

Simon Miles

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

2,153
citations

331670

21
h-index

265206

42
g-index

99
all docs

99
docs citations

99
times ranked

1560
citing authors

#	ARTICLE	IF	CITATIONS
1	A Reputation-based Framework for Honest Provenance Reporting. ACM Transactions on Internet Technology, 2022, 22, 1-31.	4.4	2
2	Detecting False Alarms by Analyzing Alarm-Context Information: Algorithm Development and Validation. JMIR Medical Informatics, 2020, 8, e15407.	2.6	6
3	Time-sensitive resource re-allocation strategy for interdependent continuous tasks. Knowledge Engineering Review, 2019, 34, .	2.6	0
4	Explaining reputation assessments. International Journal of Human Computer Studies, 2019, 123, 1-17.	5.6	4
5	Artificial Intelligence Technologies for Coping with Alarm Fatigue in Hospital Environments Because of Sensory Overload: Algorithm Development and Validation. Journal of Medical Internet Research, 2019, 21, e15406.	4.3	22
6	Adaptive composition in dynamic service environments. Future Generation Computer Systems, 2018, 80, 215-228.	7.5	31
7	Expert system for nutrition care process of older adults. Future Generation Computer Systems, 2018, 80, 368-383.	7.5	26
8	Toward personalized and adaptive QoS assessments via context awareness. Computational Intelligence, 2018, 34, 468-494.	3.2	0
9	Reputation assessment: a review and unifying abstraction. Knowledge Engineering Review, 2018, 33, .	2.6	9
10	Automating Provenance Capture in Software Engineering with UML2PROV. Lecture Notes in Computer Science, 2018, , 58-70.	1.3	5
11	Bottleneck Patterns in Provenance. Lecture Notes in Computer Science, 2018, , 212-216.	1.3	0
12	Negotiation strategy for continuous long-term tasks in a grid environment. Autonomous Agents and Multi-Agent Systems, 2017, 31, 130-150.	2.1	4
13	Engineering the emergence of norms: a review. Knowledge Engineering Review, 2017, 32, .	2.6	18
14	Stereotype Reputation with Limited Observability. Lecture Notes in Computer Science, 2017, , 84-102.	1.3	2
15	Resource Re-allocation for Data Inter-dependent Continuous Tasks in Grids. Lecture Notes in Computer Science, 2017, , 187-201.	1.3	0
16	A service-based system for malnutrition prevention and self-management. Computer Standards and Interfaces, 2016, 48, 225-233.	5.4	8
17	MC 2 MABS : A Monte Carlo Model Checker for Multiagent-Based Simulations. Lecture Notes in Computer Science, 2016, , 37-54.	1.3	5
18	Probationary Contracts: Reducing Risk in Norm-Based Systems. Lecture Notes in Computer Science, 2016, , 3-18.	1.3	0

