

# Zhenkai Zhang

## 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.

19  
papers

99  
citations

5  
h-index

9  
g-index

20  
ext. papers

126  
ext. citations

2  
avg. IF

2.54  
L-index

#	Paper	IF	Citations
19	Integrated moving target defense and control reconfiguration for securing Cyber-Physical systems. <i>Microprocessors and Microsystems</i> , <b>2020</b> , 73, 102954	2.4	7
18	Integrated data space randomization and control reconfiguration for securing cyber-physical systems <b>2019</b> ,		3
17	Dynamic symbolic execution for the analysis of web server applications in Java <b>2019</b> ,		1
16	A model-based design approach for simulation and virtual prototyping of automotive control systems using port-Hamiltonian systems. <i>Software and Systems Modeling</i> , <b>2019</b> , 18, 1637-1653	1.9	1
15	Integrated instruction set randomization and control reconfiguration for securing cyber-physical systems <b>2018</b> ,		5
14	Triggering Rowhammer Hardware Faults on ARM <b>2018</b> ,		4
13	Handling write backs in multi-level cache analysis for WCET estimation <b>2017</b> ,		3
12	Work-in-Progress: Cache-Aware Partitioned EDF Scheduling for Multi-core Real-Time Systems <b>2017</b> ,		1
11	Integrating Cache-Related Preemption Delay into GEDF Analysis for Multiprocessor Scheduling with On-chip Cache <b>2017</b> ,		3
10	Cache-related preemption delay analysis for multi-level inclusive caches <b>2016</b> ,		2
9	Top-down and bottom-up multi-level cache analysis for WCET estimation <b>2015</b> ,		2
8	Improving the Precision of Abstract Interpretation Based Cache Persistence Analysis <b>2015</b> ,		3
7	Precise Multi-level Inclusive Cache Analysis for WCET Estimation <b>2015</b> ,		2
6	A co-simulation framework for design of time-triggered automotive cyber physical systems. <i>Simulation Modelling Practice and Theory</i> , <b>2014</b> , 43, 16-33	3.9	28
5	Model-Based Control Design and Integration of Cyberphysical Systems: An Adaptive Cruise Control Case Study. <i>Journal of Control Science and Engineering</i> , <b>2013</b> , 2013, 1-15	1.2	17
4	A case study on the model-based design and integration of automotive cyber-physical systems <b>2013</b> ,		1
3	Co-simulation framework for design of time-triggered cyber physical systems <b>2013</b> ,		13

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|---|---|-----|---|
| 2 | Modeling Time-Triggered Ethernet in SystemC/TLM for Virtual Prototyping of Cyber-Physical Systems. <i>IFIP Advances in Information and Communication Technology</i> , <b>2013</b> , 318-330 | 0.5 | 3 |
| 1 | Data space randomization for securing cyber-physical systems. <i>International Journal of Information Security</i> ,1   | 2.8 |   |