

Wei Wang

List of Publications by Year in descending order

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16
papers

183
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1306789

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16
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16
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16
times ranked

154
citing authors

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