

Waqar Ahmad

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

100
citations

1478505

6
h-index

1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

56
citing authors

#	ARTICLE	IF	CITATIONS
1	Event Tree Reliability Analysis of Safety-Critical Systems Using Theorem Proving. IEEE Systems Journal, 2022, 16, 2899-2910.	4.6	6
2	Formal Verification of ECCs for Memories Using ACL2. Journal of Electronic Testing: Theory and Applications (JETTA), 2020, 36, 643-663.	1.2	1
3	Transformation based image de-noising. , 2020, , .		0
4	Formal Reliability Analysis of an Integrated Power Generation System Using Theorem Proving. IEEE Systems Journal, 2020, 14, 4820-4831.	4.6	5
5	Formal reliability and failure analysis of ethernet based communication networks in a smart grid substation. Formal Aspects of Computing, 2020, 32, 71-111.	1.8	9
6	On the Formalization of Importance Measures Using HOL Theorem Proving. , 2019, , .		1
7	Formal Dynamic Fault Trees Analysis Using an Integration of Theorem Proving and Model Checking. Lecture Notes in Computer Science, 2018, , 139-156.	1.3	8
8	Formal reliability analysis of oil and gas pipelines. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2018, 232, 320-334.	0.7	2
9	Accelerating Viterbi Algorithm using Custom Instruction Approach. , 2018, , .		0
10	Formalization of Fault Trees in Higher-Order Logic: A Deep Embedding Approach. Lecture Notes in Computer Science, 2016, , 264-279.	1.3	9
11	Formalization of Reliability Block Diagrams in Higher-order Logic. Journal of Applied Logic, 2016, 18, 19-41.	1.1	20
12	Formal reliability analysis of wireless sensor network data transport protocols using HOL. , 2015, , .		7
13	Towards Formal Fault Tree Analysis Using Theorem Proving. Lecture Notes in Computer Science, 2015, , 39-54.	1.3	15
14	Towards the Formal Reliability Analysis of Oil and Gas Pipelines. Lecture Notes in Computer Science, 2014, , 30-44.	1.3	17
15	Towards the formal performance analysis of multistate coherent systems using HOL theorem proving. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 0, , 1748006X2210744.	0.7	0