Richard West

List of Publications by Year
in descending order

18 papers	**264** citations	1684188 **5** h-index	2053705 **5** g-index
18 all docs	**18** docs citations	**18** times ranked	**108** citing authors

#	ARTICLE	IF	CITATIONS
1	Process-Aware Interrupt Scheduling and Accounting. , 2006, , .		44
2	A Virtualized Separation Kernel for Mixed-Criticality Systems. ACM Transactions on Computer Systems, 2016, 34, 1-41.	0.8	39
3	Virtual-CPU Scheduling in the Quest Operating System. , 2011, , .		35
4	Predictable Interrupt Management and Scheduling in the Composite Component-Based System. , 2008, , .		25
5	End-to-End Analysis and Design of a Drone Flight Controller. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 2404-2415.	2.7	16
6	Hijack: Taking Control of COTS Systems for Real-Time User-Level Services. Real Time and Embedded Technology and Applications Symposium (RTAS), IEEE, 2007, , .	0.0	15
7	Mutable Protection Domains: Towards a Component-Based System for Dependable and Predictable Computing. , 2007, , .		14
8	Mixed-Criticality Scheduling with I/O. , 2016, , .		14
9	Predictable Communication and Migration in the Quest-V Separation Kernel. , 2014, , .		11
10	Boomerang: Real-Time I/O Meets Legacy Systems. , 2020, , .		11
11	Qduino: A Multithreaded Arduino System for Embedded Computing. , 2015, , .		9
12	Towards an Integrated Vehicle Management System in DriveOS. Transactions on Embedded Computing Systems, 2021, 20, 1-24.	2.9	9
13	Mutable Protection Domains: Adapting System Fault Isolation for Reliability and Efficiency. IEEE Transactions on Software Engineering, 2012, 38, 875-888.	5.6	7
14	Real-time USB communication in the Quest operating system. , 2013, , .		7
15	Tuned Pipes: End-to-End Throughput and Delay Guarantees for USB Devices. , 2018, , .		7
16	FLYOS: Integrated Modular Avionics for Autonomous Multicopters. , 2022, , .		1
17	Comments on "Dynamic Window-Constrained Scheduling of Real-Time Streams in Media Servers. IEEE Transactions on Computers, 2007, 56, 718-719.	3.4	0
18	Demo abstract: A multithreaded arduino system for embedded computing. , 2015, , .		0