAGEMENT. *Applied Artificial Intelligence*, **1995**, 9, 401-420	1.3	78
277	AGENT-BASED BUSINESS PROCESS MANAGEMENT. *International Journal of Cooperative Information Systems*, **1996**, 05, 105-130	0.6	78
276	A linear approximation method for the Shapley value. *Artificial Intelligence*, **2008**, 172, 1673-1699	3.6	77
275	Developing a bidding agent for multiple heterogeneous auctions. *ACM Transactions on Internet Technology*, **2003**, 3, 185-217	3.8	77
274	Understanding domestic energy consumption through interactive visualisation **2012**,		75
273	Research directions for service-oriented multiagent systems. *IEEE Internet Computing*, **2005**, 9, 65-70	2.4	73
272	DEVISING A TRUST MODEL FOR MULTI-AGENT INTERACTIONS USING CONFIDENCE AND REPUTATION. *Applied Artificial Intelligence*, **2004**, 18, 833-852	2.3	73
271	An efficient and versatile approach to trust and reputation using hierarchical Bayesian modelling. *Artificial Intelligence*, **2012**, 193, 149-185	3.6	72
270	A fuzzy-logic based bidding strategy for autonomous agents in continuous double auctions. *IEEE Transactions on Knowledge and Data Engineering*, **2003**, 15, 1345-1363	4.2	71
269	. *IEEE Internet Computing*, **1999**, 3, 20-27	2.4	70

268	Bounded approximate decentralised coordination via the max-sum algorithm. *Artificial Intelligence*, **2011**, 175, 730-759	3.6	66
267	Decentralized Coordination in RoboCup Rescue. *Computer Journal*, **2010**, 53, 1447-1461	1.3	65
266	Efficient crowdsourcing of unknown experts using bounded multi-armed bandits. *Artificial Intelligence*, **2014**, 214, 89-111	3.6	64
265	Organisational Abstractions for the Analysis and Design of Multi-agent Systems. *Lecture Notes in Computer Science*, **2001**, 235-251	0.9	61
264	A Classification Scheme for Negotiation in Electronic Commerce. *Lecture Notes in Computer Science*, **2001**, 19-33	0.9	60
263	The Semantic Grid: A Future e-Science Infrastructure437-470		59
262	. *IEEE Intelligent Systems*, **1996**, 11, 64-70		59
261	Determining successful negotiation strategies: an evolutionary approach		58
260	Doing the laundry with agents **2014**,		55
259	Certified reputation **2006**,		54
258	Self-organized routing for wireless microsensor networks. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2005**, 35, 349-359		54
257	Towards Real-Time Information Processing of Sensor Network Data Using Computationally Efficient Multi-output Gaussian Processes **2008**,		53
256	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	53
255	Decentralized control of adaptive sampling in wireless sensor networks. *ACM Transactions on Sensor Networks*, **2009**, 5, 1-35	2.9	52
254	Efficient mechanisms for the supply of services in multi-agent environments. *Decision Support Systems*, **2000**, 28, 5-19	5.6	52
253	A hybrid controller based on the egocentric perceptual principle. *Robotics and Autonomous Systems*, **2010**, 58, 1039-1048	3.5	50
252	Multi-issue negotiation under time constraints **2002**,		50
251	Negotiation in multi-agent systems. *Knowledge Engineering Review*, **1999**, 14, 285-289	2.1	50