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19	The rationale of PROV. Web Semantics, 2015, 35, 235-257.	2.9	75
20	A Context-Aware Approach for Personalised and Adaptive QoS Assessments. Lecture Notes in Computer Science, 2015, , 362-370.	1.3	1
21	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.	2.1	0
22	Monitoring compliance with E-contracts and norms. Artificial Intelligence and Law, 2015, 23, 161-196.	4.0	8
23	An introduction to reasoning over qualitative multi-attribute preferences. Knowledge Engineering Review, 2015, 30, 342-372.	2.6	2
24	Decision making with natural language based preferences and psychology-inspired heuristics. Engineering Applications of Artificial Intelligence, 2015, 42, 16-35.	8.1	5
25	Modelling and Analysing Provenance Awareness Infrastructure for SOC systems. , 2015, , .		0
26	Incorporating Mitigating Circumstances into Reputation Assessment. Communications in Computer and Information Science, 2015, , 77-93.	0.5	5
27	Quantitative Analysis of Multiagent Systems Through Statistical Model Checking. Lecture Notes in Computer Science, 2015, , 109-130.	1.3	9
28	Context-Driven Assessment of Provider Reputation in Composite Provision Scenarios. Lecture Notes in Computer Science, 2015, , 53-67.	1.3	2
29	Adjustable Fuzzy Inference for Adaptive Grid Resource Negotiation. Studies in Computational Intelligence, 2015, , 37-57.	0.9	4
30	An Industrial Case Study on Provenance Awareness of Composite Services. , 2014, , .		1
31	A Distributed Service-Based System for Homecare Self-Management. Lecture Notes in Computer Science, 2014, , 361-366.	1.3	2
32	Efficient adaptive QoS-based service selection. Service Oriented Computing and Applications, 2014, 8, 261-276.	1.6	7
33	A Provenance Model of Composite Services in Service-Oriented Environments. , 2014, , .		3
34	Monitoring the Impact of Norms upon Organisational Performance: A Simulation Approach. Lecture Notes in Computer Science, 2014, , 103-119.	1.3	1
35	Monitoring the Impact of Norms upon Organisational Performance: A Simulation Approach. Lecture Notes in Computer Science, 2014, , 103-119.	1.3	4
36	Verification and Validation of Agent-Based Simulations Using Approximate Model Checking. Lecture Notes in Computer Science, 2014, , 53-70.	1.3	4

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37	An Agent-Based Service Marketplace for Dynamic and Unreliable Settings. Lecture Notes in Computer Science, 2014, , 169-183.	1.3	2
38	An Architecture for Justified Assessments of Service Provider Reputation. , 2013, , .		2
39	Provenance-aware pervasive computing in clinical applications. , 2013, , .		2
40	An adaptable architecture for patient cohort identification from diverse data sources. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, e327-e333.	4.4	27
41	Towards design support for provenance awareness. , 2013, , .		5
42	Analysing the Suitability of Multiagent Methodologies for e-Health Systems. Lecture Notes in Computer Science, 2013, , 134-150.	1.3	5
43	Provenance Model for Randomized Controlled Trials. Studies in Computational Intelligence, 2013, , 3-33.	0.9	3
44	Informative Provenance for Repurposed Data: A Case Study using Clinical Research Data. International Journal of Digital Curation, 2013, 8, 27-46.	0.2	4
45	Agent-Oriented Software Engineering of Distributed eHealth Systems. Lecture Notes in Computer Science, 2013, , 332-341.	1.3	2
46	Towards a General Model for Adapting Structure while Maintaining Topology: Pipelines. Lecture Notes in Computer Science, 2013, , 174-191.	1.3	0
47	Using Normative Markov Decision Processes for evaluating electronic contracts. AI Communications, 2012, 25, 1-17.	1.2	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.	8.1	15
50	A Trace-Driven Analysis of Caching in Content-Centric Networks. , 2012, , .		72
51	Evolutionary testing of autonomous software agents. Autonomous Agents and Multi-Agent Systems, 2012, 25, 260-283.	2.1	49
52	Graphical norms via conceptual graphs. Knowledge-Based Systems, 2012, 29, 31-43.	7.1	11
53	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.	0.3	5
54	Reactive Service Selection in Dynamic Service Environments. Lecture Notes in Computer Science, 2012, , 17-31.	1.3	7

