Miriam A M Capretz

List of Publications by Year
in descending order

64 papers	1,883 citations	623188 14 h-index	414034 32 g-index
65 all docs	65 docs citations	65 times ranked	2096 citing authors

#	Article	IF	Citations
1	Machine Learning With Big Data: Challenges and Approaches. IEEE Access, 2017, 5, 7776-7797.	2.6	553
2	Data management in cloud environments: NoSQL and NewSQL data stores. Journal of Cloud Computing: Advances, Systems and Applications, 2013, 2, .	2.1	183
3	An ensemble learning framework for anomaly detection in building energy consumption. Energy and Buildings, 2017, 144, 191-206.	3.1	172
4	Transfer learning with seasonal and trend adjustment for cross-building energy forecasting. Energy and Buildings, 2018, 165, 352-363.	3.1	126
5	Energy Forecasting for Event Venues: Big Data and Prediction Accuracy. Energy and Buildings, 2016, 112, 222-233.	3.1	124
6	Challenges for MapReduce in Big Data. , 2014, , .		97
7	Contextual anomaly detection framework for big sensor data. Journal of Big Data, 2015, 2, .	6.9	85
8	An approach for SDN traffic monitoring based on big data techniques. Journal of Network and Computer Applications, 2019, 131, 28-39.	5.8	55
9	Storing massive Resource Description Framework (RDF) data: a survey. Knowledge Engineering Review, 2016, 31, 391-413.	2.1	53
10	A Dependency Impact Analysis Model for Web Services Evolution. , 2009, , .		43
11	Online Trust: Definition and Principles. , 2010, , .		39
12	CEPSim: Modelling and simulation of Complex Event Processing systems in cloud environments. Future Generation Computer Systems, 2016, 65, 122-139.	4.9	37
13	Integration of business process modeling and Web services: a survey. Service Oriented Computing and Applications, 2014, 8, 105-128.	1.3	25
14	Transformer-Based Model for Electrical Load Forecasting. Energies, 2022, 15, 4993.	1.6	22
15	Blockchain for Collaborative Businesses. Mobile Networks and Applications, 2021, 26, 277-284.	2.2	18
16	Metamodel for privacy policies within SOA. , 2009, , .		17
17	Intelligent security and access control framework for service-oriented architecture. Information and Software Technology, 2010, 52, 220-236.	3.0	17
18	Trust-based Service-Oriented Architecture. Journal of King Saud University - Computer and Information Sciences, 2016, 28, 470-480.	2.7	16

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19	ML4IoT: A Framework to Orchestrate Machine Learning Workflows on Internet of Things Data. IEEE Access, 2019, 7, 152953-152967.	2.6	12
20	A Multi-Agent Framework for Testing Distributed Systems. , 2006, , .		11
21	Quality of Security Service for Web Services within SOA. , 2009, , .		10
22	Software configuration management issues in the maintenance of existing systems. Journal of Software: Evolution and Process, 1994, 6, 1-14.	0.5	9
23	Security Protocols in Service-Oriented Architecture. , 2010, , .		9
24	Moving from SaaS Applications towards SOA Services. , 2010, , .		9
25	Dependency and Entropy Based Impact Analysis for Service-Oriented System Evolution. , 2011, , .		9
26	Energy slices: benchmarking with time slicing. Energy Efficiency, 2018, 11, 521-538.	1.3	8
27	Use of Data Mining to Enhance Security for SOA. , 2008, , .		7
28	Trust in Web Services. , 2010, , .		7
29	Trust bootstrapping services and service providers. , 2011, , .		7
30	Collaborative knowledge as a service applied to the disaster management domain. International Journal of Cloud Computing, 2015, 4, 5.	0.3	7
31	Assets Predictive Maintenance Using Convolutional Neural Networks. , 2019, , .		6
32	Personalities, cultures and software modeling: Questions, scenarios and research directions. , 2009, , .		5
33	Query Analyzer and Manager for Complex Event Processing as a Service. , 2014, , .		5
34	Transfer Learning by Similarity Centred Architecture Evolution for Multiple Residential Load Forecasting. Smart Cities, 2021, 4, 217-240.	5.5	5
35	A Policy Driven Approach for Service-Oriented Business Rule Management. , 2007, , .		4
36	Privacy Protection Mechanisms for Web Service Technology. , 2010, , .		4

