Michael Luck

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Autonomous agents and multiagent systems. Al Matters, 2021, 7, 29-37.	0.4	5
2	Time-sensitive resource re-allocation strategy for interdependent continuous tasks. Knowledge Engineering Review, 2019, 34, .	2.1	0
3	Adaptive composition in dynamic service environments. Future Generation Computer Systems, 2018, 80, 215-228.	4.9	31
4	Toward personalized and adaptive QoS assessments via context awareness. Computational Intelligence, 2018, 34, 468-494.	2.1	0
5	An Investigation of Argumentation Framework Characteristics. Lecture Notes in Computer Science, 2018, , 1-16.	1.0	1
6	Quantitative analysis of multi-agent systems through statistical verification of simulation traces. International Journal of Agent Oriented Software Engineering, 2018, 6, 156.	0.1	0
7	Team Persuasion. Lecture Notes in Computer Science, 2018, , 159-174.	1.0	Ο
8	Negotiation strategy for continuous long-term tasks in a grid environment. Autonomous Agents and Multi-Agent Systems, 2017, 31, 130-150.	1.3	4
9	Engineering the emergence of norms: a review. Knowledge Engineering Review, 2017, 32, .	2.1	18
10	Establishing norms with metanorms over interaction topologies. Autonomous Agents and Multi-Agent Systems, 2017, 31, 1344-1376.	1.3	7
11	Resource Re-allocation for Data Inter-dependent Continuous Tasks in Grids. Lecture Notes in Computer Science, 2017, , 187-201.	1.0	Ο
12	\$\$ exttt {MC} ^ exttt {2} exttt {MABS} \$\$ MC 2 MABS : A Monte Carlo Model Checker for Multiagent-Based Simulations. Lecture Notes in Computer Science, 2016, , 37-54.	1.0	5
13	A coherence maximisation process for solving normative inconsistencies. Autonomous Agents and Multi-Agent Systems, 2016, 30, 640-680.	1.3	6
14	Probationary Contracts: Reducing Risk in Norm-Based Systems. Lecture Notes in Computer Science, 2016, , 3-18.	1.0	0
15	Establishing norms with metanorms in distributed computational systems. Artificial Intelligence and Law, 2015, 23, 367-407.	3.0	11
16	Natural Language-based Representation of User Preferences. Interacting With Computers, 2015, 27, 133-158.	1.0	5
17	A Context-Aware Approach for Personalised and Adaptive QoS Assessments. Lecture Notes in Computer Science, 2015, , 362-370.	1.0	1
18	Evaluating how agent methodologies support the specification of the normative environment through the development process. Autonomous Agents and Multi-Agent Systems, 2015, 29, 1041-1060.	1.3	0

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19	BDI reasoning with normative considerations. Engineering Applications of Artificial Intelligence, 2015, 43, 127-146.	4.3	24
20	Using reputation and adaptive coalitions to support collaboration in competitive environments. Engineering Applications of Artificial Intelligence, 2015, 45, 325-338.	4.3	9
21	Monitoring compliance with E-contracts and norms. Artificial Intelligence and Law, 2015, 23, 161-196.	3.0	8
22	An introduction to reasoning over qualitative multi-attribute preferences. Knowledge Engineering Review, 2015, 30, 342-372.	2.1	2
23	Decision making with natural language based preferences and psychology-inspired heuristics. Engineering Applications of Artificial Intelligence, 2015, 42, 16-35.	4.3	5
24	Quantitative Analysis of Multiagent Systems Through Statistical Model Checking. Lecture Notes in Computer Science, 2015, , 109-130.	1.0	9
25	Adjustable Fuzzy Inference for Adaptive Grid Resource Negotiation. Studies in Computational Intelligence, 2015, , 37-57.	0.7	4
26	Towards the Disruption of Plans. Lecture Notes in Computer Science, 2015, , 233-250.	1.0	0
27	Arguing from Similar Positions: An Empirical Analysis. Lecture Notes in Computer Science, 2015, , 177-193.	1.0	1
28	Efficient adaptive QoS-based service selection. Service Oriented Computing and Applications, 2014, 8, 261-276.	1.3	7
29	Effective Cooperations Through Non-Monetary Exchanges: A Computational Framework. International Journal of Cooperative Information Systems, 2014, 23, 1450002.	0.6	1
30	Playinghide-and-seek. , 2014, , .		6
31	Monitoring the Impact of Norms upon Organisational Performance: A Simulation Approach. Lecture Notes in Computer Science, 2014, , 103-119.	1.0	1
32	Monitoring the Impact of Norms upon Organisational Performance: A Simulation Approach. Lecture Notes in Computer Science, 2014, , 103-119.	1.0	4
33	Verification and Validation of Agent-Based Simulations Using Approximate Model Checking. Lecture Notes in Computer Science, 2014, , 53-70.	1.0	4
34	An Agent-Based Service Marketplace for Dynamic and Unreliable Settings. Lecture Notes in Computer Science, 2014, , 169-183.	1.0	2
35	Declarative planning in procedural agent architectures. Expert Systems With Applications, 2013, 40, 6508-6520.	4.4	9
36	Self-organizing agent communities for autonomic resource management. Adaptive Behavior, 2013, 21, 3-28.	1.1	4

