Michele Amoretti

List of Publications by Year
in descending order

97 papers	1,018 citations	759233 12 h-index	752698 20 g-index
101 all docs	101 docs citations	101 times ranked	864 citing authors

#	Article	IF	Citations
1	Noise-adaptive quantum compilation strategies evaluated with application-motivated benchmarks. , 2022, , .		2
2	A Scalable and Secure Publish/Subscribe-Based Framework for Industrial IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 3815-3825.	11.3	18
3	Compiler Design for Distributed Quantum Computing. IEEE Transactions on Quantum Engineering, 2021, 2, 1-20.	4.9	42
4	CNN-based multivariate data analysis for bitcoin trend prediction. Applied Soft Computing Journal, 2021, 101, 107065.	7.2	51
5	ReSS: A tool for discovering relevant sets in complex systems. SoftwareX, 2021, 14, 100693.	2.6	0
6	Deterministic algorithms for compiling quantum circuits with recurrent patterns. Quantum Information Processing, 2021, 20, 1.	2.2	4
7	Semantic Identifiers and DNS Names for IoT. , 2021, , .		3
8	Proximal Gamma-Ray Spectroscopy: An Effective Tool to Discern Rain from Irrigation. Remote Sensing, 2021, 13, 4103.	4.0	3
9	Private Set Intersection with Delegated Blind Quantum Computing. , 2021, , .		0
10	Entanglement Verification in Quantum Networks With Tampered Nodes. IEEE Journal on Selected Areas in Communications, 2020, 38, 598-604.	14.0	17
11	Enhancing distributed functional monitoring with quantum protocols. Quantum Information Processing, 2019, 18, 1.	2.2	2
12	An Improved Relevance Index Method to Search Important Structures in Complex Systems. Communications in Computer and Information Science, 2019, , 3-16.	0.5	0
13	A Holistic Approach for Collaborative Workload Execution in Volunteer Clouds. ACM Transactions on Modeling and Computer Simulation, 2018, 28, 1-27.	0.8	7
14	Searching Relevant Variable Subsets in Complex Systems Using K-Means PSO. Communications in Computer and Information Science, 2018, , 308-321.	0.5	8
15	P2P-PL: A pattern language to design efficient and robust peer-to-peer systems. Peer-to-Peer Networking and Applications, 2018, 11, 518-547.	3.9	4
16	An open Web application framework for peer-to-peer location-based services. Concurrency Computation Practice and Experience, 2018, 30, e4254.	2.2	2
17	An Iterative Information-Theoretic Approach to the Detection of Structures in Complex Systems. Complexity, 2018, 2018, 1-15.	1.6	12
18	Efficient and effective quantum compiling for entanglement-based machine learning on IBM Q devices. International Journal of Quantum Information, 2018, 16, 1840006.	1.1	17

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19	A Smart Precision-Agriculture Platform for Linear Irrigation Systems. , 2018, , .		13
20	A Relevance Index Method to Infer Global Properties of Biological Networks. Communications in Computer and Information Science, 2018, , 129-141.	0.5	5
21	Blockchain-Based Proof of Location. , 2018, , .		35
22	IoTChain: A blockchain security architecture for the Internet of Things. , 2018, , .		151
23	GPU-Based Parallel Search of Relevant Variable Sets in Complex Systems. Communications in Computer and Information Science, 2017, , 14-25.	0.5	11
24	DINAS: A Lightweight and Efficient Distributed Naming Service for All-IP Wireless Sensor Networks. IEEE Internet of Things Journal, 2017, 4, 670-684.	8.7	11
25	UTravel: Smart Mobility with a Novel User Profiling and Recommendation Approach. Pervasive and Mobile Computing, 2017, 38, 474-489.	3.3	42
26	Adgt.js: A Web Application Framework for Peer-to-Peer Location-Based Services. Lecture Notes in Computer Science, 2017, , 248-259.	1.3	2
27	Distributed reputation management for service-oriented peer-to-peer enterprise communities. International Journal of Computational Science and Engineering, 2016, 13, 147.	0.5	2
28	Efficient Search of Relevant Structures in Complex Systems. Lecture Notes in Computer Science, 2016, , 35-48.	1.3	15
29	Evaluation of Advanced Routing Strategies with Information-Theoretic Complexity Measures. Communications in Computer and Information Science, 2016, , 145-153.	0.5	0
30	<scp>AVOCLOUDY</scp>: a simulator of volunteer clouds. Software - Practice and Experience, 2016, 46, 3-30.	3.6	9
31	Impact of different auto-scaling strategies on adaptive Mobile Cloud Computing systems. , 2016, , .		0
32	Measuring the complexity of adaptive peer-to-peer systems. Peer-to-Peer Networking and Applications, 2016, 9, 1031-1046.	3.9	6
33	An autonomic approach for P2P/cloud collaborative environments. Peer-to-Peer Networking and Applications, 2016, 9, 1226-1241.	3.9	2
34	Combining geo-referencing and network coding for distributed large-scale information management. Concurrency Computation Practice and Experience, 2015, 27, 3295-3315.	2.2	3
35	A formalized framework for mobile cloud computing. Service Oriented Computing and Applications, 2015, 9, 229-248.	1.6	4
36	Toward Collective Self-Awareness and Self-Expression in Distributed Systems. Computer, 2015, 48, 29-36.	1.1	4

