Insik Shin

List of Publications by Year
in descending order

35 papers	1,053 citations	840776 11 h-index	839539 18 g-index
35 all docs	35 docs citations	35 times ranked	509 citing authors

#	Article	IF	Citations
1	JMC: Jitter-Based Mixed-Criticality Scheduling for Distributed Real-Time Systems. IEEE Internet of Things Journal, 2019, 6, 6310-6324.	8.7	1
2	MC-SDN: Supporting Mixed-Criticality Real-Time Communication Using Software-Defined Networking. IEEE Internet of Things Journal, 2019, 6, 6325-6344.	8.7	9
3	Non-Preemptive Scheduling for Mixed-Criticality Real-Time Multiprocessor Systems. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1766-1779.	5.6	13
4	Multi-level contention-free policy for real-time multiprocessor scheduling. Journal of Systems and Software, 2018, 137, 36-49.	4.5	9
5	MC-SDN: Supporting Mixed-Criticality Scheduling on Switched-Ethernet Using Software-Defined Networking. , 2018, , .		12
6	MC-ADAPT. Transactions on Embedded Computing Systems, 2017, 16, 1-21.	2.9	30
7	Global EDF Schedulability Analysis for Parallel Tasks on Multi-Core Platforms. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1331-1345.	5.6	27
8	Resource Efficient Isolation Mechanisms in Mixed-Criticality Scheduling. , 2015, , .		35
9	Composition of Schedulability Analyses for Real-Time Multiprocessor Systems. IEEE Transactions on Computers, 2015, 64, 941-954.	3.4	17
10	Capturing urgency and parallelism using quasi-deadlines for real-time multiprocessor scheduling. Journal of Systems and Software, 2015, 101, 15-29.	4.5	5
11	MC-Fluid: Fluid Model-Based Mixed-Criticality Scheduling on Multiprocessors. , 2014, , .		39
12	Contention-free executions for real-time multiprocessor scheduling. Transactions on Embedded Computing Systems, 2014, 13, 1-25.	2.9	12
13	Scalable Path and Time Coordination for Robot Formation. , 2014, , .		0
14	Demand-based schedulability analysis for real-time multi-core scheduling. Journal of Systems and Software, 2014, 89, 99-108.	4.5	6
15	Mixed-criticality scheduling on multiprocessors. Real-Time Systems, 2014, 50, 142-177.	1.3	69
16	GreenBag: Energy-Efficient Bandwidth Aggregation for Real-Time Streaming in Heterogeneous Mobile Wireless Networks. , 2013, , .		43
17	Limited carry-in technique for real-time multi-core scheduling. Journal of Systems Architecture, 2013, 59, 372-375.	4.3	8
18	EDZL Schedulability Analysis in Real-Time Multicore Scheduling. IEEE Transactions on Software Engineering, 2013, 39, 910-916.	5.6	13

#	Article	IF	Citations
19	Global EDF Schedulability Analysis for Synchronous Parallel Tasks on Multicore Platforms. , 2013, , .		51
20	Laxity dynamics and LLF schedulability analysis on multiprocessor platforms. Real-Time Systems, 2012, 48, 716-749.	1.3	11
21	Extending Task-level to Job-level Fixed Priority Assignment and Schedulability Analysis Using Pseudo-deadlines. , 2012, , .		13
22	Schedulability Analysis and Priority Assignment for Global Job-Level Fixed-Priority Multiprocessor Scheduling. , 2012, , .		11
23	Zero-laxity based real-time multiprocessor scheduling. Journal of Systems and Software, 2011, 84, 2324-2333.	4.5	23
24	Adaptive trajectory coordination for scalable multiple robot control. , 2011, , .		1
25	Multiprocessor real-time scheduling considering concurrency and urgency. ACM SIGBED Review, 2010, 7, 1-5.	1.8	5
26	LLF Schedulability Analysis on Multiprocessor Platforms. , 2010, , .		18
27	Optimal virtual cluster-based multiprocessor scheduling. Real-Time Systems, 2009, 43, 25-59.	1.3	59
28	A Synchronization Protocol for Temporal Isolation of Software Components in Vehicular Systems. IEEE Transactions on Industrial Informatics, 2009, 5, 375-387.	11.3	21
29	Synthesis of Optimal Interfaces for Hierarchical Scheduling with Resources. , 2008, , .		26
30	Scheduling of semi-independent real-time components: Overrun methods and resource holding times.. , 2008, , .		13
31	SIRAP. , 2007, , .		84
32	Compositional Schedulability Analysis of Hierarchical Real-Time Systems. , 2007, , .		19
33	Fair real-time traffic scheduling over a wireless LAN. , 0, , .		39
34	Periodic resource model for compositional real-time guarantees. , 0, , .		146
35	Compositional Real-Time Scheduling Framework. , 0, , .		165