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37	Self Localization Using a 9DOF IMU Sensor With a Directional Cosine Matrix. , 2013, , .		Ο
38	Norms, organizations, and semantics. Knowledge Engineering Review, 2013, 28, 107-116.	2.1	4
39	Analysing the Suitability of Multiagent Methodologies for e-Health Systems. Lecture Notes in Computer Science, 2013, , 134-150.	1.0	5
40	Social Networking and Information Diffusion in Automated Markets. Lecture Notes in Business Information Processing, 2013, , 1-15.	0.8	1
41	Normative Agents. Law, Governance and Technology Series, 2013, , 209-220.	0.3	11
42	Agent-Oriented Software Engineering of Distributed eHealth Systems. Lecture Notes in Computer Science, 2013, , 332-341.	1.0	2
43	Towards a General Model for Adapting Structure while Maintaining Topology: Pipelines. Lecture Notes in Computer Science, 2013, , 174-191.	1.0	Ο
44	Specifying and implementing social Web services operation using commitments. , 2012, , .		6
45	Optimised Reputation-Based Adaptive Punishment for Limited Observability. , 2012, , .		4
46	The KCLBOT: The Challenges of Stereo Vision for a Small Autonomous Mobile Robot. , 2012, , .		0
47	Using Normative Markov Decision Processes for evaluating electronic contracts. Al Communications, 2012, 25, 1-17.	0.8	10
48	Efficient Correlation-Aware Service Selection. , 2012, , .		36
49	Applying electronic contracting to the aerospace aftercare domain. Engineering Applications of Artificial Intelligence, 2012, 25, 1471-1487.	4.3	15
50	Creativity Through Autonomy and Interaction. Cognitive Computation, 2012, 4, 332-346.	3.6	7
51	An efficient and versatile approach to trust and reputation using hierarchical Bayesian modelling. Artificial Intelligence, 2012, 193, 149-185.	3.9	96
52	Evolutionary testing of autonomous software agents. Autonomous Agents and Multi-Agent Systems, 2012, 25, 260-283.	1.3	49
53	Communicating open systems. Artificial Intelligence, 2012, 186, 38-94.	3.9	48
54	Graphical norms via conceptual graphs. Knowledge-Based Systems, 2012, 29, 31-43.	4.0	11

