Ryo Kurachi

List of Publications by Year
in descending order

15	222	1307594	1474206
papers	citations	7	9
		h-index	g-index

15	15	15	225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sliding Window Optimized Information Entropy Analysis Method for Intrusion Detection on In-Vehicle Networks. IEEE Access, 2018, 6, 45233-45245.	4.2	92
2	Security/Timing-Aware Design Space Exploration of CAN FD for Automotive Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 1094-1104.	11.3	35
3	WCRT Analysis of CAN Messages in Gateway-Integrated In-Vehicle Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9623-9637.	6.3	32
4	Optimizing Extensibility of CAN FD for Automotive Cyber-Physical Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7875-7886.	8.0	15
5	WCRT Analysis and Evaluation for Sporadic Message-Processing Tasks in Multicore Automotive Gateways. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2019, 38, 281-294.	2.7	13
6	Balancing Bandwidth Utilization and Interrupts: Two Heuristic Algorithms for the Optimized Design of Automotive CPS. IEEE Transactions on Industrial Informatics, 2020, 16, 2382-2392.	11.3	12
7	Worst Case Response Time Analysis for Messages in Controller Area Network with Gateway. IEICE Transactions on Information and Systems, 2013, E96.D, 1467-1477.	0.7	9
8	A Genetic Algorithm for Packing CAN FD Frame with Real-Time Constraints. IEICE Transactions on Information and Systems, 2017, E100.D, 2505-2514.	0.7	7
9	Gateway Modeling and Response Time Analysis on CAN Clusters of Automobiles. , 2015, , .		4
10	An Integrated Framework for Topology Design of CAN Networks under Real-Time Constraints. , 2015, , .		1
11	Further Analysis with Linear Programming on Blocking Time Bounds for Partitioned Fixed Priority Multiprocessor Scheduling. Journal of Information Processing, 2018, 26, 540-548.	0.4	1
12	DDCAN: Delay-Time Deliverable CAN Network. , 2019, , .		1
13	Schedulability Analysis for Messages in Gateway-Interconnected Controller Area Network. , 2012, , .		0
14	Further analysis on blocking time bounds for partitioned fixed priority multiprocessor scheduling. , 2016, , .		0
15	Threat Analysis Framework for Safety Architectures in SCDL. Lecture Notes in Computer Science, 2020, , 341-354.	1.3	0