Mauro Caporuscio

List of Publications by Year
in descending order

50 papers	627 citations	840585 11 h-index	752573 20 g-index
52 all docs	52 docs citations	52 times ranked	442 citing authors

#	ARTICLE	IF	CITATIONS
1	Using log analytics and process mining to enable self-healing in the Internet of Things. Environment Systems and Decisions, 2022, 42, 234-250.	1.9	4
2	A Research Agenda for Smarter Cyber-Physical Systems. Journal of Integrated Design and Process Science, 2022, 25, 27-47.	0.2	4
3	A Machine Learning Approach to Service Discovery for Microservice Architectures. Lecture Notes in Computer Science, 2021, , 66-82.	1.0	1
4	Performance Modelling of Intelligent Transportation Systems: Experience Report. , 2021, , .		0
5	Resilience learning through self adaptation in digital twins of human-cyber-physical systems. , 2021, , .		7
6	A Research Agenda for Smarter Cyber-Physical Systems. Journal of Integrated Design and Process Science, 2021, , 1-21.	0.2	5
7	EA Blueprint: An Architectural PatternÂfor Resilient Digital Twin of the Organization. Communications in Computer and Information Science, 2021, , 120-131.	0.4	2
8	Smart-troubleshooting connected devices: Concept, challenges and opportunities. Future Generation Computer Systems, 2020, 111, 681-697.	4.9	20
9	Safety integrity through self-adaptation for multi-sensor event detection: Methodology and case-study. Future Generation Computer Systems, 2020, 112, 965-981.	4.9	19
10	Decentralized learning for self-adaptive QoS-aware service assembly. Future Generation Computer Systems, 2020, 108, 210-227.	4.9	15
11	Towards a Continuous Model-Based Engineering Process for QoS-Aware Self-adaptive Systems. Lecture Notes in Computer Science, 2020, , 69-76.	1.0	0
12	Data-Driven Fault Diagnosis of Once-through Benson Boilers. , 2019, , .		2
13	To what extent formal methods are applicable for performance analysis of smart cyber-physical systems?. , 2019, , .		2
14	SA-Chord: A Self-Adaptive P2P Overlay Network. , 2018, , .		5
15	CyPhEF. , 2018, , .		14
16	Building designâ€time and runâ€time knowledge for QoSâ€based component assembly. Software - Practice and Experience, 2017, 47, 1905-1922.	2.5	3
17	IoT-Enabled Physical Telerehabilitation Platform. , 2017, , .		11
18	Model-Driven Engineering of Decentralized Control in Cyber-Physical Systems. , 2017, , .		10

#	Article	IF	Citations
19	Aligning architectures for sustainability. , 2016, , .		3
20	Reinforcement Learning Techniques for Decentralized Self-adaptive Service Assembly. Lecture Notes in Computer Science, 2016, , 53-68.	1.0	10
21	G<sc>o</sc>P<sc>rime</sc>: A Fully Decentralized Middleware for Utility-Aware Service Assembly. IEEE Transactions on Software Engineering, 2016, 42, 136-152.	4.3	20
22	Pure Edge Computing Platform for the Future Internet. Lecture Notes in Computer Science, 2016, , 458-469.	1.0	5
23	Design for Sustainability = Runtime Adaptation âˆ Evolution. , 2015, , .		17
24	QoS-based Feedback for Service Compositions. , 2015, , .		5
25	Engineering Future Internet applications: The Prime approach. Journal of Systems and Software, 2015, 106, 9-27.	3.3	17
26	Model-driven engineering of middleware-based ubiquitous services. Software and Systems Modeling, 2014, 13, 481-511.	2.2	1
27	ubiREST: A RESTful Service-Oriented Middleware for Ubiquitous Networking. , 2014, , 475-500.		6
28	Microevolution of Pervasive Services. , 2013, , .		0
29	Resource-Oriented Middleware Abstractions for Pervasive Computing. , 2012, , .		4
30	Engineering Emergent Semantics into Pervasive Resource Discovery. , 2012, , .		1
31	ubiSOAP: A Service-Oriented Middleware for Ubiquitous Networking. IEEE Transactions on Services Computing, 2012, 5, 86-98.	3.2	59
32	PaCE: A Data-Flow Coordination Language for Asynchronous Network-Based Applications. Lecture Notes in Computer Science, 2012, , 51-67.	1.0	4
33	RESTful Service Architectures for Pervasive Networking Environments. , 2011, , 401-422.		5
34	Model-Driven Management of Services. , 2010, , .		11
35	Exploring Multi-Path Communication in Hybrid Mobile Ad Hoc Networks. International Journal of Ambient Computing and Intelligence, 2010, 2, 1-12.	0.8	1
36	Architecting Service Oriented Middleware for pervasive networking. , 2009, , .		0

#	Article	IF	Citations
37	ARAMIS 2008: The First Int. Workshop on Automated engineeRing of Autonomic and run-tiMe evolvIng Systems. , 2008, , .		0
38	ubiSOAP: A Service Oriented Middleware for Seamless Networking. Lecture Notes in Computer Science, 2008, , 195-209.	1.0	16
39	Energetic performance of service-oriented multi-radio networks. , 2007, , .		30
40	A Perspective on the Future of Middleware-based Software Engineering. , 2007, , .		68
41	Model-based system reconfiguration for dynamic performance management. Journal of Systems and Software, 2007, 80, 455-473.	3.3	31
42	A UML 2.0 Profile for Architecting B3G Applications. Lecture Notes in Computer Science, 2007, , 18-34.	1.0	4
43	Rapid System Development Via Product Line Architecture Implementation. Lecture Notes in Computer Science, 2006, , 18-33.	1.0	0
44	Run-time performance management of the Siena publish/subscribe middleware. , 2005, , .		10
45	Uncertain event-based model for egocentric context sensing. , 2005, , .		3
46	Engineering MDA into Compositional Reasoning for Analyzing Middleware-Based Applications. Lecture Notes in Computer Science, 2005, , 130-145.	1.0	1
47	Formal Analysis of Architectural Patterns. Lecture Notes in Computer Science, 2004, , 10-24.	1.0	13
48	Design and evaluation of a support service for mobile, wireless publish/subscribe applications. IEEE Transactions on Software Engineering, 2003, 29, 1059-1071.	4.3	122
49	The Application of Dependence Analysis to Software Architecture Descriptions. Lecture Notes in Computer Science, 2003, , 52-62.	1.0	18
50	Yet another framework for supporting mobile and collaborative work. , 0, , .		11