250	Agent-based homeostatic control for green energy in the smart grid. *ACM Transactions on Intelligent Systems and Technology*, **2011**, 2, 1-28	8	49
249	Agent Technologies for Sensor Networks. *IEEE Intelligent Systems*, **2009**, 24, 13-17	4.2	48
248	Managing commitments in multiple concurrent negotiations. *Electronic Commerce Research and Applications*, **2005**, 4, 362-376	4.6	48
247	Constraints on Axion-like Particles from X-Ray Observations of NGC1275. *Astrophysical Journal*, **2017**, 847, 101	4.7	47
246	Bargaining with incomplete information. *Annals of Mathematics and Artificial Intelligence*, **2005**, 44, 207-232	2.2	47
245	The Evolution of the Grid65-100		45
244	. *IEEE Transactions on Intelligent Transportation Systems*, **2016**, 17, 1472-1482	6.1	44
243	Prioritised fuzzy constraint satisfaction problems: axioms, instantiation and validation. *Fuzzy Sets and Systems*, **2003**, 136, 151-188	3.7	44
242	A Comparative Study of Game Theoretic and Evolutionary Models of Bargaining for Software Agents. *Artificial Intelligence Review*, **2005**, 23, 187-205	9.7	44
241	A market-based approach to recommender systems. *ACM Transactions on Information Systems*, **2005**, 23, 227-266	4.8	43
240	Market-Based Task Allocation Mechanisms for Limited-Capacity Suppliers. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2007**, 37, 391-405		42
239	Breaking the habit: Measuring and predicting departures from routine in individual human mobility. *Pervasive and Mobile Computing*, **2013**, 9, 808-822	3.5	41
238	KEMNAD: A KNOWLEDGE ENGINEERING METHODOLOGY FOR NEGOTIATING AGENT DEVELOPMENT. *Computational Intelligence*, **2012**, 28, 51-105	2.5	41
237	A spectrum of compromise aggregation operators for multi-attribute decision making. *Artificial Intelligence*, **2007**, 171, 161-184	3.6	41
236	A Probabilistic Trust Model for Handling Inaccurate Reputation Sources. *Lecture Notes in Computer Science*, **2005**, 193-209	0.9	41
235	A Software Framework for Automated Negotiation. *Lecture Notes in Computer Science*, **2005**, 213-235	0.9	41
234	Implementing a business process management system using adept: A real-world case study. *Applied Artificial Intelligence*, **2000**, 14, 421-463	2.3	41
233	Using similarity criteria to make negotiation trade-offs		41

232	Socially intelligent reasoning for autonomous agents. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2001**, 31, 381-393		41
231	Acquiring user tradeoff strategies and preferences for negotiating agents: A default-then-adjust method. *International Journal of Human Computer Studies*, **2006**, 64, 304-321	4.6	39
230	Decision procedures for multiple auctions **2002**,		39
229	A HYBRID MODEL FOR SHARING INFORMATION BETWEEN FUZZY, UNCERTAIN AND DEFAULT REASONING MODELS IN MULTI-AGENT SYSTEMS. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2002**, 10, 401-450	0.8	38
228	Formalizing Collaborative Decision-making and Practical Reasoning in Multi-agent Systems. *Journal of Logic and Computation*, **2002**, 12, 55-117	0.4	38
227	Decentralized approaches for self-adaptation in agent organizations. *ACM Transactions on Autonomous and Adaptive Systems*, **2012**, 7, 1-28	1.2	37
226	Negotiating using rewards. *Artificial Intelligence*, **2007**, 171, 805-837	3.6	37
225	Acquiring domain knowledge for negotiating agents: a case of study. *International Journal of Human Computer Studies*, **2004**, 61, 3-31	4.6	36
224	Agent-based decentralised coordination for sensor networks using the max-sum algorithm. *Autonomous Agents and Multi-Agent Systems*, **2014**, 28, 337-380	2	35
223	Optimal Negotiation Strategies for Agents with Incomplete Information. *Lecture Notes in Computer Science*, **2002**, 377-392	0.9	35
222	Real-time information processing of environmental sensor network data using bayesian gaussian processes. *ACM Transactions on Sensor Networks*, **2012**, 9, 1-32	2.9	34
221	The Dynamic Selection of Coordination Mechanisms. *Autonomous Agents and Multi-Agent Systems*, **2004**, 9, 55-85	2	34
220	Integrating intelligent systems into a cooperating community for electricity distribution management. *Expert Systems With Applications*, **1994**, 7, 563-579	7.8	34
219	An algorithm for distributing coalitional value calculations among cooperating agents. *Artificial Intelligence*, **2007**, 171, 535-567	3.6	33
218	Efficient Task Scheduling Multi-Objective Particle Swarm Optimization in Cloud Computing **2016**,		33
217	Designing a successful trading agent for supply chain management **2006**,		32
216	Dialogue games that agents play within a society. *Artificial Intelligence*, **2009**, 173, 935-981	3.6	30
215	Agent-based meeting scheduling: A design and implementation. *Electronics Letters*, **1995**, 31, 350-352	1.1	30

