

Hyeonmin Kim

List of Publications by Year in descending order

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16
papers

1,172
citations

1039406

9
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

1960
citing authors

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