

Patricia Derler

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

693
citations

10
h-index

26
g-index

30
ext. papers

871
ext. citations

3.4
avg, IF

4.09
L-index

#	Paper	IF	Citations
27	Reactors: A Deterministic Model for Composable Reactive Systems. <i>Lecture Notes in Computer Science</i> , 2020 , 59-85	0.9	10
26	Timestamp Temporal Logic (TTL) for Testing the Timing of Cyber-Physical Systems. <i>Transactions on Embedded Computing Systems</i> , 2017 , 16, 1-20	1.8	7
25	A Testbed to Verify the Timing Behavior of Cyber-Physical Systems 2017 ,		4
24	Time in cyber-physical systems 2016 ,		10
23	Design of mechatronic systems through aspect and object-oriented modeling. <i>Automatisierungstechnik</i> , 2016 , 64, 244-252	0.8	1
22	Specification of precise timing in synchronous dataflow models 2016 ,		1
21	Systems Engineering for Industrial CyberPhysical Systems Using Aspects. <i>Proceedings of the IEEE</i> , 2016 , 104, 997-1012	14.3	41
20	Towards a reconfigurable distributed testbed to enable advanced research and development of timing and synchronization in cyber-physical systems 2015 ,		3
19	Aspect-oriented Modeling of Attacks in Automotive Cyber-Physical Systems 2014 ,		38
18	Endlessly circulating messages in IEEE 1588-2008 systems 2014 ,		1
17	Endlessly Circulating Messages in IEEE 1588-2008 Systems 2014 ,		2
16	Using Ptides and synchronized clocks to design distributed systems with deterministic system wide timing 2013 ,		4
15	Model-based evaluation of GPS spoofing attacks on power grid sensors 2013 ,		10
14	Distributed Simulation of Heterogeneous and Real-Time Systems 2013 ,		12
13	Cyber-physical system design contracts 2013 ,		59
12	Modeling CyberPhysical Systems. <i>Proceedings of the IEEE</i> , 2012 , 100, 13-28	14.3	403
11	Validator Tool Suite. <i>Computational Analysis, Synthesis, and Design of Dynamic Models Series</i> , 2012 , 199-218		3

10	Network latency and packet delay variation in cyber-physical systems 2011 ,		4
9	Addressing Modeling Challenges in Cyber-Physical Systems 2011 ,		25
8	Migration of Legacy Software Towards Correct-by-Construction Timing Behavior. <i>Lecture Notes in Computer Science</i> , 2011 , 55-76	0.9	4
7	Flexible Static Scheduling of Software with Logical Execution Time Constraints 2010 ,		3
6	Simulation of LET Models in Simulink and Ptolemy. <i>Lecture Notes in Computer Science</i> , 2010 , 83-92	0.9	4
5	5 Modeling and Simulation of TDL Applications. <i>Lecture Notes in Computer Science</i> , 2010 , 107-128	0.9	
4	Execution Strategies for PTIDES, a Programming Model for Distributed Embedded Systems 2009 ,		20
3	Simulation and Implementation of the PTIDES Programming Model 2008 ,		8
2	PTIDES: A Programming Model for Distributed Real-Time Embedded Systems 2008 ,		12
1	Could an Agile Requirements Analysis Be Automated? Lessons Learned from the Successful Overhauling of an Industrial Automation System. <i>Lecture Notes in Computer Science</i> , 2008 , 25-42	0.9	3