

Wei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

183
citations

1306789

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h-index

1125271

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16
all docs

16
docs citations

16
times ranked

154
citing authors

#	ARTICLE	IF	CITATIONS
1	A Monte Carlo-based exploration framework for identifying components vulnerable to cyber threats in nuclear power plants. <i>Reliability Engineering and System Safety</i> , 2018, 175, 24-37.	5.1	40
2	A systematic method for the analysis of energy supply reliability in complex Integrated Energy Systems considering uncertainties of renewable energies, demands and operations. <i>Journal of Cleaner Production</i> , 2020, 267, 122117.	4.6	33
3	Three-loop Monte Carlo simulation approach to Multi-State Physics Modeling for system reliability assessment. <i>Reliability Engineering and System Safety</i> , 2017, 167, 276-289.	5.1	27
4	Hybrid fuzzy-PID control of a nuclear Cyber-Physical System working under varying environmental conditions. <i>Nuclear Engineering and Design</i> , 2018, 331, 54-67.	0.8	17
5	Component- and system-level degradation modeling of digital Instrumentation and Control systems based on a Multi-State Physics Modeling Approach. <i>Annals of Nuclear Energy</i> , 2016, 95, 135-147.	0.9	14
6	Adversarial Risk Analysis to Allocate Optimal Defense Resources for Protecting Cyber-Physical Systems from Cyber Attacks. <i>Risk Analysis</i> , 2019, 39, 2766-2785.	1.5	13
7	Considering the human operator cognitive process for the interpretation of diagnostic outcomes related to component failures and cyber security attacks. <i>Reliability Engineering and System Safety</i> , 2020, 202, 107007.	5.1	11
8	Application of NUREG/CR-6850 to the fire risk quantification of a High Temperature Gas-Cooled Reactor. <i>Nuclear Engineering and Design</i> , 2018, 330, 332-343.	0.8	5
9	Analysis of configuration data errors in Communication-based Train Control systems. <i>Simulation Modelling Practice and Theory</i> , 2019, 96, 101941.	2.2	5
10	An integrated framework for analysing operational events in China nuclear power plants. <i>Annals of Nuclear Energy</i> , 2019, 130, 192-199.	0.9	5
11	A clustering-based framework for searching vulnerabilities in the operation dynamics of Cyber-Physical Energy Systems. <i>Reliability Engineering and System Safety</i> , 2022, 222, 108400.	5.1	5
12	A hybrid Monte Carlo and possibilistic approach to estimate non-suppression probability in fire probabilistic safety analysis. , 2017, , .		4
13	A Non-parametric Cumulative Sum Approach for Online Diagnostics of Cyber Attacks to Nuclear Power Plants. <i>Advanced Sciences and Technologies for Security Applications</i> , 2019, , 195-228.	0.4	2
14	A Simulation-Based Multi-Objective Optimization Framework for the Production Planning in Energy Supply Chains. <i>Energies</i> , 2021, 14, 2684.	1.6	1
15	Internal Characterization-Based Prognostics for Micro-Direct-Methanol Fuel Cells under Dynamic Operating Conditions. <i>Sensors</i> , 2022, 22, 4217.	2.1	1
16	Operation Assessment of Service Water Systems under Periodic Inspection and Maintenance. , 2019, , .		0