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55	Transparent Provenance Derivation for User Decisions. Lecture Notes in Computer Science, 2012, , 111-125.	1.3	3
56	User-Centric Principles in Automated Decision Making. Lecture Notes in Computer Science, 2012, , 42-51.	1.3	2
57	Requirements for Provenance on the Web. International Journal of Digital Curation, 2012, 7, 39-56.	0.2	61
58	Dynamically Adapting BDI Agents Based on High-Level User Specifications. Lecture Notes in Computer Science, 2012, , 139-163.	1.3	4
59	Efficient Multi-granularity Service Composition. , 2011, , .		28
60	The Open Provenance Model core specification (v1.1). Future Generation Computer Systems, 2011, 27, 743-756.	7.5	514
61	Mapping attribution metadata to the Open Provenance Model. Future Generation Computer Systems, 2011, 27, 806-811.	7.5	6
62	PrImE. ACM Transactions on Software Engineering and Methodology, 2011, 20, 1-42.	6.0	44
63	Graph-Based Norm Explanation. , 2011, , 35-48.		1
64	Flexible Behaviour Regulation in Agent Based Systems. Lecture Notes in Computer Science, 2011, , 99-113.	1.3	2
65	Analyzing Contract Robustness through a Model of Commitments. Lecture Notes in Computer Science, 2011, , 17-36.	1.3	8
66	Automatically Adapting Source Code to Document Provenance. Lecture Notes in Computer Science, 2010, , 102-110.	1.3	2
67	A model of process documentation to determine provenance in mash-ups. ACM Transactions on Internet Technology, 2009, 9, 1-31.	4.4	30
68	Towards a Formalisation of Electronic Contracting Environments. Lecture Notes in Computer Science, 2009, , 156-171.	1.3	50
69	Determining the Trustworthiness of New Electronic Contracts. Lecture Notes in Computer Science, 2009, , 132-147.	1.3	8
70	Extracting causal graphs from an open provenance data model. Concurrency Computation Practice and Experience, 2008, 20, 577-586.	2.2	25
71	Provenance: The Bridge Between Experiments and Data. Computing in Science and Engineering, 2008, 10, 38-46.	1.2	30
72	The provenance of electronic data. Communications of the ACM, 2008, 51, 52-58.	4.5	150

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73	Towards a Monitoring Framework for Agent-Based Contract Systems. Lecture Notes in Computer Science, 2008, , 292-305.	1.3	9
74	Modelling the provenance of data in autonomous systems. , 2007, , .		10
75	Connecting Scientific Data to Scientific Experiments with Provenance. , 2007, , .		23
76	Recycling workflows and services through discovery and reuse. Concurrency Computation Practice and Experience, 2007, 19, 181-194.	2.2	19
77	Provenance-based validation of e-science experiments. Web Semantics, 2007, 5, 28-38.	2.9	41
78	The Requirements of Using Provenance in e-Science Experiments. Journal of Grid Computing, 2007, 5, 1-25.	3.9	103
79	AgentPrIME: Adapting MAS Designs to Build Confidence. , 2007, , 31-43.		3
80	EU PROVENANCE Project: An Open Provenance Architecture for Distributed Applications. , 2007, , 45-63.		2
81	PrIME. , 2006, , .		18
82	Provenance in Agent-Mediated Healthcare Systems. IEEE Intelligent Systems, 2006, 21, 38-46.	4.0	107
83	Electronically Querying for the Provenance of Entities. Lecture Notes in Computer Science, 2006, , 184-192.	1.3	16
84	Security Issues in a SOA-Based Provenance System. Lecture Notes in Computer Science, 2006, , 203-211.	1.3	39
85	Provenance-Based Validation of E-Science Experiments. Lecture Notes in Computer Science, 2005, , 801-815.	1.3	27
86	Towards a Protocol for the Attachment of Metadata to Grid Service Descriptions and Its Use in Semantic Discovery. Scientific Programming, 2004, 12, 201-211.	0.7	12
87	Towards a Protocol for the Attachment of Semantic Descriptions to Grid Services. Lecture Notes in Computer Science, 2004, , 230-239.	1.3	17
88	Implementing Policy Management through BDI. , 2004, , 144-156.		1
89	Transparent Fault Tolerance for Web Services Based Architectures. Lecture Notes in Computer Science, 2002, , 889-898.	1.3	51
90	Designing Agent-Oriented Systems by Analysing Agent Interactions. Lecture Notes in Computer Science, 2001, , 171-183.	1.3	10

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91	Provenance-Based Validation of E-Science Experiments. SSRN Electronic Journal, 0, , .	0.4	1
92	The Rationale of PROV. SSRN Electronic Journal, 0, , .	0.4	1