Waqar Ahmad

List of Publications by Year
in descending order

15	100	1478505	1372567
papers	citations	6	10
		h-index	g-index

15	15	15	56
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formalization of Reliability Block Diagrams in Higher-order Logic. Journal of Applied Logic, 2016, 18, 19-41.	1.1	20
2	Towards the Formal Reliability Analysis of Oil and Gas Pipelines. Lecture Notes in Computer Science, 2014, , 30-44.	1.3	17
3	Towards Formal Fault Tree Analysis Using Theorem Proving. Lecture Notes in Computer Science, 2015, , 39-54.	1.3	15
4	Formalization of Fault Trees in Higher-Order Logic: A Deep Embedding Approach. Lecture Notes in Computer Science, 2016, , 264-279.	1.3	9
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	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
7	Formal reliability analysis of wireless sensor network data transport protocols using HOL. , 2015, , .		7
8	Event Tree Reliability Analysis of Safety-Critical Systems Using Theorem Proving. IEEE Systems Journal, 2022, 16, 2899-2910.	4.6	6
9	Formal Reliability Analysis of an Integrated Power Generation System Using Theorem Proving. IEEE Systems Journal, 2020, 14, 4820-4831.	4.6	5
10	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
11	On the Formalization of Importance Measures Using HOL Theorem Proving. , 2019, , .		1
12	Formal Verification of ECCs for Memories Using ACL2. Journal of Electronic Testing: Theory and Applications (JETTA), 2020, 36, 643-663.	1.2	1
13	Accelerating Viterbi Algorithm using Custom Instruction Approach. , 2018, , .		0
14	Transformation based image de-noising. , 2020, , .		0
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