214	A Disaster Response System based on Human-Agent Collectives. *Journal of Artificial Intelligence Research*,57, 661-708	4	30
213	Human–agent collaboration for disaster response. *Autonomous Agents and Multi-Agent Systems*, **2016**, 30, 82-111	2	29
212	Constraints on axion-like particles from non-observation of spectral modulations for X-ray point sources. *Journal of Cosmology and Astroparticle Physics*, **2017**, 2017, 005-005	6.4	29
211	Anytime coalition structure generation in multi-agent systems with positive or negative externalities. *Artificial Intelligence*, **2012**, 186, 95-122	3.6	29
210	Tariff Agent. *ACM Transactions on Computer-Human Interaction*, **2016**, 23, 1-28	4.7	28
209	Agent-based virtual organisations for the Grid. *Multiagent and Grid Systems*, **2005**, 1, 237-249	0.5	28
208	Trust evaluation through relationship analysis **2005**,		28
207	Agent-Oriented Software Engineering. *Lecture Notes in Computer Science*, **1999**, 4-10	0.9	28
206	Modelling heterogeneous location habits in human populations for location prediction under data sparsity **2013**,		27
205	Transforming standalone expert systems into a community of cooperating agents. *Engineering Applications of Artificial Intelligence*, **1993**, 6, 317-331	7.2	27
204	Convergent Learning Algorithms for Unknown Reward Games. *SIAM Journal on Control and Optimization*, **2013**, 51, 3154-3180	1.9	26
203	Global Manhunt Pushes the Limits of Social Mobilization. *Computer*, **2013**, 46, 68-75	1.6	26
202	Engineering Executable Agents using Multi-context Systems. *Journal of Logic and Computation*, **2002**, 12, 413-442	0.4	26
201	A hybrid exact algorithm for complete set partitioning. *Artificial Intelligence*, **2016**, 230, 14-50	3.6	25
200	Rumours and reputation **2007**,		25
199	Agent-Oriented Software Engineering. *Lecture Notes in Computer Science*, **1999**, 1-7	0.9	25
198	A unifying framework for iterative approximate best-response algorithms for distributed constraint optimization problems1. *Knowledge Engineering Review*, **2011**, 26, 411-444	2.1	24
197	A utility-based sensing and communication model for a glacial sensor network **2006**,		24

196	Coalition Structure Generation over Graphs. *Journal of Artificial Intelligence Research*,45, 165-196	4	24
195	SouthamptonTAC. *ACM Transactions on Internet Technology*, **2003**, 3, 218-235	3.8	23
194	Protocol engineering for web services conversations. *Engineering Applications of Artificial Intelligence*, **2005**, 18, 237-254	7.2	23
193	Computing pure Bayesian-Nash equilibria in games with finite actions and continuous types. *Artificial Intelligence*, **2013**, 195, 106-139	3.6	22
192	The effects of proxy bidding and minimum bid increments within eBay auctions. *ACM Transactions on the Web*, **2007**, 1, 9	3.2	22
191	STRATUM: A METHODOLOGY FOR DESIGNING HEURISTIC AGENT NEGOTIATION STRATEGIES. *Applied Artificial Intelligence*, **2007**, 21, 489-527	2.3	21
190	Efficient Computation of the Shapley Value for Centrality in Networks. *Lecture Notes in Computer Science*, **2010**, 1-13	0.9	21
189	Automating negotiation for m-services. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2003**, 33, 709-724		20
188	Social Mental Shaping: Modelling the Impact of Sociality on the Mental States of Autonomous Agents. *Computational Intelligence*, **2001**, 17, 738-782	2.5	20
187	Agent Systems and Applications. *Knowledge Engineering Review*, **1998**, 13, 303-308	2.1	20
186	Re-use of Interaction Protocols for Agent-Based Control Applications. *Lecture Notes in Computer Science*, **2003**, 73-87	0.9	20
185	Improving the Scalability of Multi-agent Systems. *Lecture Notes in Computer Science*, **2001**, 246-262	0.9	20
184	Rewarding cooperative virtual power plant formation using scoring rules. *Energy*, **2016**, 117, 19-28	7.9	19
183	Verification in referral-based crowdsourcing. *PLoS ONE*, **2012**, 7, e45924	3.7	19
182	Optimal design of english auctions with discrete bid levels. *ACM Transactions on Internet Technology*, **2007**, 7, 12	3.8	19
181	Negotiating the Semantics of Agent Communication Languages. *Computational Intelligence*, **2002**, 18, 229-252	2.5	19
180	. *IEEE Transactions on Knowledge and Data Engineering*, **2005**, 17, 1678-1688	4.2	19
179	Developing Agent Interaction Protocols Using Graphical and Logical Methodologies. *Lecture Notes in Computer Science*, **2004**, 149-168	0.9	19