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37	A Multi-layered Approach for the Declarative Development of Data Providing Services. , 2011, , .		4
38	Towards a unified trust framework for trust establishment and trust based service selection. , 2011, , .		4
39	Fineâ€grained filtering to provide access control for data providing services within collaborative environments. Concurrency Computation Practice and Experience, 2015, 27, 1445-1466.	1.4	4
40	A Heterogeneous Edge-Fog Environment Supporting Digital Twins for Remote Inspections. Sensors, 2020, 20, 5296.	2.1	4
41	A MapReduce Approach for Traffic Matrix Estimation in SDN. IEEE Access, 2020, 8, 149065-149076.	2.6	4
42	'fuzzy ProjectManager' â€" FRAMEWORK FOR SOFTWARE PROJECT MANAGEMENT USING FUZZY LOGIC. International Journal of Innovation and Technology Management, 2004, 01, 435-453.	0.8	3
43	An authorization model for Web Services within SOA. , 2008, , .		3
44	A service dependency model for multiple service version synchronization. , 2009, , .		3
45	Furthering the Growth of Cloud Computing by Providing Privacy as a Service. Lecture Notes in Computer Science, 2011, , 64-78.	1.0	3
46	Attributed Graph Rewriting for Complex Event Processing Self-Management. ACM Transactions on Autonomous and Adaptive Systems, 2016, 11, 1-39.	0.4	3
47	Heath-PRIOR: An Intelligent Ensemble Architecture to Identify Risk Cases in Healthcare. IEEE Access, 2020, 8, 217150-217168.	2.6	3
48	Deep neural network for load forecasting centred on architecture evolution. , 2020, , .		3
49	A process oriented semantic healthcare service composition. , 2009, , .		2
50	Privacy and trust policies within SOA. , 2009, , .		2
51	Using contract and ontology for privacy protection in Service-Oriented Architecture. , 2010, , .		2
52	Fine-Grained Filtering of Data Providing Web Services with XACML. , 2012, , .		2
53	ODEP-DPS: Ontology-driven engineering process for the collaborative development of semantic data providing services. Information and Software Technology, 2013, 55, 1563-1579.	3.0	2
54	A Service Oriented Ontology Management Framework in the Automotive Retail Domain. , 2008, , .		1

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55	Support systems for Telehealth services: Critical operational and ICT complementary assets for large-scale provisioning. , 2009, , .		1
56	(CF)2 architecture: contextual collaborative filtering. Information Retrieval, 2018, 21, 541-564.	1.6	1
57	A Privacy Service for Comparison of Privacy and Trust Policies within SOA. Advances in Information Security, Privacy, and Ethics Book Series, 2012, , 248-265.	0.4	1
58	An edge–fog architecture for distributed 3D reconstruction. Future Generation Computer Systems, 2022, 135, 146-158.	4.9	1
59	An Edge-Fog Architecture for Distributed 3D Reconstruction and Remote Monitoring of a Power Plant Site in the Context of 5G. Sensors, 2022, 22, 4494.	2.1	1
60	An Ontology Based Architecture for a Free Software Portal. , 2008, , .		0
61	QoSS Policies within SOA. , 2009, , .		0
62	Developing Proactive Security Dimensions for SOA. , 2013, , 900-922.		0
63	Developing Proactive Security Dimensions for SOA. , 0, , 254-276.		0
64	eWound-PRIOR: An Ensemble Framework for Cases Prioritization After Orthopedic Surgeries. Lecture Notes in Networks and Systems, 2021, , 113-125.	0.5	0