

Steven A Arndt

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

114
citations

1684188

5
h-index

1474206

9
g-index

14
all docs

14
docs citations

14
times ranked

83
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic risk assessment modeling of digital instrumentation and control systems using two dynamic methodologies. Reliability Engineering and System Safety, 2010, 95, 1011-1039.	8.9	50
2	A Benchmark System for Comparing Reliability Modeling Approaches for Digital Instrumentation and Control Systems. Nuclear Technology, 2009, 165, 53-95.	1.2	17
3	Methodologies for the Probabilistic Risk Assessment of Digital Reactor Protection and Control Systems. Nuclear Technology, 2007, 159, 167-191.	1.2	15
4	Metric-based software reliability prediction approach and its application. Empirical Software Engineering, 2017, 22, 1579-1633.	3.9	13
5	Analysis of Random Neutron Sensor Fluctuations for Surveillance of Nuclear Instrumentation Channels in Nuclear Power Plant Protection Systems. IEEE Transactions on Nuclear Science, 1984, 31, 711-716.	2.0	5
6	The High Voltage Perturbation Technique for Testing the Response of Neutron Sensors of the Type Used in Nuclear Reactors. IEEE Transactions on Nuclear Science, 1984, 31, 717-720.	2.0	4
7	Lessons Learned from the U.S. Nuclear Regulatory Commission's Digital System Risk Research. Nuclear Technology, 2011, 173, 2-7.	1.2	4
8	The application of radiation detection noise as an in situ method of surveillance and performance verification of nuclear instrumentation channels for reactor protection systems. Progress in Nuclear Energy, 1985, 15, 165-173.	2.9	3
9	An Assessment of Neutron Sensor Channel in-Situ Performance Testing Methods. IEEE Transactions on Nuclear Science, 1985, 32, 1025-1029.	2.0	3
10	Simulation of the Transient Response of Ionization Chambers to Bias Voltage Perturbations. Nuclear Technology, 1987, 76, 248-259.	1.2	0
11	Roadmap for Research, Development, and Demonstration of Instrumentation, Controls, and Human-Machine Interface Technologies. , 2008, , .		0
12	Risk Informed Licensing Applications for Nuclear Power Plants " An Example Application for I&C Systems. , 2019, , .		0
13	Potential Ways to Modify the NRC Safety Goal Policy. , 2009, , .		0
14	Digital Instrumentation and Control Systems Upgrades in Current Generation Nuclear Power Plants. , 2010, , .		0