

De-ji Chen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

785
citations

1937685

4
h-index

2272923

4
g-index

26
all docs

26
docs citations

26
times ranked

632
citing authors

#	ARTICLE	IF	CITATIONS
1	WirelessHART: Applying Wireless Technology in Real-Time Industrial Process Control. , 2008, , .		416
2	Reliable and Real-Time Communication in Industrial Wireless Mesh Networks. , 2011, , .		123
3	Wi-HTest: Compliance Test Suite for Diagnosing Devices in Real-Time WirelessHART Network. , 2009, , .		31
4	Control over WirelessHART network. , 2010, , .		29
5	MBSStar: A Real-time Communication Protocol for Wireless Body Area Networks. , 2011, , .		29
6	WirelessHART and IEEE 802.15.4e. , 2014, , .		24
7	Schedulability Analysis of DeferrableScheduling Algorithms for MaintainingReal-Time Data Freshness. IEEE Transactions on Computers, 2014, 63, 979-994.	3.4	22
8	Online Scheduling Switch for Maintaining Data Freshness in Flexible Real-Time Systems. , 2009, , .		14
9	DESH: overhead reduction algorithms for deferrable scheduling. Real-Time Systems, 2010, 44, 1-25.	1.3	12
10	RoamingHART: A Collaborative Localization System on WirelessHART. , 2012, , .		12
11	A practical approach to deploy large scale wireless sensor networks. , 0, , .		11
12	Hardware challenges and their resolution in advancing WirelessHART. , 2011, , .		9
13	A Location-Determination Application in WirelessHART. , 2009, , .		7
14	Deferrable Scheduling for Temporal Consistency: Schedulability Analysis and Overhead Reduction. , 2006, , .		6
15	A Schedulability Analysis of Deferrable Scheduling Using Patterns. , 2008, , .		6
16	MinMax: A Sampling Interval Control Algorithm for Process Control Systems. , 2012, , .		6
17	ColLoc. Transactions on Embedded Computing Systems, 2014, 13, 1-24.	2.9	6
18	Conceptual model of real-time IoT systems. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 1457-1464.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Data Collection with Battery and Buffer Consideration in a Large Scale Sensor Network. , 0, , .		4
20	Using Real-Time Logic Synthesis Tool to Achieve Process Control over Wireless Sensor Networks. , 2006, , .		3
21	Building wireless embedded internet for industrial automation. , 2013, , .		3
22	Utilizing parallelization and embedded multicore architectures for scheduling large-scale wireless mesh networks. , 2012, , .		2
23	WirelessCHARM: An open system low cost wireless marshalling module for industrial environments. , 2014, , .		2
24	Application of Differential Evolution Cuckoo Search Algorithm in Parameter Optimization of VG Equation. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, 2159033.	1.2	2
25	A Virtual Network Approach for Testing Wireless Mesh in Industrial Process Control. , 2010, , .		0
26	Wi-HTest: compliance test suite for diagnosing devices in real-time WirelessHARTâ„¢ mesh networks. Wireless Networks, 2015, 21, 1999-2018.	3.0	0