

# Ran Wei

## List of Publications by Year in descending order

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17  
papers

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citations

1478505

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1372567

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docs citations

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times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward an Analysable, Scalable, Energy-Efficient I/O Virtualization for Mixed-Criticality Systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 320-333.	2.7	8
2	Bridging the Pragmatic Gaps for Mixed-Criticality Systems in the Automotive Industry. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 1116-1129.	2.7	6
3	PSPSys: A time-predictable mixed-criticality system architecture based on ARM TrustZone. Journal of Systems Architecture, 2022, 123, 102368.	4.3	2
4	Model-based Generation of Hazard-driven Arguments and Formal Verification Evidence for Assurance Cases. , 2022, , .		1
5	Priority Assignment on Partitioned Multiprocessor Systems With Shared Resources. IEEE Transactions on Computers, 2021, 70, 1006-1018.	3.4	6
6	Integration of Formal Proof into Unified Assurance Cases with Isabelle/SACM. Formal Aspects of Computing, 2021, 33, 855-884.	1.8	11
7	A complete run-time overhead-aware schedulability analysis for MrsP under nested resources. Journal of Systems and Software, 2020, 159, 110449.	4.5	4
8	Automatic generation of UML profile graphical editors for Papyrus. Software and Systems Modeling, 2020, 19, 1083-1106.	2.7	2
9	Engineering of Runtime Safety Monitors for Cyber-Physical Systems with Digital Dependability Identities. Lecture Notes in Computer Science, 2020, , 3-17.	1.3	8
10	Development Automation of Real-Time Java. Transactions on Embedded Computing Systems, 2020, 19, 1-26.	2.9	1
11	Re-Thinking Mixed-Criticality Architecture for Automotive Industry. , 2020, , .		7
12	From Java to real-time Java: a model-driven methodology with automated toolchain (invited paper). , 2019, , .		2
13	Model based system assurance using the structured assurance case metamodel. Journal of Systems and Software, 2019, 154, 211-233.	4.5	35
14	Stress-testing remote model querying APIs for relational and graph-based stores. Software and Systems Modeling, 2019, 18, 1047-1075.	2.7	8
15	Influence of programming style in transformation bad smells: mining of ETL repositories. Computer Science Education, 2018, 28, 87-108.	3.7	4
16	Towards Automatic Generation of UML Profile Graphical Editors for Papyrus. Lecture Notes in Computer Science, 2018, , 12-27.	1.3	2
17	Partial loading of XML models. , 2016, , .		9