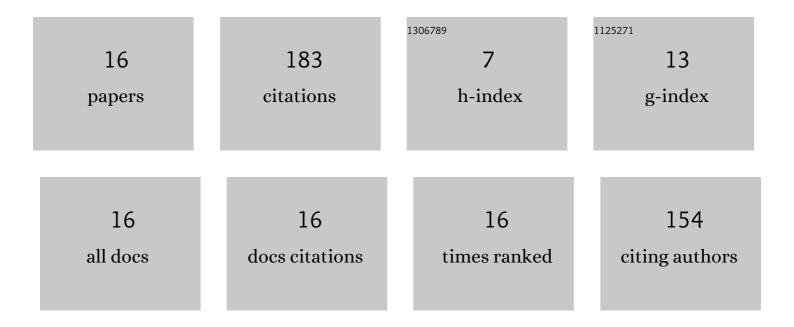
Wei Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
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	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
8	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
9	Analysis of configuration data errors in Communication-based Train Control systems. Simulation Modelling Practice and Theory, 2019, 96, 101941.	2.2	5
10	An integrated framework for analysing operational events in China nuclear power plants. Annals of Nuclear Energy, 2019, 130, 192-199.	0.9	5
11	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
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. Advanced Sciences and Technologies for Security Applications, 2019, , 195-228.	0.4	2
14	A Simulation-Based Multi-Objective Optimization Framework for the Production Planning in Energy Supply Chains. Energies, 2021, 14, 2684.	1.6	1
15	Internal Characterization-Based Prognostics for Micro-Direct-Methanol Fuel Cells under Dynamic Operating Conditions. Sensors, 2022, 22, 4217.	2.1	1
16	Operation Assessment of Service Water Systems under Periodic Inspection and Maintenance. , 2019, , .		0