178	Learning to Negotiate Optimally in Non-stationary Environments. *Lecture Notes in Computer Science* , **2006**, 288-300	0.9	19
177	Architecting for Reuse: A Software Framework for Automated Negotiation. *Lecture Notes in Computer Science*, **2003**, 88-100	0.9	19
176	Recommending energy tariffs and load shifting based on smart household usage profiling **2013**,		18
175	A Scalable Low-Cost Solution to Provide Personalised Home Heating Advice to Households **2013**,		18
174	Reasoning about commitments and penalties for coordination between autonomous agents **2001**,		18
173	IAMhaggler: A Negotiation Agent for Complex Environments. *Studies in Computational Intelligence*, **2012**, 151-158	0.8	18
172	GRATE: a general framework for co-operative problem solving. *Intelligent Systems Engineering*, **1992**, 1, 102		18
171	Projected bounds on ALPs from Athena. *Monthly Notices of the Royal Astronomical Society*, **2018**, 473, 4932-4936	4.3	18
170	Crowdsourcing contest dilemma. *Journal of the Royal Society Interface*, **2014**, 11,	4.1	17
169	Mechanism design for the truthful elicitation of costly probabilistic estimates in distributed information systems. *Artificial Intelligence*, **2011**, 175, 648-672	3.6	17
168	Recommender systems **2003**,		17
167	Collaborative online planning for automated victim search in disaster response. *Robotics and Autonomous Systems*, **2018**, 100, 251-266	3.5	17
166	Robust Execution of Service Workflows Using Redundancy and Advance Reservations. *IEEE Transactions on Services Computing*, **2011**, 4, 125-139	4.8	16
165	Decentralized Dynamic Task Allocation Using Overlapping Potential Games. *Computer Journal*, **2010**, 53, 1462-1477	1.3	16
164	Is It Worth Arguing?. *Lecture Notes in Computer Science*, **2005**, 234-250	0.9	16
163	Hyperion Next-Generation Battlespace Information Services. *Computer Journal*, **2007**, 50, 632-645	1.3	15
162	Cooperative Equilibria in Iterated Social Dilemmas. *Lecture Notes in Computer Science*, **2013**, 146-158	0.9	15
161	CONOISE: Agent-Based Formation of Virtual Organisations **2004**, 353-366		15

160	Efficient Buyer Groups With Prediction-of-Use Electricity Tariffs. *IEEE Transactions on Smart Grid*, **2018**, 9, 4468-4479	10.7	14
159	Iterative voting and acyclic games. *Artificial Intelligence*, **2017**, 252, 100-122	3.6	14
158	Designing a successful trading agent:A fuzzy set approach. *IEEE Transactions on Fuzzy Systems*, **2004** , 12, 389-410	8.3	14
157	Resource allocation in communication networks using market-based agents. *Knowledge-Based Systems*, **2005**, 18, 163-170	7.3	14
156	Sequential auctions for objects with common and private values **2005**,		14
155	Overlapping Coalition Formation. *Lecture Notes in Computer Science*, **2008**, 307-321	0.9	13
154	Reasoning about commitments in multiple concurrent negotiations **2004**,		13
153	Decentralised Structural Adaptation in Agent Organisations. *Lecture Notes in Computer Science*, **2009**, 54-71	0.9	13
152	An Overview of the Results and Insights from the Third Automated Negotiating Agents Competition (ANAC2012). *Studies in Computational Intelligence*, **2014**, 151-162	0.8	13
151	Towards a theory of cooperative problem solving. *Lecture Notes in Computer Science*, **1996**, 40-53	0.9	13
150	Agent-based modeling of smart-grid market operations **2011**,		12
149	Coordinating team players within a noisy Iterated Prisoner Dilemma tournament. *Theoretical Computer Science*, **2007**, 377, 243-259	1.1	12
148	A heuristic bidding strategy for buying multiple goods in multiple english auctions. *ACM Transactions on Internet Technology*, **2006**, 6, 465-496	3.8	12
147	Bidding optimally in concurrent second-price auctions of perfectly substitutable goods **2007**,		12
146	Optimal clearing algorithms for multi-unit single-item and multi-unit combinatorial auctions with demand/supply function bidding **2003**,		12
145	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	12
144	Unsupervised anomaly detection with LSTM autoencoders using statistical data-filtering. *Applied Soft Computing Journal*, **2021**, 108, 107443	7.5	12
143	Modeling the Thermal Dynamics of Buildings. *ACM Transactions on Intelligent Systems and Technology*, **2015**, 6, 1-27	8	11