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37	Wireless Communications for Vehicular Ad-Hoc Networks. Intelligent Systems Reference Library, 2015, , 51-89.	1.2	0
38	Hierarchical Architecture for Cross Layer ITS Communications. Intelligent Systems Reference Library, 2015, , 91-119.	1.2	0
39	Collective Self-Awareness and Self-Expression for Efficient Network Exploration. Lecture Notes in Computer Science, 2015, , 3-16.	1.3	0
40	Modeling and Simulation of Network-on-Chip Systems with DEVS and DEUS. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	2
41	A Simulation Platform for Large-Scale Internet of Things Scenarios in Urban Environments. , 2014, , .		49
42	A computational field framework for collaborative task execution in volunteer clouds. , 2014, , .		19
43	Evolutionary strategies for ultra-large-scale autonomic systems. Information Sciences, 2014, 274, 1-16.	6.9	4
44	Towards a Formal Approach to Mobile Cloud Computing. , 2014, , .		5
45	A cost-effective approach to software-in-the-loop simulation of pervasive systems and applications. , 2014, , .		6
46	An Adaptive Peer-to-Peer Overlay Scheme for Location-Based Services. , 2014, , .		8
47	Sporadic decentralized resource maintenance for P2P distributed storage networks. Journal of Parallel and Distributed Computing, 2014, 74, 2029-2038.	4.1	3
48	Honest vs Cheating Bots in PATROL-Based Real-Time Strategy MMOGs. , 2014, , 225-238.		2
49	Code Migration in Mobile Clouds with the NAM4J Middleware. , 2013, , .		3
50	Investigating the Resilience of Unstructured Supernode Networks. IEEE Communications Letters, 2013, 17, 1272-1275.	4.1	2
51	Sensor data fusion for activity monitoring in the PERSONA ambient assisted living project. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 67-84.	4.9	44
52	Efficient autonomic cloud computing using online discrete event simulation. Journal of Parallel and Distributed Computing, 2013, 73, 767-776.	4.1	16
53	Simulating mobile and distributed systems with DEUS and ns-3. , 2013, , .		23
54	Introducing artificial evolution into peer-to-peer networks with the distributed remodeling framework. Genetic Programming and Evolvable Machines, 2013, 14, 127-153.	2.2	1

