

Hyeonmin Kim

List of Publications by Year in descending order

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16
papers

1,172
citations

1039406

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940134

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16
all docs

16
docs citations

16
times ranked

1960
citing authors

#	ARTICLE	IF	CITATIONS
1	An approach to constructing effective training data for a classification model to evaluate the reliability of a passive safety system. Reliability Engineering and System Safety, 2022, 222, 108446.	5.1	1
2	Probabilistic deep learning model as a tool for supporting the fast simulation of a thermal-hydraulic code. Expert Systems With Applications, 2022, 200, 116966.	4.4	7
3	Reproduction strategy of radiation data with compensation of data loss using a deep learning technique. Nuclear Engineering and Technology, 2021, 53, 2229-2236.	1.1	1
4	Recent research towards integrated deterministic-probabilistic safety assessment in Korea. Nuclear Engineering and Technology, 2021, 53, 3465-3473.	1.1	15
5	Influence of the spatial Pu variation for evaluating the Pu content in spent nuclear fuel using Support Vector Regression. Annals of Nuclear Energy, 2020, 135, 106997.	0.9	2
6	Application of a Deep Learning Technique to the Development of a Fast Accident Scenario Identifier. IEEE Access, 2020, 8, 177363-177373.	2.6	10
7	A methodology for diagnosing FAC induced pipe thinning using accelerometers and deep learning models. Annals of Nuclear Energy, 2020, 143, 107501.	0.9	23
8	Development of a Physics-Based Monitoring Algorithm Detecting CO2 Ingress Accidents in a Sodium-Cooled Fast Reactor. Energies, 2019, 12, 1.	1.6	952
9	Development of AI Framework Based on RNN for Startup and Shutdown Operation of Nuclear Power Plant. Journal of Institute of Control, Robotics and Systems, 2019, 25, 789-794.	0.1	2
10	Prognostics for integrity of steam generator tubes using the general path model. Nuclear Engineering and Technology, 2018, 50, 88-96.	1.1	9
11	Smart support system for diagnosing severe accidents in nuclear power plants. Nuclear Engineering and Technology, 2018, 50, 562-569.	1.1	29
12	Failure rate updates using condition-based prognostics in probabilistic safety assessments. Reliability Engineering and System Safety, 2018, 175, 225-233.	5.1	22
13	Application of particle filtering for prognostics with measurement uncertainty in nuclear power plants. Nuclear Engineering and Technology, 2018, 50, 1314-1323.	1.1	6
14	Diagnosis of feedwater heater performance degradation using fuzzy inference system. Expert Systems With Applications, 2017, 69, 239-246.	4.4	25
15	Reliability data update using condition monitoring and prognostics in probabilistic safety assessment. Nuclear Engineering and Technology, 2015, 47, 204-211.	1.1	36
16	APPLICATION OF MONITORING, DIAGNOSIS, AND PROGNOSIS IN THERMAL PERFORMANCE ANALYSIS FOR NUCLEAR POWER PLANTS. Nuclear Engineering and Technology, 2014, 46, 737-752.	1.1	32