142	A utility-based adaptive sensing and multihop communication protocol for wireless sensor networks. *ACM Transactions on Sensor Networks*, **2010**, 6, 1-39	2.9	11
141	On the Existence of Pure Strategy Nash Equilibria in Integer-Splittable Weighted Congestion Games. *Lecture Notes in Computer Science*, **2011**, 236-253	0.9	11
140	IAMhaggler2011: A Gaussian Process Regression Based Negotiation Agent. *Studies in Computational Intelligence*, **2013**, 209-212	0.8	11
139	Targeted social mobilization in a global manhunt. *PLoS ONE*, **2013**, 8, e74628	3.7	10
138	Improving location prediction services for new users with probabilistic latent semantic analysis **2012**,		10
137	User evaluation of a market-based recommender system. *Autonomous Agents and Multi-Agent Systems*, **2008**, 17, 251-269	2	10
136	A randomized method for the shapley value for the voting game **2007**,		10
135	Rights and commitment in multi-agent agreements		10
134	Using Archon - 2. Electricity transportation management. *IEEE Intelligent Systems*, **1996**, 11, 71-79		10
133	Games with Congestion-Averse Utilities. *Lecture Notes in Computer Science*, **2009**, 220-232	0.9	10
132	Budget-Balanced and Nearly Efficient Randomized Mechanisms: Public Goods and beyond. *Lecture Notes in Computer Science*, **2011**, 158-169	0.9	10
131	Benchmarking hybrid algorithms for distributed constraint optimisation games. *Autonomous Agents and Multi-Agent Systems*, **2011**, 22, 385-414	2	9
130	Deploying the max-sum algorithm for decentralised coordination and task allocation of unmanned aerial vehicles for live aerial imagery collection **2012**,		9
129	Negotiating using rewards **2006**,		9
128	Real-Time Detection of Dictionary DGA Network Traffic Using Deep Learning. *SN Computer Science*, **2021**, 2, 1	2	9
127	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	2	8
126	Language Understanding in the Wild **2015**,		8
125	Bidding strategies for realistic multi-unit sealed-bid auctions. *Autonomous Agents and Multi-Agent Systems*, **2010**, 21, 265-291	2	8

124	Argument-Based Negotiation in a Social Context. *Lecture Notes in Computer Science*, **2006**, 104-121	0.9	8
123	Ensuring consistency in the joint beliefs of interacting agents **2003**,		8
122	Agent Specification Using Multi-context Systems. *Lecture Notes in Computer Science*, **2002**, 205-226	0.9	8
121	Consistency of Hitomi, XMM-Newton, and Chandra 3.5 keV data from Perseus. *Physical Review D*, **2017**, 96,	4.9	7
120	On representing coalitional games with externalities **2009**,		7
119	Argument-based negotiation in a social context **2005**,		7
118	Learning to select a coordination mechanism **2002**,		7
117	An asset pricing model with loss aversion and its stylized facts **2016**,		7
116	Social implications of agent-based planning support for human teams **2014**,		6
115	. *IEEE Journal on Selected Topics in Signal Processing*, **2011**, 5, 739-753	7.5	6
114	Phase transitions and symmetry breaking in genetic algorithms with crossover. *Theoretical Computer Science*, **2006**, 358, 121-141	1.1	6
113	Competing sellers in online markets **2006**,		6
112	Outperforming the competition in multi-unit sealed bid auctions **2007**,		6
111	Delivering services by building and running virtual organisations. *BT Technology Journal*, **2006**, 24, 141-152		6
110	Knowledge-based acquisition of tradeoff preferences for negotiating agents **2003**,		6
109	ECAI'92 The 10th European Conference on Artificial Intelligence. *AI Communications*, **1992**, 5, 205-207	0.8	6
108	On Efficient Procedures for Multi-issue Negotiation **2006**, 31-45		6
107	On the Impact of Strategy and Utility Structures on Congestion-Averse Games. *Lecture Notes in Computer Science*, **2009**, 600-607	0.9	6

