

Bert Lagaisse

List of Publications by Year in descending order

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67
papers

432
citations

1163117

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70
all docs

70
docs citations

70
times ranked

294
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a container-based architecture for multi-tenant SaaS applications. , 2016, , .		28
2	Middleware for efficient and confidentiality-aware federation of access control policies. Journal of Internet Services and Applications, 2014, 5, 1.	2.1	27
3	CryptDICE: Distributed data protection system for secure cloud data storage and computation. Information Systems, 2021, 96, 101671.	3.6	25
4	Entity-Based Access Control. , 2015, , .		23
5	A Comprehensive Feature Comparison Study of Open-Source Container Orchestration Frameworks. Applied Sciences (Switzerland), 2019, 9, 931.	2.5	22
6	Towards portability and interoperability support in middleware for hybrid clouds. , 2014, , .		19
7	True and Transparent Distributed Composition of Aspect-Components. Lecture Notes in Computer Science, 2006, , 42-61.	1.3	19
8	On the Performance Impact of Data Access Middleware for NoSQL Data Stores A Study of the Trade-Off between Performance and Migration Cost. IEEE Transactions on Cloud Computing, 2018, 6, 843-856.	4.4	13
9	A generic and reflective debugging architecture to support runtime visibility and traceability of aspects. , 2009, , .		12
10	Policy-Driven Data Management Middleware for Multi-cloud Storage in Multi-tenant SaaS. , 2015, , .		12
11	Adaptive Performance Isolation Middleware for Multi-tenant SaaS. , 2015, , .		12
12	The Web Browser as Distributed Application Server. , 2019, , .		11
13	Streamlining Development for Networked Embedded Systems Using Multiple Paradigms. IEEE Software, 2010, 27, 45-52.	1.8	10
14	PaaS Hopper: Policy-driven middleware for multi-PaaS environments. Journal of Internet Services and Applications, 2015, 6, .	2.1	10
15	Component-Based Open Middleware Supporting Aspect-Oriented Software Composition. Lecture Notes in Computer Science, 2005, , 139-154.	1.3	9
16	Characterizing the performance of tenant data management in multi-tenant cloud authorization systems. , 2014, , .		8
17	A comparative study of workflow customization strategies: Quality implications for multi-tenant SaaS. Journal of Systems and Software, 2018, 144, 423-438.	4.5	8
18	A Reflective Framework for Fine-Grained Adaptation of Aspect-Oriented Compositions. , 2008, , 215-230.		8

