

# Tarannom Parhizkar

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

354  
citations

840776

11  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long term performance degradation analysis and optimization of anode supported solid oxide fuel cell stacks. <i>Energy Conversion and Management</i> , 2017, 133, 20-30.	9.2	57
2	Evaluation and improvement of energy consumption prediction models using principal component analysis based feature reduction. <i>Journal of Cleaner Production</i> , 2021, 279, 123866.	9.3	34
3	Degradation based operational optimization model to improve the productivity of energy systems, case study: Solid oxide fuel cell stacks. <i>Energy Conversion and Management</i> , 2018, 158, 81-91.	9.2	30
4	Data driven approach to risk management and decision support for dynamic positioning systems. <i>Reliability Engineering and System Safety</i> , 2020, 201, 106964.	8.9	30
5	Aging based optimal scheduling framework for power plants using equivalent operating hour approach. <i>Applied Energy</i> , 2017, 205, 1345-1363.	10.1	28
6	Guided simulation for dynamic probabilistic risk assessment of complex systems: Concept, method, and application. <i>Reliability Engineering and System Safety</i> , 2022, 217, 108047.	8.9	27
7	Degradation based optimization framework for long term applications of energy systems, case study: Solid oxide fuel cell stacks. <i>Energy</i> , 2016, 107, 172-181.	8.8	23
8	Dynamic probabilistic risk assessment of decision-making in emergencies for complex systems, case study: Dynamic positioning drilling unit. <i>Ocean Engineering</i> , 2021, 237, 109653.	4.3	22
9	Remediation of groundwater contaminated with arsenic through enhanced natural attenuation: Batch and column studies. <i>Water Research</i> , 2017, 122, 545-556.	11.3	20
10	Temporal decision-making factors in risk analyses of dynamic positioning operations. <i>Reliability Engineering and System Safety</i> , 2021, 207, 107347.	8.9	16
11	An Entropy Based Bayesian Network Framework for System Health Monitoring. <i>Entropy</i> , 2018, 20, 416.	2.2	15
12	Efficient performance monitoring of building central heating system using Bayesian Network method. <i>Journal of Building Engineering</i> , 2019, 26, 100835.	3.4	9
13	Aging based design and operation optimization of organic rankine cycle systems. <i>Energy Conversion and Management</i> , 2019, 199, 111892.	9.2	8
14	Supervised dynamic probabilistic risk assessment of complex systems, part 2: Application to risk-informed decision making, practice and results. <i>Reliability Engineering and System Safety</i> , 2021, 208, 107392.	8.9	8
15	Supervised Dynamic Probabilistic Risk Assessment of Complex Systems, Part 1: General Overview. <i>Reliability Engineering and System Safety</i> , 2021, 208, 107406.	8.9	8
16	Automatic generation of event sequence diagrams for guiding simulation based dynamic probabilistic risk assessment (SIMPRA) of complex systems. <i>Reliability Engineering and System Safety</i> , 2022, 222, 108416.	8.9	7
17	Efficient health monitoring of buildings using failure modes and effects analysis case study: Air handling unit system. <i>Journal of Building Engineering</i> , 2020, 29, 101113.	3.4	5
18	Long-Term Degradation-Based Modeling and Optimization Framework. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2018, , 192-220.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Human, Hardware, and Software Interactions in Risk Assessment. Springer Series in Reliability Engineering, 2022, , 55-74.	0.5	1
20	Dynamic Probabilistic Risk Assessment. Springer Series in Reliability Engineering, 2022, , 17-39.	0.5	1
21	Data Sources and Development for Online Risk Quantification. Springer Series in Reliability Engineering, 2022, , 41-54.	0.5	0
22	Challenges of Online Dynamic Probabilistic Risk Assessment and Possible Solutions. Springer Series in Reliability Engineering, 2022, , 133-141.	0.5	0
23	Human Factor Analysis and Quantification. Springer Series in Reliability Engineering, 2022, , 75-102.	0.5	0