106	The Influence of Information on Negotiation Equilibrium. *Lecture Notes in Computer Science*, **2002**, 180-193	0.9	6
105	Survey of task scheduling in cloud computing based on particle swarm optimization **2017**,		5
104	A heuristic approximation method for the Banzhaf index for voting games. *Multiagent and Grid Systems*, **2012**, 8, 257-274	0.5	5
103	Algorithms and mechanisms for procuring services with uncertain durations using redundancy. *Artificial Intelligence*, **2011**, 175, 2021-2060	3.6	5
102	An Agent-Based Distributed Coordination Mechanism for Wireless Visual Sensor Nodes Using Dynamic Programming. *Computer Journal*, **2010**, 53, 1277-1290	1.3	5
101	On-Line Adaptation of Exploration in the One-Armed Bandit with Covariates Problem **2010**,		5
100	Optimal combinatorial electricity markets. *Web Intelligence and Agent Systems*, **2008**, 6, 123-135		5
99	. *IEEE Intelligent Systems*, **2003**, 18, 12-14	4.2	5
98	Constructing a virtual training laboratory using intelligent agents. *International Journal of Continuing Engineering Education and Life-Long Learning*, **2002**, 12, 201	0.8	5
97	Cooperating agents for 3-D scientific data interpretation. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **1999**, 29, 110-126		5
96	Using Multi-context Systems to Engineer Executable Agents. *Lecture Notes in Computer Science*, **2000**, 260-276	0.9	5
95	Market Engineering: A Research Agenda **2008**, 1-15		5
94	Self-organising Sensors for Wide Area Surveillance Using the Max-sum Algorithm. *Lecture Notes in Computer Science*, **2010**, 84-100	0.9	5
93	Designing and Evaluating an Adaptive Trading Agent for Supply Chain Management. *Lecture Notes in Computer Science*, **2006**, 140-156	0.9	5
92	On the efficiency of data collection for multiple Naïve Bayes classifiers. *Artificial Intelligence*, **2019**, 275, 356-378	3.6	4
91	Destroy to save. *Games and Economic Behavior*, **2014**, 86, 392-404	1.1	4
90	Bus, bike and random journeys: Crowdsourcing aid distribution in Ivory Coast. *Significance*, **2013**, 10, 4-9	0.5	4
89	Managing energy tariffs with agents **2015**,		4

88	Implementation and Computation of a Value for Generalized Characteristic Function Games. *ACM Transactions on Economics and Computation*, **2014**, 2, 1-35	1.6	4
87	An Analysis of the Shapley Value and Its Uncertainty for the Voting Game. *Lecture Notes in Computer Science*, **2006**, 85-98	0.9	4
86	Scalability and robustness of a network resource allocation system using market-based agents. *NETNOMICS: Economic Research and Electronic Networking*, **2006**, 7, 69-96	2.3	4
85	Coordinating Measurements in Uncertain Participatory Sensing Settings. *Journal of Artificial Intelligence Research*,61, 433-474	4	4
84	Optimal Escape Interdiction on Transportation Networks **2017**,		4
83	Acquiring Tradeoff Preferences for Automated Negotiations: A Case Study. *Lecture Notes in Computer Science*, **2004**, 37-55	0.9	4
82	A Market-Based Approach to Multi-factory Scheduling. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2009**, 74-86	0.2	4
81	Redistribution of VCG Payments in Public Project Problems. *Lecture Notes in Computer Science*, **2012**, 323-336	0.9	4
80	The Shapley value for a fair division of group discounts for coordinating cooling loads. *PLoS ONE*, **2020**, 15, e0227049	3.7	3
79	Avoiding regret in an agent-based asset pricing model. *Finance Research Letters*, **2018**, 24, 273-277	8.1	3
78	Applying extended kalman filters to adaptive thermal modelling in homes **2014**,		3
77	Long-term information collection with energy harvesting wireless sensors: a multi-armed bandit based approach. *Autonomous Agents and Multi-Agent Systems*, **2012**, 25, 352-394	2	3
76	Optimal payments in dominant-strategy mechanisms for single-parameter domains. *ACM Transactions on Economics and Computation*, **2013**, 1, 1-21	1.6	3
75	Flexible selection of heterogeneous and unreliable services in large-scale grids. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2009**, 367, 2483-94	3	3
74	Provisioning heterogeneous and unreliable providers for service workflows **2007**,		3
73	Social influence, negotiation and cognition. *Simulation Modelling Practice and Theory*, **2002**, 10, 417-453	3.9	3
72	Using Archon - 3. Particle acceleration control. *IEEE Intelligent Systems*, **1996**, 11, 80-86		3
71	Bayesian Aggregation of Categorical Distributions with Applications in Crowdsourcing **2017**,		3