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55	Collaborative Mobile Application and Advanced Services for Smart Parking. , 2013, , .		27
56	A Cooperative Approach for Distributed Task Execution in Autonomic Clouds. , 2013, , .		15
57	Patents on IPv6-Related Technologies. Recent Patents on Computer Science, 2013, 6, 170-180.	0.5	1
58	A joint peer-to-peer and network coding approach for large scale information management. , 2012, , .		0
59	A Modeling Framework for Unstructured Supernode Networks. IEEE Communications Letters, 2012, 16, 1707-1710.	4.1	7
60	Towards a flexible middleware for context-aware pervasive and wearable systems. Medical and Biological Engineering and Computing, 2012, 50, 1127-1136.	2.8	5
61	A decentralized smartphone based Traffic Information System. , 2012, , .		14
62	Mobile Architecture for Dynamic Generation and Scalable Distribution of Sensor-Based Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 219-232.	0.3	0
63	Global Ambient Intelligence: An autonomic approach. , 2012, , .		8
64	Proactive neighbor localization based on distributed geographic table. International Journal of Pervasive Computing and Communications, 2011, 7, 240-263.	1.3	12
65	Towards a peer-to-peer hydrogen economy framework. International Journal of Hydrogen Energy, 2011, 36, 6376-6386.	7.1	17
66	Evaluating the robustness of the DGT approach for smartphone-based vehicular networks. , 2011, , .		13
67	Parallel &amp; distributed simulation with DEUS. , 2011, , .		1
68	A Design Framework for Ultra-Large-Scale Autonomic Systems. Lecture Notes in Computer Science, 2011, , 12-21.	1.3	0
69	Towards fully autonomic peer-to-peer systems. Procedia Computer Science, 2010, 1, 2639-2648.	2.0	1
70	Architectural paradigms for robotics applications. Advanced Engineering Informatics, 2010, 24, 4-13.	8.0	26
71	Proactive neighbor localization based on distributed geographic table. , 2010, , .		6
72	A Practical Network Coding Approach for Peer-to-Peer Distributed Storage. , 2010, , .		6

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73	Service migration within the cloud: Code mobility in SP2A. , 2010, , .		11
74	GeoKad: A P2P distributed localization protocol. , 2010, , .		18
75	Towards a flexible middleware for context-aware pervasive and wearable systems. , 2010, , .		3
76	Fulfilling the vision of fully autonomic peer-to-peer systems. , 2010, , .		3
77	Sensor Data Fusion for Activity Monitoring in Ambient Assisted Living Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 206-221.	0.3	11
78	Peer-to-Peer Service Sharing on Mobile Platforms. , 2010, , 180-201.		0
79	A Survey of Peer- to -Peer Overlay Schemes: Effectiveness, Efficiency and Security. Recent Patents on Computer Science, 2010, 2, 195-213.	0.5	7
80	A Service-Oriented Framework Supporting Ubiquitous Disaster Response. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 252-265.	0.3	1
81	The peer-to-peer paradigm applied to hydrogen energy distribution. , 2009, , .		2
82	A Framework for Evolutionary Peer-to-Peer Overlay Schemes. Lecture Notes in Computer Science, 2009, , 61-70.	1.3	11
83	Secure Service Invocation in a Peer-to-Peer Environment Using JXTA-SOAP. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 202-213.	0.3	1
84	A Survey of Peer- to -Peer Overlay Schemes: Effectiveness, Efficiency and Security. Recent Patents on Computer Science, 2009, 2, 195-213.	0.5	13
85	DEUS: a Discrete Event Universal Simulator. , 2009, , .		39
86	An Evaluation Criterion for Adaptive Neighbor Selection in Heterogeneous Peer-to-Peer Networks. Lecture Notes in Computer Science, 2009, , 144-156.	1.3	2
87	JXTA-SOAP: Implementing Service-Oriented Ubiquitous Computing Platforms for Ambient Assisted Living. Lecture Notes in Computer Science, 2008, , 75-90.	1.3	4
88	Reputation-based service selection in a peer-to-peer mobile environment. , 2008, , .		1
89	Peer-to-Peer Infrastructure for Multi-knowledge Workflows. , 2007, , .		0
90	A Service-Oriented Approach for Building Autonomic Peer-to-Peer Robot Systems. , 2007, , .		3

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91	Multi-Knowledge: Collaborative Environments for the Extraction of New Knowledge from Heterogenous Medical Data Sources. , 2007, , 69-77.		0
92	Designing Grid services for multimedia streaming in an e-learning environment. Concurrency Computation Practice and Experience, 2006, 18, 911-923.	2.2	6
93	Performance evaluation of advanced routing algorithms for unstructured peer-to-peer networks. , 2006, , .		8
94	Telerobotic systems design based on real-time CORBA. Journal of Field Robotics, 2005, 22, 183-201.	0.7	4
95	Introducing Secure Peergroups in SP2A. , 0, , .		6
96	SP2A: Enabling Service-Oriented Grids using a Peer-to-Peer Approach. , 0, , .		4
97	D4V: a peer-to-peer architecture for data dissemination in smartphone-based vehicular applications. PeerJ Computer Science, 0, 1, e15.	4.5	5