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55	An Agent-Based Approach to Real-Time Patient Identification for Clinical Trials. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 138-145.	0.2	5
56	Reactive Service Selection in Dynamic Service Environments. Lecture Notes in Computer Science, 2012, , 17-31.	1.0	7
57	Transparent Provenance Derivation for User Decisions. Lecture Notes in Computer Science, 2012, , 111-125.	1.0	3
58	User-Centric Principles in Automated Decision Making. Lecture Notes in Computer Science, 2012, , 42-51.	1.0	2
59	Overcoming Omniscience for Norm Emergence in Axelrod's Metanorm Model. Lecture Notes in Computer Science, 2012, , 186-202.	1.0	4
60	Establishing Norms for Network Topologies. Lecture Notes in Computer Science, 2012, , 203-220.	1.0	2
61	Dynamically Adapting BDI Agents Based on High-Level User Specifications. Lecture Notes in Computer Science, 2012, , 139-163.	1.0	4
62	Efficient Multi-granularity Service Composition. , 2011, , .		28
63	The KCLBOT: A Double Compass Self-Localizing Maneuverable Mobile Robot. , 2011, , .		1
64	The KCLBOT: Exploiting RGB-D Sensor Inputs for Navigation Environment Building and Mobile Robot Localization. International Journal of Advanced Robotic Systems, 2011, 8, 51.	1.3	10
65	Overcoming Omniscience in Axelrod's Model. , 2011, , .		9
66	Norm Establishment via Metanorms in Network Topologies. , 2011, , .		5
67	Graph-Based Norm Explanation. , 2011, , 35-48.		1
68	Acting on Norm Constrained Plans. Lecture Notes in Computer Science, 2011, , 347-363.	1.0	14
69	Flexible Behaviour Regulation in Agent Based Systems. Lecture Notes in Computer Science, 2011, , 99-113.	1.0	2
70	Analyzing Contract Robustness through a Model of Commitments. Lecture Notes in Computer Science, 2011, , 17-36.	1.0	8
71	Weaving a Fabric of Socially Aware Agents. Lecture Notes in Computer Science, 2011, , 263-274.	1.0	2
72	Norm Diversity and Emergence in Tag-Based Cooperation. Lecture Notes in Computer Science, 2011, , 230-249.	1.0	2

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73	Electronic Business Contracts Between Services. , 2010, , 732-747.		Ο
74	Leveraging New Plans in AgentSpeak(PL). Lecture Notes in Computer Science, 2009, , 111-127.	1.0	7
75	Argumentation Based Resolution of Conflicts between Desires and Normative Goals. Lecture Notes in Computer Science, 2009, , 19-36.	1.0	19
76	Towards a Formalisation of Electronic Contracting Environments. Lecture Notes in Computer Science, 2009, , 156-171.	1.0	50
77	Determining the Trustworthiness of New Electronic Contracts. Lecture Notes in Computer Science, 2009, , 132-147.	1.0	8
78	Flexible behaviour regulation in agent based systems. , 2009, , .		1
79	Technology diffusion: analysing the diffusion of agent technologies. Autonomous Agents and Multi-Agent Systems, 2008, 17, 372-396.	1.3	15
80	Autonomic Resource Management through Self-Organising Agent Communities. , 2008, , .		1
81	Composing High-Level Plans for Declarative Agent Programming. Lecture Notes in Computer Science, 2008, , 69-85.	1.0	13
82	Towards a Monitoring Framework for Agent-Based Contract Systems. Lecture Notes in Computer Science, 2008, , 292-305.	1.0	9
83	Introduction to AOSE Tools for the Conference Management System. , 2008, , 164-167.		2
84	Extending Gaia with Agent Design and Iterative Development. , 2008, , 16-30.		4
85	Understanding decentralised control of resource allocation in a minimal multi-agent system. , 2007, , .		4
86	Modelling the provenance of data in autonomous systems. , 2007, , .		10
87	The Agents Are All Busy Doing Stuff!. IEEE Intelligent Systems, 2007, 22, 6-7.	4.0	9
88	Report from the Eighth Agent-Oriented Software Engineering Workshop, AAMAS 2007. International Journal of Agent Oriented Software Engineering, 2007, 1, 498.	0.1	0
89	Motivations as an Abstraction of Meta-level Reasoning. Lecture Notes in Computer Science, 2007, , 204-214.	1.0	7

