

Daniel A Menascã©

List of Publications by Year in descending order

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65
papers

964
citations

933447

10
h-index

713466

21
g-index

66
all docs

66
docs citations

66
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	In search of invariants for e-business workloads. , 2000, , .		102
2	Business-oriented resource management policies for e-commerce servers. Performance Evaluation, 2000, 42, 223-239.	1.2	100
3	SASSY: A Framework for Self-Architecting Service-Oriented Systems. IEEE Software, 2011, 28, 78-85.	1.8	94
4	Utility-based QoS Brokering in Service Oriented Architectures. , 2007, , .		62
5	Student Perceptions of Engineering Entrepreneurship: An Exploratory Study. Journal of Engineering Education, 2006, 95, 153-164.	3.0	55
6	Capacity planning for IaaS cloud providers offering multiple service classes. Future Generation Computer Systems, 2017, 77, 97-111.	7.5	35
7	A Taxonomy of Job Scheduling on Distributed Computing Systems. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3412-3428.	5.6	34
8	A method for evaluating the impact of software configuration parameters on e-commerce sites. , 2005, , .		28
9	Performance Modeling of Moving Target Defenses with Reconfiguration Limits. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 205-219.	5.4	28
10	Performance Modeling of Moving Target Defenses. , 2017, , .		26
11	Efficient Response Time Approximations for Multiclass Fork and Join Queues in Open and Closed Queuing Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1437-1446.	5.6	23
12	QoS architectural patterns for self-architecting software systems. , 2010, , .		21
13	Self-Architecting Software SYstems (SASSY) from QoS-annotated activity models. , 2009, , .		17
14	Analysis and optimization based on reusable knowledge base of process performance models. International Journal of Advanced Manufacturing Technology, 2017, 88, 337-357.	3.0	17
15	Utility-Based Optimal Service Selection for Business Processes in Service Oriented Architectures. , 2010, , .		16
16	The Insider Threat Security Architecture: A Framework for an Integrated, Inseparable, and Uninterrupted Self-Protection Mechanism. , 2009, , .		15
17	FogQN: An Analytic Model for Fog/Cloud Computing. , 2018, , .		15
18	Simple analytic modeling of software contention. Performance Evaluation Review, 2002, 29, 24-30.	0.6	15

