

Kyriakos Kritikos

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,074
citations

687363

13
h-index

552781

26
g-index

81
all docs

81
docs citations

81
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed service-level agreement management with smart contracts and blockchain. Concurrency Computation Practice and Experience, 2021, 33, e5800.	2.2	33
2	Are Cloud Platforms Ready for Multi-cloud?. Lecture Notes in Computer Science, 2020, , 56-73.	1.3	7
3	Towards Configurable Cloud Application Security. , 2019, , .		2
4	Towards an Optimized, Cloud-Agnostic Deployment of Hybrid Applications. Lecture Notes in Business Information Processing, 2019, , 435-449.	1.0	1
5	Simulation-as-a-Service with Serverless Computing. , 2019, , .		6
6	Towards the Modelling of Hybrid Cloud Applications. , 2019, , .		10
7	A survey on data storage and placement methodologies for Cloud-Big Data ecosystem. Journal of Big Data, 2019, 6, .	11.0	63
8	The cloud application modelling and execution language. Journal of Cloud Computing: Advances, Systems and Applications, 2019, 8, .	3.9	23
9	Multi-cloud provisioning of business processes. Journal of Cloud Computing: Advances, Systems and Applications, 2019, 8, .	3.9	8
10	Towards Configurable Vulnerability Assessment in the Cloud. , 2019, , .		0
11	A Distributed Cross-Layer Monitoring System Based on QoS Metrics Models. Communications in Computer and Information Science, 2018, , 189-200.	0.5	0
12	Reprint of "Towards a security-enhanced PaaS platform for multi-cloud applications". Future Generation Computer Systems, 2018, 78, 155-175.	7.5	5
13	Towards Distributed SLA Management with Smart Contracts and Blockchain. , 2018, , .		25
14	A Review of Serverless Frameworks. , 2018, , .		43
15	IaaS Service Selection Revisited. Lecture Notes in Computer Science, 2018, , 170-184.	1.3	2
16	Towards Dynamic and Optimal Big Data Placement. , 2018, , .		1
17	Towards Model-Driven Application Security across Clouds. , 2018, , .		1
18	CEP-Based SLO Evaluation. Communications in Computer and Information Science, 2018, , 20-34.	0.5	1

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19	A Flexible Semantic KPI Measurement System. Communications in Computer and Information Science, 2018, , 237-261.	0.5	1
20	SLO-Driven Monitoring and Adaptation of Multi-Cloud Service-Based Applications. Advances in Computer and Electrical Engineering Book Series, 2018, , 43-65.	0.3	0
21	A specification-based QoS-aware design framework for service-based applications. Service Oriented Computing and Applications, 2017, 11, 301-314.	1.6	8
22	Towards a security-enhanced PaaS platform for multi-cloud applications. Future Generation Computer Systems, 2017, 67, 206-226.	7.5	23
23	Operational integration in primary health care: patient encounters and workflows. BMC Health Services Research, 2017, 17, 788.	2.2	17
24	A Cross-Layer BPaaS Adaptation Framework. , 2017, , .		12
25	White Paper on Research Data Service Discoverability. Publications, 2017, 5, 1.	3.8	7
26	Towards Semantic KPI Measurement. , 2017, , .		4
27	A Cross-layer Monitoring Solution based on Quality Models. , 2017, , .		0
28	Semantic SLA for Clouds: Combining SLAC and OWL-Q. , 2017, , .		0
29	Towards Knowledge-Based Assisted IaaS Selection. , 2016, , .		8
30	Privacy Aware on-Demand Resource Provisioning for IoT Data Processing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 87-95.	0.3	2
31	Semantic SLAs for Services with Q-SLA. Procedia Computer Science, 2016, 97, 24-33.	2.0	4
32	Security-Based Adaptation of Multi-cloud Applications. Lecture Notes in Computer Science, 2016, , 47-64.	1.3	2
33	Subsumption Reasoning for QoS-Based Service Matchmaking. Lecture Notes in Computer Science, 2016, , 87-101.	1.3	0
34	Towards Combined Functional and Non-functional Semantic Service Discovery. Lecture Notes in Computer Science, 2016, , 102-117.	1.3	2
35	An Integrated Meta-model for Cloud Application Security Modelling. Procedia Computer Science, 2016, 97, 84-93.	2.0	17
36	Semantic SLAs for Services with Q-SLA. , 2016, , .		2