90 AgentPrIMe: Adapting MAS Designs to Build Confidence. , 2007, , 31-43.

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91	Crossing the agent technology chasm: Lessons, experiences and challenges in commercial applications of agents. Knowledge Engineering Review, 2006, 21, 345-392.	2.1	57
92	Delivering services by building and running virtual organisations. BT Technology Journal, 2006, 24, 141-152.	0.6	7
93	A normative framework for agent-based systems. Computational and Mathematical Organization Theory, 2006, 12, 227-250.	1.5	74
94	TRAVOS: Trust and Reputation in the Context of Inaccurate Information Sources. Autonomous Agents and Multi-Agent Systems, 2006, 12, 183-198.	1.3	382
95	Commercial applications of agents. , 2006, , .		20
96	CONOISE-G., 2006, , .		5
97	Agent-Based Computing and Programming of Agent Systems. Lecture Notes in Computer Science, 2006, , 23-37.	1.0	3
98	Analysing Partner Selection Through Exchange Values. Lecture Notes in Computer Science, 2006, , 24-40.	1.0	6
99	Using Electronic Institutions to Secure Grid Environments. Lecture Notes in Computer Science, 2006, , 461-475.	1.0	5
100	Using MAS Technologies for Intelligent Organizations: A Report of Bottom-Up Results. Lecture Notes in Computer Science, 2006, , 1116-1127.	1.0	2
101	Cooperative Interactions: An Exchange Values Model. Lecture Notes in Computer Science, 2006, , 356-371.	1.0	8
102	Motivation, Planning and Interaction. , 2006, , 163-188.		3
103	Evaluating Dynamic Services in Bioinformatics. Lecture Notes in Computer Science, 2006, , 183-197.	1.0	1
104	Formal Methods and Agent-Based Systems. , 2006, , 65-96.		3
105	Towards Compliance of Agents in Open Multi-agent Systems. , 2006, , 132-147.		4
106	Motivation-Based Selection of Negotiation Opponents. Lecture Notes in Computer Science, 2005, , 119-138.	1.0	3
107	A Protocol for Recording Provenance in Service-Oriented Grids. Lecture Notes in Computer Science, 2005, , 124-139.	1.0	53
108	The Role of Agent Interaction in Models of Computing: Panelist Reviews. Electronic Notes in Theoretical Computer Science, 2005, 141, 181-198.	0.9	5

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109	From SMART to agent systems development. Engineering Applications of Artificial Intelligence, 2005, 18, 129-140.	4.3	5
110	A Probabilistic Trust Model for Handling Inaccurate Reputation Sources. Lecture Notes in Computer Science, 2005, , 193-209.	1.0	69
111	Agent-based virtual organisations for the Grid. Multiagent and Grid Systems, 2005, 1, 237-249.	0.5	33
112	Impact for agents. , 2005, , .		7
113	Agents in bioinformatics. Knowledge Engineering Review, 2005, 20, 117-125.	2.1	11
114	Coping with inaccurate reputation sources. , 2005, , .		118
115	Trust evaluation through relationship analysis. , 2005, , .		43
116	Agent-based computing for next generation apps. Itnow, 2005, 47, 24-25.	0.1	0
117	The agent hell: a scenario of worst-practices in agent-based software engineering. IEEE Potentials, 2005, 24, 23-26.	0.2	0
118	A Framework for Patterns in Gaia: A Case-Study with Organisations. Lecture Notes in Computer Science, 2005, , 174-188.	1.0	12
119	An Agent Construction Model for Ubiquitous Computing Devices. Lecture Notes in Computer Science, 2005, , 158-173.	1.0	3
120	Towards a Protocol for the Attachment of Metadata to Grid Service Descriptions and Its Use in Semantic Discovery. Scientific Programming, 2004, 12, 201-211.	0.5	12
121	A MOTIVATION-BASED PLANNING AND EXECUTION FRAMEWORK. International Journal on Artificial Intelligence Tools, 2004, 13, 5-25.	0.7	23
122	BEST PAPERS FROM EUMAS 2003: THE 1ST EUROPEAN WORKSHOP ON MULTI-AGENT SYSTEMS. Applied Artificial Intelligence, 2004, 18, 775-778.	2.0	0
123	Agent hell: a scenario of worst practices. Computer, 2004, 37, 96-98.	1.2	2
124	The dMARS Architecture: A Specification of the Distributed Multi-Agent Reasoning System. Autonomous Agents and Multi-Agent Systems, 2004, 9, 5-53.	1.3	106
125	A Manifesto for Agent Technology: Towards Next Generation Computing. Autonomous Agents and Multi-Agent Systems, 2004, 9, 203-252.	1.3	163
126	Guest Editorial: Challenges for Agent-Based Computing. Autonomous Agents and Multi-Agent Systems, 2004, 9, 199-201.	1.3	7

