

Abusayeed Saifullah

List of Publications by Year in descending order

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48
papers

3,654
citations

686830

13
h-index

839053

18
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49
all docs

49
docs citations

49
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Industrial Internet of Things: Challenges, Opportunities, and Directions. IEEE Transactions on Industrial Informatics, 2018, 14, 4724-4734.	7.2	1,418
2	Real-Time Wireless Sensor-Actuator Networks for Industrial Cyber-Physical Systems. Proceedings of the IEEE, 2016, 104, 1013-1024.	16.4	293
3	An Internet of Things Framework for Smart Energy in Buildings: Designs, Prototype, and Experiments. IEEE Internet of Things Journal, 2015, 2, 527-537.	5.5	280
4	Real-Time Scheduling for WirelessHART Networks. , 2010, , .		184
5	Analysis of Federated and Global Scheduling for Parallel Real-Time Tasks. , 2014, , .		149
6	Parallel Real-Time Scheduling of DAGs. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3242-3252.	4.0	138
7	Multi-core real-time scheduling for generalized parallel task models. Real-Time Systems, 2013, 49, 404-435.	1.1	121
8	End-to-End Communication Delay Analysis in Industrial Wireless Networks. IEEE Transactions on Computers, 2015, 64, 1361-1374.	2.4	113
9	Multi-core Real-Time Scheduling for Generalized Parallel Task Models. , 2011, , .		109
10	Low-power wide-area networks. , 2018, , .		62
11	End-to-End Delay Analysis for Fixed Priority Scheduling in WirelessHART Networks. , 2011, , .		59
12	Distributed Channel Allocation Protocols for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2264-2274.	4.0	57
13	Multi-Application Deployment in Shared Sensor Networks Based on Quality of Monitoring. , 2010, , .		55
14	SNOW. , 2016, , .		54
15	Energy-Efficient Real-Time Scheduling of DAG Tasks. Transactions on Embedded Computing Systems, 2018, 17, 1-25.	2.1	44
16	Near optimal rate selection for wireless control systems. Transactions on Embedded Computing Systems, 2014, 13, 1-25.	2.1	41
17	Schedulability Analysis under Graph Routing in WirelessHART Networks. , 2015, , .		40
18	Analysis of EDF scheduling for Wireless Sensor-Actuator Networks. , 2014, , .		35

#	ARTICLE	IF	CITATIONS
19	Maximizing Network Lifetime of WirelessHART Networks under Graph Routing. , 2016, , .		33
20	Energy-Efficient Real-Time Scheduling of DAGs on Clustered Multi-Core Platforms. , 2019, , .		33
21	Low-Power Wide-Area Network Over White Spaces. IEEE/ACM Transactions on Networking, 2018, 26, 1893-1906.	2.6	28
22	Energy-Efficient Parallel Real-Time Scheduling on Clustered Multi-Core. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2097-2111.	4.0	26
23	Enabling Reliable, Asynchronous, and Bidirectional Communication in Sensor Networks over White Spaces. , 2017, , .		25
24	Priority Assignment for Real-Time Flows in WirelessHART Networks. , 2011, , .		24
25	Near Optimal Rate Selection for Wireless Control Systems. , 2012, , .		23
26	DistributedHART: A Distributed Real-Time Scheduling System for WirelessHART Networks. , 2019, , .		23
27	CapNet: A Real-Time Wireless Management Network for Data Center Power Capping. , 2014, , .		21
28	Mixed-Criticality Multicore Scheduling of Real-Time Gang Task Systems. , 2019, , .		19
29	A comprehensive survey on networking over TV white spaces. Pervasive and Mobile Computing, 2019, 59, 101072.	2.1	16
30	Long-Lived LoRa: Prolonging the Lifetime of a LoRa Network. , 2020, , .		15
31	Guest Editorial From Industrial Wireless Sensor Networks to Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 2194-2198.	7.2	14
32	Implementation of LPWAN over white spaces for practical deployment. , 2019, , .		13
33	A Utilization-Based Approach for Schedulability Analysis in Wireless Control Systems. , 2018, , .		11
34	Distributed Graph Routing for WirelessHART Networks. , 2018, , .		10
35	Integrating Low-Power Wide-Area Networks for Enhanced Scalability and Extended Coverage. IEEE/ACM Transactions on Networking, 2020, 28, 413-426.	2.6	10
36	Real-Time Communication over LoRa Networks. , 2022, , .		10

#	ARTICLE	IF	CITATIONS
37	RnR: Reverse & Replace Decoding for Collision Recovery in Wireless Sensor Networks. , 2017, , .		9
38	Integrating Low-Power Wide-Area Networks in White Spaces. , 2018, , .		9
39	A Distributed Real-time Scheduling System for Industrial Wireless Networks. Transactions on Embedded Computing Systems, 2021, 20, 1-28.	2.1	6
40	CapNet. ACM Transactions on Sensor Networks, 2019, 15, 1-34.	2.3	4
41	LPWAN in the TV White Spaces. Transactions on Embedded Computing Systems, 2021, 20, 1-26.	2.1	4
42	Work-in-Progress: Utilization Based Schedulability Analysis for Wireless Sensor-Actuator Networks. , 2017, , .		3
43	Demo Abstract: Implementing SNOW on Commercial Off-The-Shelf Devices. , 2018, , .		3
44	Online Period Selection for Wireless Control Systems. , 2019, , .		3
45	Mixed-criticality real-time scheduling of gang task systems. Real-Time Systems, 2021, 57, 268-301.	1.1	3
46	Demo Abstract: Enabling Inter-SNOW Concurrent P2P Communications. , 2018, , .		2
47	Low-Latency In-Band Integration of Multiple Low-Power Wide-Area Networks. , 2021, , .		2
48	SELF-STABILIZING COMPUTATION OF 3-EDGE-CONNECTED COMPONENTS. International Journal of Foundations of Computer Science, 2011, 22, 1161-1185.	0.8	0