

Insik Shin

List of Publications by Year in descending order

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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	Compositional Real-Time Scheduling Framework. , 0, , .		165
2	Periodic resource model for compositional real-time guarantees. , 0, , .		146
3	SIRAP. , 2007, , .		84
4	Mixed-criticality scheduling on multiprocessors. Real-Time Systems, 2014, 50, 142-177.	1.3	69
5	Optimal virtual cluster-based multiprocessor scheduling. Real-Time Systems, 2009, 43, 25-59.	1.3	59
6	Global EDF Schedulability Analysis for Synchronous Parallel Tasks on Multicore Platforms. , 2013, , .		51
7	GreenBag: Energy-Efficient Bandwidth Aggregation for Real-Time Streaming in Heterogeneous Mobile Wireless Networks. , 2013, , .		43
8	Fair real-time traffic scheduling over a wireless LAN. , 0, , .		39
9	MC-Fluid: Fluid Model-Based Mixed-Criticality Scheduling on Multiprocessors. , 2014, , .		39
10	Resource Efficient Isolation Mechanisms in Mixed-Criticality Scheduling. , 2015, , .		35
11	MC-ADAPT. Transactions on Embedded Computing Systems, 2017, 16, 1-21.	2.9	30
12	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
13	Synthesis of Optimal Interfaces for Hierarchical Scheduling with Resources. , 2008, , .		26
14	Zero-laxity based real-time multiprocessor scheduling. Journal of Systems and Software, 2011, 84, 2324-2333.	4.5	23
15	A Synchronization Protocol for Temporal Isolation of Software Components in Vehicular Systems. IEEE Transactions on Industrial Informatics, 2009, 5, 375-387.	11.3	21
16	Compositional Schedulability Analysis of Hierarchical Real-Time Systems. , 2007, , .		19
17	LLF Schedulability Analysis on Multiprocessor Platforms. , 2010, , .		18
18	Composition of Schedulability Analyses for Real-Time Multiprocessor Systems. IEEE Transactions on Computers, 2015, 64, 941-954.	3.4	17

#	ARTICLE	IF	CITATIONS
19	Scheduling of semi-independent real-time components: Overrun methods and resource holding times.. , 2008, , .		13
20	Extending Task-level to Job-level Fixed Priority Assignment and Schedulability Analysis Using Pseudo-deadlines. , 2012, , .		13
21	EDZL Schedulability Analysis in Real-Time Multicore Scheduling. IEEE Transactions on Software Engineering, 2013, 39, 910-916.	5.6	13
22	Non-Preemptive Scheduling for Mixed-Criticality Real-Time Multiprocessor Systems. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1766-1779.	5.6	13
23	Contention-free executions for real-time multiprocessor scheduling. Transactions on Embedded Computing Systems, 2014, 13, 1-25.	2.9	12
24	MC-SDN: Supporting Mixed-Criticality Scheduling on Switched-Ethernet Using Software-Defined Networking. , 2018, , .		12
25	Laxity dynamics and LLF schedulability analysis on multiprocessor platforms. Real-Time Systems, 2012, 48, 716-749.	1.3	11
26	Schedulability Analysis and Priority Assignment for Global Job-Level Fixed-Priority Multiprocessor Scheduling. , 2012, , .		11
27	Multi-level contention-free policy for real-time multiprocessor scheduling. Journal of Systems and Software, 2018, 137, 36-49.	4.5	9
28	MC-SDN: Supporting Mixed-Criticality Real-Time Communication Using Software-Defined Networking. IEEE Internet of Things Journal, 2019, 6, 6325-6344.	8.7	9
29	Limited carry-in technique for real-time multi-core scheduling. Journal of Systems Architecture, 2013, 59, 372-375.	4.3	8
30	Demand-based schedulability analysis for real-time multi-core scheduling. Journal of Systems and Software, 2014, 89, 99-108.	4.5	6
31	Multiprocessor real-time scheduling considering concurrency and urgency. ACM SIGBED Review, 2010, 7, 1-5.	1.8	5
32	Capturing urgency and parallelism using quasi-deadlines for real-time multiprocessor scheduling. Journal of Systems and Software, 2015, 101, 15-29.	4.5	5
33	Adaptive trajectory coordination for scalable multiple robot control. , 2011, , .		1
34	JMC: Jitter-Based Mixed-Criticality Scheduling for Distributed Real-Time Systems. IEEE Internet of Things Journal, 2019, 6, 6310-6324.	8.7	1
35	Scalable Path and Time Coordination for Robot Formation. , 2014, , .		0