

Pablo Basanta-Val

List of Publications by Year in descending order

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57
papers

1,096
citations

516710

16
h-index

454955

30
g-index

61
all docs

61
docs citations

61
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Next-Generation Big Data Analytics: State of the Art, Challenges, and Future Research Topics. IEEE Transactions on Industrial Informatics, 2017, 13, 1891-1899.	11.3	290
2	QoS-Aware Real-Time Composition Algorithms for Service-Based Applications. IEEE Transactions on Industrial Informatics, 2009, 5, 278-288.	11.3	62
3	Architecting Time-Critical Big-Data Systems. IEEE Transactions on Big Data, 2016, 2, 310-324.	6.1	58
4	T-Hoarder: A framework to process Twitter data streams. Journal of Network and Computer Applications, 2017, 83, 28-39.	9.1	45
5	Improving the predictability of distributed stream processors. Future Generation Computer Systems, 2015, 52, 22-36.	7.5	39
6	An Efficient Industrial Big-Data Engine. IEEE Transactions on Industrial Informatics, 2018, 14, 1361-1369.	11.3	38
7	Usage of DDS Data-Centric Middleware for Remote Monitoring and Control Laboratories. IEEE Transactions on Industrial Informatics, 2013, 9, 567-574.	11.3	36
8	Real-time reconfiguration in multimedia embedded systems. IEEE Transactions on Consumer Electronics, 2011, 57, 1280-1287.	3.6	28
9	A Distributed Real-Time Java-Centric Architecture for Industrial Systems. IEEE Transactions on Industrial Informatics, 2014, 10, 27-34.	11.3	24
10	Adaptive real-time video transmission over DDS. , 2010, , .		23
11	Towards a Synchronous Scheduling Service on Top of a Unicast Distributed Real-Time Java. Real Time and Embedded Technology and Applications Symposium (RTAS), IEEE, 2007, , .	0.0	22
12	A Synchronous Scheduling Service for Distributed Real-Time Java. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 506-519.	5.6	21
13	Comparative analysis of two different middleware approaches for reconfiguration of distributed real-time systems. Journal of Systems Architecture, 2014, 60, 221-233.	4.3	21
14	Low complexity reconfiguration for real-time data-intensive service-oriented applications. Future Generation Computer Systems, 2014, 37, 191-200.	7.5	21
15	Patterns for Distributed Real-Time Stream Processing. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 3243-3257.	5.6	21
16	An Architecture to Support Dynamic Service Composition in Distributed Real-Time Systems. , 2007, , .		19
17	Towards a middleware architecture for deterministic reconfiguration of service-based networked applications. , 2010, , .		19
18	Analyzing point-to-point DDS communication over desktop virtualization software. Computer Standards and Interfaces, 2017, 49, 11-21.	5.4	18

#	ARTICLE	IF	CITATIONS
19	No-Heap remote objects for distributed real-time Java. Transactions on Embedded Computing Systems, 2010, 10, 1-25.	2.9	17
20	AGCMemory. ACM SIGBED Review, 2005, 2, 7-12.	1.8	15
21	Towards a Cyber-Physical Architecture for Industrial Systems via Real-Time Java Technology. , 2010, , .		13
22	A hybrid approach for selecting service-based real-time composition algorithms in heterogeneous environments. Concurrency Computation Practice and Experience, 2011, 23, 1816-1851.	2.2	13
23	No Heap Remote Objects: Leaving Out Garbage Collection at the Server Side. Lecture Notes in Computer Science, 2004, , 359-370.	1.3	13
24	Towards the Integration of Scoped Memory in Distributed Real-Time Java. , 0, , .		12
25	Extended portal. , 2006, , .		12
26	Resource management policies for real-time Java remote invocations. Journal of Parallel and Distributed Computing, 2014, 74, 1930-1944.	4.1	12
27	Towards Propagation of Non-functional Information in Distributed Real-Time Java. , 2010, , .		11
28	A Dual Programming Model for Distributed Real-Time Java. IEEE Transactions on Industrial Informatics, 2011, 7, 750-758.	11.3	11
29	Enabling WCET-based composition of service-based real-time applications. ACM SIGBED Review, 2005, 2, 25-29.	1.8	10
30	Simplifying the Dualized Threading Model of RTSJ. , 2008, , .		10
31	Integrating Multiplexing Facilities in the Set of JRMP Subprotocols. IEEE Latin America Transactions, 2009, 7, 107-113.	1.6	10
32	Non-functional information transmission patterns for distributed real-time Java. Software - Practice and Experience, 2011, 41, 1409-1435.	3.6	10
33	A library for developing real-time and embedded applications in C. Journal of Systems Architecture, 2015, 61, 239-255.	4.3	9
34	Big-BOE: Fusing Spanish Official Gazette with Big Data Technology. Big Data, 2018, 6, 124-138.	3.4	9
35	Solutions for Supporting Composition of Service-Based Real-Time Applications. , 2008, , .		8
36	A component model for homogeneous implementation of reconfigurable service-based distributed real-time applications. , 2010, , .		8

#	ARTICLE	IF	CITATIONS
37	Supporting service composition and real-time execution through characterization of QoS properties. , 2011, , .		8
38	Enhancing OSGi with real-time Java support. Software - Practice and Experience, 2013, 43, 33-65.	3.6	8
39	Real-time distribution support for residential gateways based on OSGi. , 2011, , .		7
40	Dynamic Priority Assignment Scheme for Contract-Based Resource Management. , 2010, , .		6
41	Fine tuning of the multiplexing facilities of Java's Remote Method Invocation. Concurrency Computation Practice and Experience, 2011, 23, 1236-1260.	2.2	6
42	A simple distributed garbage collector for distributed real-time Java. Journal of Supercomputing, 2014, 70, 1588-1616.	3.6	6
43	Predictable remote invocations for distributed stream processing. Future Generation Computer Systems, 2020, 107, 716-729.	7.5	6
44	Using Real-Time Java in Distributed Systems: Problems and Solutions. , 2012, , 23-44.		6
45	An architecture for distributed real-time Java based on RMI and RTSJ. , 2010, , .		5
46	Using android smartphones in a service-oriented video surveillance system. , 2011, , .		5
47	Extending the concurrency model of the real-time specification for Java. Concurrency Computation Practice and Experience, 2011, 23, 1623-1645.	2.2	5
48	Virtualizing DDS middleware: Performance challenges and measurements. , 2013, , .		5
49	Static Composition of Service-Based Real-Time Applications. , 0, , .		3
50	A Bounded-time Service Composition Algorithm for Distributed Real-time Systems. , 2012, , .		3
51	Composing and scheduling service-oriented applications in time-triggered distributed real-time Java environments. Concurrency Computation Practice and Experience, 2014, 26, 152-193.	2.2	3
52	Towards Distributed Composition of Real-Time Service-Based Applications. , 2009, , .		1
53	Course quality improvement using mid-semester feedback. International Journal of Technology Enhanced Learning, 2011, 3, 366.	0.7	1
54	Real-time software framework for supporting reconfiguration in consumer electronics. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
55	Extending distributed real-time java with Remote Memory Areas. , 2013, , .		0
56	Enhanced JRMP multiplexing headers under non-fragmented local area network constraints. Electronics Letters, 2013, 49, 1333-1335.	1.0	0
57	A Process for Improving Course Quality Based on Mid-semester Feedback. Communications in Computer and Information Science, 2010, , 379-386.	0.5	0