

Michele Albano

List of Publications by Year in descending order

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58
papers

478
citations

1162889

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g-index

59
all docs

59
docs citations

59
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Online Exploration and Coverage Algorithms in Continuous Space. , 2022, , .		1
2	A Model-Checking Static Analysis of Task-Based Energy Neutrality for Energy Harvesting IoT. , 2021, , .		1
3	Web of Things Interoperability for the Arrowhead Framework. , 2021, , .		0
4	An Open Source Framework Approach to Support Condition Monitoring and Maintenance. Applied Sciences (Switzerland), 2020, 10, 6360.	1.3	8
5	Advanced sensor-based maintenance in real-world exemplary cases. Automatika, 2020, 61, 537-553.	1.2	6
6	AoI-Based Multicast Routing Over Voronoi Overlays With Minimal Overhead. IEEE Access, 2020, 8, 168611-168624.	2.6	0
7	Arrowhead Framework services for condition monitoring and maintenance based on the open source approach. , 2019, , .		3
8	A Methodology for the Design of Safety-Compliant and Secure Communication of Autonomous Vehicles. IEEE Access, 2019, 7, 125022-125037.	2.6	14
9	Reengineering the lifecycle of Arrowhead applications: from skeletons to the client library. , 2019, , .		5
10	Towards a Framework for Interoperable and Interconnected CPS-populated Systems for Proactive Maintenance. , 2018, , .		6
11	Sensors: The Enablers for Proactive Maintenance in the Real World. , 2018, , .		4
12	The Arrowhead Framework applied to energy management. , 2018, , .		2
13	Remote maintenance support with the aid of cyber-physical systems and cloud technology. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 784-794.	0.7	6
14	A pilot for proactive maintenance in industry 4.0. , 2017, , .		28
15	Quality of service on the arrowhead framework. , 2017, , .		10
16	3 The Arrowhead Framework architecture. , 2017, , 43-88.		21
17	4 Arrowhead Framework core systems and services. , 2017, , 89-138.		5
18	7 Application system design - energy optimisation. , 2017, , 211-246.		0

#	ARTICLE	IF	CITATIONS
19	Lessons Learned in Building a Middleware for Smart Grids. Journal of Green Engineering (discontinued), 2016, 6, 1-26.	0.7	4
20	Energy Consumption Awareness for Resource-Constrained Devices: Extension to FPGA. Journal of Green Engineering (discontinued), 2016, 6, 1-27.	0.7	5
21	ENCOURAGEing results on ICT for energy efficient buildings. , 2016, , .		1
22	Multidimensional range queries on hierarchical Voronoi overlays. Journal of Computer and System Sciences, 2016, 82, 1161-1179.	0.9	11
23	Energy consumption awareness for resource-constrained devices. , 2016, , .		2
24	Extending publish/subscribe mechanisms to SOA applications. , 2016, , .		12
25	QoS-as-a-Service in the local cloud. , 2016, , .		10
26	CANDi: context-aware node discovery for short-range cooperation. Transactions on Emerging Telecommunications Technologies, 2015, 26, 861-875.	2.6	10
27	Message-oriented middleware for smart grids. Computer Standards and Interfaces, 2015, 38, 133-143.	3.8	50
28	Replication vs erasure coding in data centric storage for wireless sensor networks. Computer Networks, 2015, 77, 42-55.	3.2	15
29	Convergence of Smart Grid ICT Architectures for the Last Mile. IEEE Transactions on Industrial Informatics, 2015, 11, 187-197.	7.2	37
30	RoutesMobilityModel. , 2015, , .		9
31	Feature Extraction in Densely Sensed Environments: Extensions to Multiple Broadcast Domains. International Journal of Distributed Sensor Networks, 2015, 11, 457537.	1.3	0
32	Arrowhead compliant virtual market of energy. , 2014, , .		17
33	Feature Extraction in Densely Sensed Environments. , 2014, , .		1
34	Use of negative information in positioning and tracking algorithms. Telecommunication Systems, 2013, 53, 285-298.	1.6	2
35	How many are you (an approach for the smart dust world)?. , 2013, , .		3
36	QoS enabled middleware for real-time industrial control systems. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	A self-adaptive approximate interpolation scheme for dense sensing. , 2013, , .		0
38	The ENCOURAGE ICT architecture for heterogeneous smart grids. , 2013, , .		9
39	Location assisted energy efficiency for multi-interfaced mobile terminals. , 2012, , .		2
40	Throughput fairness analysis of reservation protocols of WiMedia MAC. , 2012, , .		0
41	Context based node discovery mechanism for energy efficiency in wireless networks. , 2012, , .		4
42	Towards 3D video delivery over heterogeneous networks: The ROMEO approach. , 2012, , .		6
43	Smart interface switching for energy efficient vertical handovers in ns-2. IET Communications, 2012, 6, 2228.	1.5	8
44	Context Parameter Prediction to Prolong Mobile Terminal Battery Life. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 476-489.	0.2	5
45	Use of Negative Information in Positioning Algorithms. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 206-217.	0.2	0
46	A Novel Relay Selection Game in Cooperative Wireless Networks Based on Combinatorial Optimization. , 2011, , .		14
47	Dealing with Nonuniformity in Data Centric Storage for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1398-1406.	4.0	27
48	Data Centric Storage in ZigBee Wireless Sensor Networks. , 2010, , .		3
49	Hivory: Range Queries on Hierarchical Voronoi Overlays. , 2010, , .		11
50	Hierarchical p2p overlays for DVE: An Additively Weighted Voronoi based approach. , 2009, , .		3
51	AOI cast by tolerance based compass routing in Distributed Virtual Environments. , 2009, , .		8
52	Efficient Broadcast on Area of Interest in Voronoi Overlays. , 2009, , .		3
53	Distributed Erasure Coding in Data Centric Storage for wireless sensor networks. , 2009, , .		11
54	Publish/subscribe in wireless sensor networks based on data centric storage. , 2009, , .		10

#	ARTICLE	IF	CITATIONS
55	Information Assurance in Critical Infrastructures via Wireless Sensor Networks. , 2008, , .		1
56	VoRaQue: Range queries on Voronoi overlays. , 2008, , .		5
57	Q-NiGHT: Adding QoS to Data Centric Storage in Non-Uniform Sensor Networks. , 2007, , .		29
58	Programming a Sensor Network in a layered middleware architecture. , 0, , .		2