70	Dynamic Evaluation of Coordination Mechanisms for Autonomous Agents. *Lecture Notes in Computer Science*, **2001**, 155-168	0.9	3
69	Learning Users Interests in a Market-Based Recommender System. *Lecture Notes in Computer Science*, **2004**, 833-840	0.9	3
68	Market-Based Recommendations: Design, Simulation and Evaluation. *Lecture Notes in Computer Science*, **2004**, 61-77	0.9	3
67	Negotiating Using Rewards **2006**, 175-192		3
66	Mechanism Design for Eliciting Probabilistic Estimates from Multiple Suppliers with Unknown Costs and Limited Precision. *Lecture Notes in Business Information Processing*, **2010**, 102-116	0.6	3
65	Arguing and Negotiating in the Presence of Social Influences. *Lecture Notes in Computer Science*, **2005**, 223-235	0.9	3
64	A Mechanism for Multiple Goods and Interdependent Valuations. *Lecture Notes in Computer Science* , **2006**, 15-29	0.9	3
63	Agent-Based Computing. *IFIP Advances in Information and Communication Technology*, **2002**, 17-30	0.5	3
62	Automated Negotiation using Parallel Particle Swarm Optimization for Cloud Computing Applications **2017**,		2
61	Learning in Unknown Reward Games: Application to Sensor Networks. *Computer Journal*, **2014**, 57, 875-893	1.3	2
60	Sequential auctions for common value objects with budget constrained bidders. *Multiagent and Grid Systems*, **2010**, 6, 403-414	0.5	2
59	Information Agents for Pervasive Sensor Networks **2008**,		2
58	Managing social influences through argumentation-based negotiation **2006**,		2
57	Discussion on Robin Milner's First Computer Journal Lecture: Ubiquitous Computing: Shall We Understand It?. *Computer Journal*, **2006**, 49, 390-399	1.3	2
56	Developing agent Web service agreements		2
55	USING REINFORCEMENT LEARNING TO COORDINATE BETTER. *Computational Intelligence*, **2005**, 21, 217-245	2.5	2
54	Resource Allocation in Communication Networks Using Market-Based Agents **2004**, 187-200		2
53	Going Public and the Sale of Shares with Heterogeneous Investors: Agent-Based Computational Modelling and Computer Simulations. *Group Decision and Negotiation*, **2001**, 10, 423-470	2.5	2

52	Designing a reusable co-ordination module for co-operative industrial control applications. *IET Control Theory and Applications*, **1996**, 143, 91-102		2
51	Stability of overlapping coalitions **2009**, 8, 1-5		2
50	Market Interfaces for Electric Vehicle Charging. *Journal of Artificial Intelligence Research*,59, 175-227	4	2
49	Motivation, Planning and Interaction **2006**, 163-188		2
48	An Effective Strategy for the Flexible Provisioning of Service Workflows **2007**, 16-30		2
47	Optimal Financially Constrained Bidding in Multiple Simultaneous Auctions **2008**, 190-199		2
46	Continuous Double Auctions with Execution Uncertainty. *Lecture Notes in Business Information Processing*, **2010**, 226-241	0.6	2
45	Mechanism Design for Task Procurement with Flexible Quality of Service. *Lecture Notes in Computer Science*, **2009**, 12-23	0.9	2
44	Different Forms of Responsibility in Multiagent Systems: Sociotechnical Characteristics and Requirements. *IEEE Internet Computing*, **2021**, 1-1	2.4	2
43	Learning from the Veg Box **2018**,		2
42	Risk-Bounded Formation of Fuzzy Coalitions Among Service Agents. *Lecture Notes in Computer Science*, **2006**, 332-346	0.9	2
41	Speeding Up GDL-Based Message Passing Algorithms for Large-Scale DCOPs. *Computer Journal*, **2018**, 61, 1639-1666	1.3	1
40	Task assignment with controlled and autonomous agents. *Mathematical Social Sciences*, **2014**, 71, 116-121	0.7	1
39	Advanced Economic Control of Electricity-Based Space Heating Systems in Domestic Coalitions with Shared Intermittent Energy Resources. *ACM Transactions on Intelligent Systems and Technology* , **2017**, 8, 1-27	8	1
38	Collaborative Learning of Ontology Fragments by Co-operating Agents **2010**,		1
37	A scalable low-cost solution to provide personalized home heating advice to households **2012**,		1
36	Managing Social Influences Through Argumentation-Based Negotiation **2006**, 107-127		1
35	Introduction to the Special Issue of Group Decision and Negotiation 2002: Theory and Practice of Computational Coordination Mechanisms in Multi-Agent Systems. *Group Decision and Negotiation*, **2003**, 12, 357-359	2.5	1

