

# Bartolome Rubio

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45  
papers

759  
citations

10  
h-index

27  
g-index

52  
ext. papers

928  
ext. citations

3  
avg, IF

4.49  
L-index

#	Paper	IF	Citations
45	Kafka-ML: Connecting the data stream with ML/AI frameworks. <i>Future Generation Computer Systems</i> , <b>2022</b> , 126, 15-33	7.5	3
44	Facilitating the monitoring and management of structural health in civil infrastructures with an Edge/Fog/Cloud architecture. <i>Computer Standards and Interfaces</i> , <b>2021</b> , 81, 103600	3.5	2
43	Managing and Deploying Distributed and Deep Neural Models Through Kafka-ML in the Cloud-to-Things Continuum. <i>IEEE Access</i> , <b>2021</b> , 9, 125478-125495	3.5	0
42	An open source framework based on Kafka-ML for Distributed DNN inference over the Cloud-to-Things continuum. <i>Journal of Systems Architecture</i> , <b>2021</b> , 118, 102214	5.5	3
41	Performance analysis of wireless sensor networks and priority queueing systems. <i>International Journal of Sensor Networks</i> , <b>2019</b> , 30, 126	0.8	2
40	Wireless sensor networks and structural health monitoring: Experiences with slab track infrastructures. <i>International Journal of Distributed Sensor Networks</i> , <b>2019</b> , 15, 155014771982600	1.7	5
39	Middleware and communication technologies for structural health monitoring of critical infrastructures: A survey. <i>Computer Standards and Interfaces</i> , <b>2018</b> , 56, 83-100	3.5	35
38	Smart Winery: A Real-Time Monitoring System for Structural Health and Ullage in Fino Style Wine Casks. <i>Sensors</i> , <b>2018</b> , 18,	3.8	13
37	Appdaptivity: An Internet of Things Device-Decoupled System for Portable Applications in Changing Contexts. <i>Sensors</i> , <b>2018</b> , 18,	3.8	2
36	Run-time deployment and management of CoAP resources for the Internet of Things. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771769896	1.7	3
35	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> , <b>2016</b> , 67, 99-117	7.9	423
34	(lambda )-CoAP: An Internet of Things and Cloud Computing Integration Based on the Lambda Architecture and CoAP. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2016</b> , 195-206	0.2	3
33	Sensor4PRI: a sensor platform for the protection of railway infrastructures. <i>Sensors</i> , <b>2015</b> , 15, 4996-5019,3.8	3.8	13
32	Using Wireless Sensor Networks and Trains as Data Mules to Monitor Slab Track Infrastructures. <i>Sensors</i> , <b>2015</b> , 15, 15101-26	3.8	9
31	A Virtual Channel-Based Framework for the Integration of Wireless Sensor Networks in the Cloud <b>2014</b> ,		10
30	A wireless sensor network framework based on light databases. <i>Software - Practice and Experience</i> , <b>2013</b> , 43, 501-523	2.5	0
29	PS-QUASAR: A publish/subscribe QoS aware middleware for Wireless Sensor and Actor Networks. <i>Journal of Systems and Software</i> , <b>2013</b> , 86, 1650-1662	3.3	21

28	RAISE: RAILway Infrastructure Health Monitoring Using Wireless SEnsor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2013</b> , 143-157	0.2	10
27	Using standards to integrate soft real-time components into dynamic distributed architectures. <i>Computer Standards and Interfaces</i> , <b>2012</b> , 34, 238-262	3.5	10
26	NeuralSens: A neural network based framework to allow dynamic adaptation in wireless sensor and actor networks. <i>Journal of Network and Computer Applications</i> , <b>2012</b> , 35, 382-393	7.9	6
25	HERO: A hierarchical, efficient and reliable routing protocol for wireless sensor and actor networks. <i>Computer Communications</i> , <b>2012</b> , 35, 1392-1409	5.1	20
24	Distributed Shared Memory as an Approach for Integrating WSNs and Cloud Computing <b>2012</b> ,		10
23	A service-oriented approach to facilitate WSN application development. <i>Ad Hoc Networks</i> , <b>2011</b> , 9, 430-432	4.5	19
22	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> , <b>2011</b> , 34, 1225-1239	7.9	60
21	A Service-Oriented Middleware for Wireless Sensor and Actor Networks <b>2009</b> ,		4
20	<b>2009</b> ,		1
19	Managing Multi-concern Application Complexity in AspectSBASCO. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 133-142	0.9	
18	USEME: A Service-Oriented Framework for Wireless Sensor and Actor Networks <b>2008</b> ,		3
17	Programming Wireless Sensor and Actor Networks with TC-WSANs <b>2007</b> ,		4
16	Programming Approaches and Challenges for Wireless Sensor Networks <b>2007</b> ,		18
15	A Real-Time Component-Oriented Middleware for Wireless Sensor and Actor Networks <b>2007</b> ,		2
14	A component-based nuclear power plant simulator kernel. <i>Concurrency Computation Practice and Experience</i> , <b>2007</b> , 19, 593-607	1.4	4
13	A tuple channel-based coordination model for parallel and distributed programming. <i>Journal of Parallel and Distributed Computing</i> , <b>2007</b> , 67, 1092-1107	4.4	3
12	A Component Framework for Wireless Sensor and Actor Networks <b>2006</b> ,		6
11	Experiences with component-oriented technologies in nuclear power plant simulators. <i>Software - Practice and Experience</i> , <b>2006</b> , 36, 1489-1512	2.5	6

10	Using SBASCO to Solve Reaction-Diffusion Equations in Two-Dimensional Irregular Domains. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 912-919	0.9	2
9	Dynamic Reconfiguration of Scientific Components Using Aspect Oriented Programming: A Case Study. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1351-1360	0.9	
8	A CCA-compliant Nuclear Power Plant Simulator Kernel. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 283-297.	0.9	2
7	Domain interaction patterns to coordinate HPF tasks. <i>Parallel Computing</i> , <b>2003</b> , 29, 925-951	1	3
6	A Border-based Coordination Language for Integrating Task and Data Parallelism. <i>Journal of Parallel and Distributed Computing</i> , <b>2002</b> , 62, 715-740	4.4	5
5	Integrating Task and Data Parallelism by Means of Coordination Patterns. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 16-26	0.9	4
4	Integration of Task and Data Parallelism: A Coordination-Based Approach. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 173-182	0.9	
3	: A distributed real-time logic language. <i>Computer Languages, Systems and Structures</i> , <b>1997</b> , 23, 87-120		4
2	Distributed Programming with a Logic Channel-based Coordination Model. <i>Computer Journal</i> , <b>1996</b> , 39, 876-889	1.3	2
1	TCMote: a tuple channel coordination model for wireless sensor networks		2