

Bartolome Rubio

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,096
citations

759055

12
h-index

434063

31
g-index

52
all docs

52
docs citations

52
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	State-of-the-art, challenges, and open issues in the integration of Internet of things and cloud computing. <i>Journal of Network and Computer Applications</i> , 2016, 67, 99-117.	5.8	569
2	A survey on quality of service support in wireless sensor and actor networks: Requirements and challenges in the context of critical infrastructure protection. <i>Journal of Network and Computer Applications</i> , 2011, 34, 1225-1239.	5.8	74
3	Middleware and communication technologies for structural health monitoring of critical infrastructures: A survey. <i>Computer Standards and Interfaces</i> , 2018, 56, 83-100.	3.8	49
4	Kafka-ML: Connecting the data stream with ML/AI frameworks. <i>Future Generation Computer Systems</i> , 2022, 126, 15-33.	4.9	28
5	PS-QUASAR: A publish/subscribe QoS aware middleware for Wireless Sensor and Actor Networks. <i>Journal of Systems and Software</i> , 2013, 86, 1650-1662.	3.3	27
6	Programming Approaches and Challenges for Wireless Sensor Networks. , 2007, , .		25
7	A service-oriented approach to facilitate WSN application development. <i>Ad Hoc Networks</i> , 2011, 9, 430-452.	3.4	24
8	HERO: A hierarchical, efficient and reliable routing protocol for wireless sensor and actor networks. <i>Computer Communications</i> , 2012, 35, 1392-1409.	3.1	24
9	An open source framework based on Kafka-ML for Distributed DNN inference over the Cloud-to-Things continuum. <i>Journal of Systems Architecture</i> , 2021, 118, 102214.	2.5	19
10	Smart Winery: A Real-Time Monitoring System for Structural Health and Ullage in Fino Style Wine Casks. <i>Sensors</i> , 2018, 18, 803.	2.1	18
11	Sensor4PRI: A Sensor Platform for the Protection of Railway Infrastructures. <i>Sensors</i> , 2015, 15, 4996-5019.	2.1	17
12	RAISE: RAILway Infrastructure Health Monitoring Using Wireless SEnsor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013, , 143-157.	0.2	14
13	Facilitating the monitoring and management of structural health in civil infrastructures with an Edge/Fog/Cloud architecture. <i>Computer Standards and Interfaces</i> , 2022, 81, 103600.	3.8	14
14	A Component Framework for Wireless Sensor and Actor Networks. , 2006, , .		12
15	Using standards to integrate soft real-time components into dynamic distributed architectures. <i>Computer Standards and Interfaces</i> , 2012, 34, 238-262.	3.8	12
16	Distributed Shared Memory as an Approach for Integrating WSNs and Cloud Computing. , 2012, , .		11
17	Using Wireless Sensor Networks and Trains as Data Mules to Monitor Slab Track Infrastructures. <i>Sensors</i> , 2015, 15, 15101-15126.	2.1	11
18	A Service-Oriented Middleware for Wireless Sensor and Actor Networks. , 2009, , .		10

#	ARTICLE	IF	CITATIONS
19	A Virtual Channel-Based Framework for the Integration of Wireless Sensor Networks in the Cloud. , 2014, , .		10
20	NeuralSens: A neural network based framework to allow dynamic adaptation in wireless sensor and actor networks. Journal of Network and Computer Applications, 2012, 35, 382-393.	5.8	9
21	Wireless sensor networks and structural health monitoring: Experiences with slab track infrastructures. International Journal of Distributed Sensor Networks, 2019, 15, 155014771982600.	1.3	9
22	Managing and Deploying Distributed and Deep Neural Models Through Kafka-ML in the Cloud-to-Things Continuum. IEEE Access, 2021, 9, 125478-125495.	2.6	9
23	USEME: A Service-Oriented Framework for Wireless Sensor and Actor Networks. , 2008, , .		8
24	: A distributed real-time logic language. Computer Languages, Systems and Structures, 1997, 23, 87-120.	0.3	7
25	A Border-based Coordination Language for Integrating Task and Data Parallelism. Journal of Parallel and Distributed Computing, 2002, 62, 715-740.	2.7	7
26	\$\$lambda \$\$ -CoAP: An Internet of Things and Cloud Computing Integration Based on the Lambda Architecture and CoAP. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 195-206.	0.2	7
27	Experiences with component-oriented technologies in nuclear power plant simulators. Software - Practice and Experience, 2006, 36, 1489-1512.	2.5	6
28	Domain interaction patterns to coordinate HPF tasks. Parallel Computing, 2003, 29, 925-951.	1.3	5
29	TCMote: a tuple channel coordination model for wireless sensor networks. , 0, , .		5
30	A Real-Time Component-Oriented Middleware for Wireless Sensor and Actor Networks. , 2007, , .		5
31	Distributed Programming with a Logic Channel-based Coordination Model. Computer Journal, 1996, 39, 876-889.	1.5	4
32	A Coordination Middleware for Wireless Sensor Networks. , 0, , .		4
33	Programming Wireless Sensor and Actor Networks with TC-WSANs. , 2007, , .		4
34	A component-based nuclear power plant simulator kernel. Concurrency Computation Practice and Experience, 2007, 19, 593-607.	1.4	4
35	A tuple channel-based coordination model for parallel and distributed programming. Journal of Parallel and Distributed Computing, 2007, 67, 1092-1107.	2.7	4
36	Run-time deployment and management of CoAP resources for the Internet of Things. International Journal of Distributed Sensor Networks, 2017, 13, 155014771769896.	1.3	4

#	ARTICLE	IF	CITATIONS
37	Integrating Task and Data Parallelism by Means of Coordination Patterns. Lecture Notes in Computer Science, 2001, , 16-26.	1.0	4
38	A CCA-compliant Nuclear Power Plant Simulator Kernel. Lecture Notes in Computer Science, 2005, , 283-297.	1.0	3
39	Adding Aspect-Oriented Concepts to the High-Performance Component Model of SBASCO. , 2009, , .		3
40	Appdaptivity: An Internet of Things Device-Decoupled System for Portable Applications in Changing Contexts. Sensors, 2018, 18, 1345.	2.1	3
41	Performance analysis of wireless sensor networks and priority queueing systems. International Journal of Sensor Networks, 2019, 30, 126.	0.2	3
42	TC-WSANs: A Tuple Channel based Coordination Model for Wireless Sensor and Actor Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	2
43	FogPi: A Portable Fog Infrastructure through Raspberry Pis. , 2020, , .		2
44	Multilingual and multiparadigm integration of a tuple channel-based coordination model. , 1998, , .		1
45	DIP. , 2001, , .		1
46	Habitat: A DDS-based service framework for smart spaces. , 2010, , .		1
47	A wireless sensor network framework based on light databases. Software - Practice and Experience, 2013, 43, 501-523.	2.5	1
48	SocCoAP: Social Interaction with Supplementary Sensors and Actuators through CoAP in Smartphones. , 2017, , .		0
49	Dynamic Reconfiguration of Scientific Components Using Aspect Oriented Programming: A Case Study. Lecture Notes in Computer Science, 2006, , 1351-1360.	1.0	0
50	Managing Multi-concern Application Complexity in AspectSBASCO. Lecture Notes in Computer Science, 2009, , 133-142.	1.0	0