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127	Agent-based formation of virtual organisations. Knowledge-Based Systems, 2004, 17, 103-111.	4.0	131
128	A Model of Normative Multi-agent Systems and Dynamic Relationships. Lecture Notes in Computer Science, 2004, , 259-280.	1.0	20
129	Implementing Policy Management through BDI. , 2004, , 144-156.		1
130	CONOISE: Agent-Based Formation of Virtual Organisations. , 2004, , 353-366.		30
131	Unifying Agent Systems. Annals of Mathematics and Artificial Intelligence, 2003, 37, 131-167.	0.9	2
132	Personalised Grid service discovery. IET Software, 2003, 150, 252.	1.0	30
133	On the use of agents in a BioInformatics grid. , 2003, , .		24
134	AUTOMATED NEGOTIATION BETWEEN PUBLISHERS AND CONSUMERS OF GRID NOTIFICATIONS. Parallel Processing Letters, 2003, 13, 537-548.	0.4	29
135	Coalition formation through motivation and trust. , 2003, , .		48
136	Towards a motivation-based approach for evaluating goals. , 2003, , .		2
137	Annotating Cooperative Plans with Trusted Agents. Lecture Notes in Computer Science, 2003, , 87-107.	1.0	3
138	Architectures for Negotiating Agents. , 2003, , 136-146.		24
139	Towards Motivation-Based Decisions for Worth Goals. , 2003, , 17-28.		5
140	Autonomy: Variable and Generative. Multiagent Systems, Artificial Societies, and Simulated Organizations, 2003, , 11-28.	2.5	18
141	Automated Negotiation for Grid Notification Services. Lecture Notes in Computer Science, 2003, , 384-393.	1.0	3
142	Infrastructure Support for Agent-Based Development. Lecture Notes in Computer Science, 2002, , 73-88.	1.0	4
143	Practical and theoretical innovations in multi-agent systems research. Knowledge Engineering Review, 2002, 17, 295-301.	2.1	2
144	Constraining autonomy through norms. , 2002, , .		62

Constraining autonomy through norms. , 2002, , . 144

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145	Soft-link hypertext for information retrieval. Information and Software Technology, 2002, 44, 101-112.	3.0	О
146	Transparent Fault Tolerance for Web Services Based Architectures. Lecture Notes in Computer Science, 2002, , 889-898.	1.0	51
147	Motivated Agent Behaviour and Requirements Applied to Virtual Emergencies. Lecture Notes in Computer Science, 2002, , 44-60.	1.0	2
148	Towards Requirements Analysis for Autonomous Agent Behaviour. Lecture Notes in Computer Science, 2002, , 179-186.	1.0	1
149	Empowered Situations of Autonomous Agents. Lecture Notes in Computer Science, 2002, , 585-595.	1.0	1
150	Multi-agent systems research into the 21st century. Knowledge Engineering Review, 2001, 16, 271-275.	2.1	5
151	Learning in multi-agent systems. Knowledge Engineering Review, 2001, 16, 277-284.	2.1	98
152	A Conceptual Framework for Agent Definition and Development. Computer Journal, 2001, 44, 1-20.	1.5	52
153	Agent interaction for bioinformatics data management. Applied Artificial Intelligence, 2001, 15, 917-947.	2.0	16
154	Designing Agent-Oriented Systems by Analysing Agent Interactions. Lecture Notes in Computer Science, 2001, , 171-183.	1.0	10
155	Autonomy: A Nice Idea in Theory. Lecture Notes in Computer Science, 2001, , 351-353.	1.0	8
156	Plan Analysis for Autonomous Sociological Agents. Lecture Notes in Computer Science, 2001, , 182-197.	1.0	6
157	Formal Agent Development: Framework to System. Lecture Notes in Computer Science, 2001, , 133-147.	1.0	1
158	Can models of agents be transferred between different areas?. Knowledge Engineering Review, 2000, 15, 197-203.	2.1	4
159	Progress in multi-agent systems research. Knowledge Engineering Review, 2000, 15, 285-292.	2.1	4
160	Applying artificial intelligence to virtual reality: Intelligent virtual environments. Applied Artificial Intelligence, 2000, 14, 3-32.	2.0	199
161	Guest editorial: Intelligent virtual environments. Applied Artificial Intelligence, 2000, 14, 1-2.	2.0	4
162	A Formal Architecture for the 3APL Agent Programming Language. Lecture Notes in Computer Science, 2000, , 168-187.	1.0	11