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37	A Modelling Environment for Business Process as a Service. Lecture Notes in Business Information Processing, 2016, , 181-192.	1.0	7
38	Security Enforcement for Multi-Cloud Platforms – The Case of PaaS. Procedia Computer Science, 2015, 68, 103-115.	2.0	4
39	Integration of DSLs and Migration of Models: A Case Study in the Cloud Computing Domain. Procedia Computer Science, 2015, 68, 53-66.	2.0	6
40	Multi-cloud Application Design through Cloud Service Composition. , 2015, , .		32
41	A Cloud-Based, Geospatial Linked Data Management System. Lecture Notes in Computer Science, 2015, , 59-89.	1.3	2
42	Event Pattern Discovery in Multi-Cloud Service-Based Applications. International Journal of Systems and Service-Oriented Engineering, 2015, 5, 78-103.	0.6	4
43	Event Pattern Discovery for Cross-Layer Adaptation of Multi-cloud Applications. Lecture Notes in Computer Science, 2014, , 138-147.	1.3	3
44	SRL: A Scalability Rule Language for Multi-cloud Environments. , 2014, , .		35
45	Task model-driven realization of interactive application functionality through services. ACM Transactions on Interactive Intelligent Systems, 2014, 3, 1-31.	3.7	10
46	Novel Optimal and Scalable Nonfunctional Service Matchmaking Techniques. IEEE Transactions on Services Computing, 2014, 7, 614-627.	4.6	16
47	Lifecycle management of service-based applications on multi-clouds. , 2013, , .		25
48	Towards Cross-Layer Monitoring of Multi-Cloud Service-Based Applications. Lecture Notes in Computer Science, 2013, , 188-195.	1.3	21
49	Goal-based business service composition. Service Oriented Computing and Applications, 2013, 7, 231-257.	1.6	2
50	A survey on service quality description. ACM Computing Surveys, 2013, 46, 1-58.	23.0	91
51	Linked open GeoData management in the cloud. , 2013, , .		4
52	Towards optimizing the non-functional service matchmaking time. , 2012, , .		0
53	Towards Proactive Cross-Layer Service Adaptation. Lecture Notes in Computer Science, 2012, , 704-711.	1.3	9
54	ECMAF: An Event-Based Cross-Layer Service Monitoring and Adaptation Framework. Lecture Notes in Computer Science, 2012, , 147-161.	1.3	10

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55	Towards Optimal and Scalable Non-functional Service Matchmaking Techniques. , 2012, , .		4
56	Towards Aligning and Matchmaking QoS-Based Web Service Specifications. , 2012, , 216-257.		3
57	An Automatic Requirements Negotiation Approach for Business Services. , 2011, , .		2
58	A Goal-Based Business Service Selection Approach. , 2011, , .		3
59	Service discovery supported by task models. , 2010, , .		3
60	Modeling context-aware and socially-enriched mashups. , 2010, , .		7
61	Service Composition. Lecture Notes in Computer Science, 2010, , 55-84.	1.3	13
62	Modeling and Negotiating Service Quality. Lecture Notes in Computer Science, 2010, , 157-208.	1.3	6
63	Task-driven service discovery and selection. , 2010, , .		2
64	Energy-Aware Design of Service-Based Applications. Lecture Notes in Computer Science, 2009, , 99-114.	1.3	29
65	Mixed-Integer Programming for QoS-Based Web Service Matchmaking. IEEE Transactions on Services Computing, 2009, 2, 122-139.	4.6	69
66	Requirements for QoS-Based Web Service Description and Discovery. IEEE Transactions on Services Computing, 2009, 2, 320-337.	4.6	130
67	A Semantic Based Framework for Supporting Negotiation in Service Oriented Architectures. , 2009, , .		9
68	A Semantic QoS-Based Web Service Discovery Engine for Over-Constrained QoS Demands. Lecture Notes in Computer Science, 2009, , 151-164.	1.3	0
69	Evaluation of QoS-Based Web Service Matchmaking Algorithms. , 2008, , .		5
70	Requirements for QoS-based Web Service Description and Discovery. Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007, , .	0.0	15
71	Semantic QoS-based Web Service Discovery Algorithms. , 2007, , .		29
72	A Semantic QoS-based Web Service Discovery Algorithm for Over-Constrained Demands. , 2007, , .		9

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73	Semantic QoS Metric Matching. , 2006, , .		88
74	A Service Infrastructure for e-Science: The Case of the ARION System. , 2002, , 175-187.		3
75	Enhancing the Web Service Description and Discovery Processes with QoS. , 0, , 114-150.		1