#	ARTICLE	IF	CITATIONS
19	Performance overhead of container orchestration frameworks for management of multi-tenant database deployments. , 2019, , .		8
20	The case for aspect-oriented reflective middleware. , 2007, , .		7
21	Thread-level resource consumption control of tenant custom code in a shared JVM for multi-tenant SaaS. Future Generation Computer Systems, 2021, 115, 351-364.	7.5	7
22	Reducing cold starts during elastic scaling of containers in kubernetes. , 2021, , .		7
23	Federated Authorization for Software-as-a-Service Applications. Lecture Notes in Computer Science, 2013, , 342-359.	1.3	7
24	Analysis of architectural variants for auditable blockchain-based private data sharing. , 2019, , .		7
25	A permission system for secure AOP. , 2010, , .		6
26	Toward efficient and confidentiality-aware federation of access control policies. , 2012, , .		6
27	Amusa. , 2015, , .		6
28	Infracomposer: Policy-driven adaptive and reflective middleware for the cloudification of simulation & optimization workflows. Journal of Systems Architecture, 2019, 95, 36-46.	4.3	6
29	OWebSync: Seamless Synchronization of Distributed Web Clients. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2338-2351.	5.6	6
30	Towards application driven security dashboards in future middleware. Journal of Internet Services and Applications, 2012, 3, 107-115.	2.1	5
31	Policy-driven middleware for heterogeneous, hybrid cloud platforms. , 2013, , .		5
32	You Don't Need a Ledger. , 2019, , .		5
33	Dynamic Composition of Cross-Organizational Features in Distributed Software Systems. Lecture Notes in Computer Science, 2010, , 183-197.	1.3	5
34	Managing Feature Compatibility in Kubernetes: Vendor Comparison and Analysis. IEEE Access, 2020, 8, 228420-228439.	4.2	5
35	Authenticated and auditable data sharing via smart contract. , 2020, , .		5
36	Adaptive and reflective middleware for the cloudification of simulation & optimization workflows. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
37	Evaluation of Container Orchestration Systems for Deploying and Managing NoSQL Database Clusters. , 2018, , .		4
38	Leveraging Kubernetes for adaptive and cost-efficient resource management. , 2019, , .		4
39	SEQUOIA: A Middleware Supporting Policy-Based Access Control for Search and Aggregation in Data-Driven Applications. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 325-339.	5.4	4
40	DataBlinder. , 2019, , .		4
41	Feasibility of container orchestration for adaptive performance isolation in multi-tenant SaaS applications. , 2020, , .		4
42	The elementary pointcut pattern. , 2007, , .		3
43	Policy-driven customization of cross-organizational features in distributed service systems. Software - Practice and Experience, 2013, 43, 1145-1163.	3.6	3
44	WF-Interop. , 2015, , .		3
45	Privacy and Access Control in Federated Social Networks. Lecture Notes in Computer Science, 2014, , 160-179.	1.3	3
46	Multi-view refinement of AO-connectors in distributed software systems. , 2012, , .		2
47	Scalable and Secure Concurrent Evaluation of History-based Access Control Policies. , 2015, , .		2
48	On the suitability of black-box performance monitoring for SLA-driven cloud provisioning scenarios. , 2015, , .		2
49	A framework for black-box SLO tuning of multi-tenant applications in Kubernetes. , 2019, , .		2
50	SEQUOIA: Scalable Policy-Based Access Control for Search Operations in Data-Driven Applications. Lecture Notes in Computer Science, 2017, , 1-18.	1.3	2
51	Flexible Migration in Blue-Green Deployments within a Fixed Cost. , 2020, , .		2
52	Expect the unexpected. , 2018, , .		1
53	Inspection of distributed and composed systems. , 2011, , .		0
54	A domain specific aspect language for run-time inspection. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Introducing concurrency in policy-based access control. , 2013, , .		0
56	Advanced monitoring and smart auto-scaling of NoSQL systems. , 2015, , .		0
57	A shared multi-stakeholder platform for IoT. , 2017, , .		0
58	Transparent IO access control for application-level tenant isolation. , 2018, , .		0
59	SCEW. , 2021, , .		0
60	Shared memory protection in a multi-tenant JVM. , 2021, , .		0
61	Modularity and Variability of Distributed Software Architectures through Multi-view Refinement of AO-Connectors. Lecture Notes in Computer Science, 2013, , 109-147.	1.3	0
62	Improving Reuse of Attribute-Based Access Control Policies Using Policy Templates. Lecture Notes in Computer Science, 2015, , 196-210.	1.3	0
63	Idea: Supporting Policy-Based Access Control on Database Systems. Lecture Notes in Computer Science, 2016, , 251-259.	1.3	0
64	A Voucher-Based Security Middleware for Secure Business Process Outsourcing. Lecture Notes in Computer Science, 2017, , 19-35.	1.3	0
65	Journal First Presentation of a Comparative Study of Workflow Customization Strategies. , 2019, , .		0
66	Multi-stage Aspect-Oriented Composition of Component-Based Applications. , 2007, , 630-647.		0
67	ThunQ: A Distributed and Deep Authorization Middleware for Early and Lazy Policy Enforcement in Microservice Applications. Lecture Notes in Computer Science, 2021, , 204-220.	1.3	0