IF # ARTICLE CITATIONS Plagiarism in programming assignments. IEEE Transactions on Education, 1999, 42, 129-133. A secure on-line submission system., 1999, 29, 721-740. 164 23 Continuing research in multi-agent systems. Knowledge Engineering Review, 1999, 14, 279-283. 2.1 Negotiation in multi-agent systems. Knowledge Engineering Review, 1999, 14, 285-289. 166 2.1 77 From definition to deployment: What next for agent-based systems?. Knowledge Engineering Review, 2.1 1999, 14, 119-124. 168 A secure on-line submission system., 1999, 29, 721. 8 Cooperative Plan Selection Through Trust. Lecture Notes in Computer Science, 1999, , 162-174. 1.0 14 A formal specification of dMARS. Lecture Notes in Computer Science, 1998, , 155-176. 170 1.0 171 Engineering AgentSpeak(L): a formal computational model. Journal of Logic and Computation, 1998, 8, 171 233-260. 172 Effective electronic marking for on-line assessment. SIGCSE Bulletin, 1998, 30, 134-138. 0.1 3 Foundations of Multi-Agent Systems: Techniques, Tools and Theory. Knowledge Engineering Review, 2.1 1998, 13, 297-302. Agent Systems and Applications. Knowledge Engineering Review, 1998, 13, 303-308. 174 2.126 Motivated Behaviour for Goal Adoption. Lecture Notes in Computer Science, 1998, , 58-73. 1.0 176 Formalisms for multi-agent systems. Knowledge Engineering Review, 1997, 12, 315-321. 2.144 Foundations of multi-agent systems: issues and directions. Knowledge Engineering Review, 1997, 12, 2.1 307-308. From agent theory to agent construction: A case study. Lecture Notes in Computer Science, 1997, , 178 1.0 39 49-63. Making and breaking engagements: An operational analysis of agent relationships. Lecture Notes in Computer Science, 1997, , 48-62. 179 Software standards in undergraduate computing courses. Journal of Computer Assisted Learning, 180 3.3 9

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1996, 12, 103-113.

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181	Engagement and cooperation in motivated agent modelling. Lecture Notes in Computer Science, 1996, , 70-84.	1.0	31
182	A formal view of social dependence networks. Lecture Notes in Computer Science, 1996, , 115-129.	1.0	20
183	Formalising the Contract Net as a goal-directed system. Lecture Notes in Computer Science, 1996, , 72-85.	1.0	20
184	Automatic submission in an evolutionary approach to computer science teaching. Computers and Education, 1995, 25, 105-111.	5.1	11
185	Paradigma: agent implementation through Jini. , 0, , .		9
186	Sociological agents for effective social action. , 0, , .		1
187	Modelling and simulation of aggregation nets. , 0, , .		0
188	Modelling norms for autonomous agents. , 0, , .		16
189	Minimising intrusiveness in pervasive computing environments using multi-agent negotiation. , 0, , .		13
190	Balancing Conflict and Cost in the Selection of Negotiation Opponents. , 0, , .		1
191	Modelling and Simulating Chained Negotiation to Enable Sharing of Notifications 0		0