#	ARTICLE	IF	CITATIONS
19	Autonomic Allocation of Communicating Virtual Machines in Hierarchical Cloud Data Centers. , 2014, , .		13
20	DARE: A Distributed Adaptation and Failure Recovery Framework for Software Systems. , 2017, , .		13
21	Autonomic Resource Management Using Analytic Models for Fog/Cloud Computing. , 2019, , .		13
22	An analytic model of hierarchical mass storage systems with network-attached storage devices. Performance Evaluation Review, 1996, 24, 180-189.	0.6	12
23	Two-level workload characterization of online auctions. Electronic Commerce Research and Applications, 2007, 6, 192-208.	5.0	12
24	Policy-Based Enforcement of Database Security Configuration through Autonomic Capabilities. , 2008, , .		12
25	An Autonomic Framework for Integrating Security and Quality of Service Support in Databases. , 2012, , .		11
26	Autonomic smart manufacturing. Journal of Decision Systems, 2015, 24, 206-224.	3.2	10
27	Predicting the Effect of Memory Contention in Multi-Core Computers Using Analytic Performance Models. IEEE Transactions on Computers, 2015, 64, 2279-2292.	3.4	10
28	Near-Optimal Allocation of VMs from IaaS Providers by SaaS Providers. , 2015, , .		10
29	Toward smart manufacturing using decision analytics. , 2014, , .		8
30	Factory optima: a web-based system for composition and analysis of manufacturing service networks based on a reusable model repository. International Journal of Computer Integrated Manufacturing, 2019, 32, 206-224.	4.6	8
31	Model-based Recovery Connectors for Self-adaptation and Self-healing. , 2016, , .		8
32	Analysis and optimization in smart manufacturing based on a reusable knowledge base for process performance models. , 2015, , .		7
33	Characterization of IoT Workloads. Lecture Notes in Computer Science, 2019, , 1-15.	1.3	7
34	Defeating the insider threat via autonomic network capabilities. , 2011, , .		6
35	Countering Network-Centric Insider Threats through Self-Protective Autonomic Rule Generation. , 2012, , .		6
36	A meta-controller method for improving run-time self-architecting in SOA systems. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
37	Analysis and Autonomic Elasticity Control for Multi-Server Queues under Traffic Surges. , 2017, , .		6
38	Efficient modeling and optimizing of checkpointing in concurrent component-based software systems. Journal of Systems and Software, 2018, 139, 1-13.	4.5	6
39	Model-Driven Elasticity Control for Multi-Server Queues under Traffic Surges in Cloud Environments. , 2018, , .		6
40	A business-oriented load dispatching framework for online auction sites. , 2007, , .		5
41	Analytic Models of Applications in Multi-core Computers. , 2013, , .		5
42	Analyzing robot behavior in e-business sites. Performance Evaluation Review, 2001, 29, 338-339.	0.6	4
43	Performance Model Derivation of Operational Systems through Log Analysis. , 2016, , .		4
44	Manufacturing and contract service networks: Composition, optimization and tradeoff analysis based on a reusable repository of performance models. , 2017, , .		4
45	An Analytic Model of Traffic Surges for Multi-Server Queues in Cloud Environments. , 2018, , .		4
46	A formal analysis of performance-security tradeoffs under frequent task reconfigurations. Future Generation Computer Systems, 2022, 127, 252-262.	7.5	4
47	MARVIN: A Web-Based System for Representing, Retrieving, and Visualizing Analogies. World Wide Web, 2004, 7, 385-419.	4.0	3
48	Improving the Performance of Online Auctions Through Server-side Activity-based Caching. World Wide Web, 2007, 10, 181-204.	4.0	3
49	Self-protecting and self-optimizing database systems. , 2013, , .		3
50	Autonomic Elasticity Control for Multi-Server Queues Under Generic Workload Surges in Cloud Environments. IEEE Transactions on Cloud Computing, 2022, 10, 984-995.	4.4	3
51	Server-Side Caching Strategies for Online Auction Sites. Lecture Notes in Computer Science, 2005, , 231-244.	1.3	3
52	Reusable component interconnection patterns for distributed software architectures. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2001, 26, 69-77.	0.7	3
53	Decision-Guided Self-Architecting Framework for integrated distribution and Energy Management. , 2011, , .		2
54	A contention aware hybrid evaluator for schedulers of big data applications in computer clusters. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
55	TDQN: Trace-driven analytic queuing network modeling of computer systems. Journal of Systems and Software, 2019, 147, 162-171.	4.5	2
56	Optimizing Stochastic Temporal Manufacturing Processes with Inventories: An Efficient Heuristic Algorithm Based on Deterministic Approximations. , 2015, , 30-46.		2
57	Data-Driven Derivation of an Analytic Model for Parallel Servers With Job Replication. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2435-2452.	5.6	2
58	Pythia and Pythia/WK: tools for the performance analysis of mass storage systems. Software - Practice and Experience, 1997, 27, 1035-1054.	3.6	1
59	Variable Recovery and Adaptation Connectors for Dynamic Software Product Lines. , 2017, , .		1
60	Trust But Verify: A Framework for the Trustworthiness of Distributed Systems. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2105-2121.	5.4	1
61	Self-managed Computer Systems: Foundations and Examples. Lecture Notes in Business Information Processing, 2020, , 17-36.	1.0	1
62	Modular Modeling and Optimization of Temporal Manufacturing Processes with Inventories. , 2016, , .		0
63	Stochastic decision optimisation based on deterministic approximations of processes described as closed-form arithmetic simulation. Journal of Decision Systems, 2018, 27, 227-235.	3.2	0
64	A decentralized approach for discovering runtime software architectural models of distributed software systems. Information and Software Technology, 2021, 131, 106476.	4.4	0
65	Stochastic Optimization Algorithm based on Deterministic Approximations. , 2021, , .		0