34	Collective Cognition and Emergence in Multi-Agent Systems **2005**, 401-408		1
33	Generating states of joint commitment between autonomous agents. *Lecture Notes in Computer Science*, **1998**, 123-133	0.9	1
32	Sellers Competing for Buyers in Online Markets **2008**, 164-170		1
31	START: Straggler Prediction and Mitigation for Cloud Computing Environments using Encoder LSTM Networks. *IEEE Transactions on Services Computing*, **2021**, 1-1	4.8	1
30	Agreement Technologies. *Lecture Notes in Computer Science*, **2007**, 111-113	0.9	1
29	Sequential Auctions in Uncertain Information Settings. *Lecture Notes in Business Information Processing*, **2008**, 16-29	0.6	1
28	A Faithful Mechanism for Privacy-Sensitive Distributed Constraint Satisfaction Problems. *Lecture Notes in Computer Science*, **2020**, 143-158	0.9	1
27	Privacy-Preserving Dialogues Between Agents: A Contract-Based Incentive Mechanism for Distributed Meeting Scheduling. *Lecture Notes in Computer Science*, **2020**, 299-315	0.9	1
26	Eliciting Expert Advice in Service-Oriented Computing. *Lecture Notes in Business Information Processing*, **2010**, 29-43	0.6	1
25	An Approximation Method for Power Indices for Voting Games. *Studies in Computational Intelligence*, **2010**, 179-194	0.8	1
24	Sequential Auctions with Partially Substitutable Goods. *Lecture Notes in Business Information Processing*, **2010**, 242-258	0.6	1
23	A Generic Agent Organisation Framework for Autonomic Systems. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2010**, 203-219	0.2	1
22	Loss aversion in an agent-based asset pricing model. *Quantitative Finance*, **2020**, 20, 275-290	1.6	1
21	A low-complexity non-intrusive approach to predict the energy demand of buildings over short-term horizons. *Advances in Building Energy Research*, **2020**, 1-12	1.8	1
20	An equilibrium analysis of trading across multiple double auction marketplaces using fictitious play. *Electronic Commerce Research and Applications*, **2016**, 17, 134-149	4.6	1
19	Trustworthy human-AI partnerships. *IScience*, **2021**, 24, 102891	6.1	1
18	iPlugie: Intelligent electric vehicle charging in buildings with grid-connected intermittent energy resources. *Simulation Modelling Practice and Theory*, **2022**, 115, 102439	3.9	0
17	Exploring domestic energy consumption feedback through interactive annotation. *Energy Efficiency* , **2021**, 14, 1	3	0

16	GOSH: Task Scheduling using Deep Surrogate Models in Fog Computing Environments. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 1-1	3.7	0
15	An Analysis of Sequential Auctions for Common and Private Value Objects. *Lecture Notes in Computer Science*, **2006**, 30-42	0.9	0
14	Multiagent Task Coordination as Task Allocation Plus Task Responsibility. *Lecture Notes in Computer Science*, **2020**, 571-588	0.9	0
13	Forgetting Fragments from Evolving Ontologies. *Lecture Notes in Computer Science*, **2010**, 582-597	0.9	0
12	Speeding up distributed pseudo-tree optimization procedures with cross edge consistency to solve DCOPs. *Applied Intelligence*, **2021**, 51, 1733-1746	4.9	0
11	A budget-limited mechanism for category-aware crowdsourcing of multiple-choice tasks. *Artificial Intelligence*, **2021**, 299, 103538	3.6	0
10	Evolutionary Stability of Behavioural Types in the Continuous Double Auction **2006**, 103-117		
9	Negotiation Technologies. *Lecture Notes in Computer Science*, **2003**, 34-36	0.9	
8	Competing Sellers in Online Markets: Reserve Prices, Shill Bidding, and Auction Fees **2006**, 189-203		
7	Computational Service Economies: Design and Applications. *Studies in Computational Intelligence*, **2009**, 1-7	0.8	
6	Designing Trading Agents for Real-World Auctions. *Lecture Notes in Computer Science*, **2010**, 275-285	0.9	
5	The Good, The Bad and The Cautious: Safety Level Cooperative Games. *Lecture Notes in Computer Science*, **2010**, 432-443	0.9	
4	Flexibly Priced Options: A New Mechanism for Sequential Auctions with Complementary Goods. *Lecture Notes in Business Information Processing*, **2012**, 62-75	0.6	
3	Setting Fees in Competing Double Auction Marketplaces: An Equilibrium Analysis. *Lecture Notes in Business Information Processing*, **2012**, 92-108	0.6	
2	A Faithful Mechanism for Incremental Multi-Agent Agreement Problems with Self-Interested and Privacy-Preserving Agents. *SN Computer Science*, **2021**, 2, 1	2	
1	A contract-based incentive mechanism for distributed meeting scheduling: Can agents who value privacy tell the truth?. *Autonomous Agents and Multi-Agent Systems*, **2021**, 35, 1	2	