Khalil Moshkbar-bakhshayesh

List of Publications by Year
in descending order

25 papers	283 citations	933447 10 h-index	888059 17 g-index
25 all docs	25 docs citations	25 times ranked	122 citing authors

#	ARTICLE	IF	CITATIONS
1	Transient identification in nuclear power plants: A review. Progress in Nuclear Energy, 2013, 67, 23-32.	2.9	71
2	Development of an Efficient Identifier for Nuclear Power Plant Transients Based on Latest Advances of Error Back-Propagation Learning Algorithm. IEEE Transactions on Nuclear Science, 2014, 61, 602-610.	2.0	25
3	Comparative study of application of different supervised learning methods in forecasting future states of NPPs operating parameters. Annals of Nuclear Energy, 2019, 132, 87-99.	1.8	24
4	Development of a Robust Identifier for NPPs Transients Combining ARIMA Model and EBP Algorithm. IEEE Transactions on Nuclear Science, 2014, 61, 2383-2391.	2.0	19
5	Prediction of unmeasurable parameters of NPPs using different model-free methods based on cross-correlation detection of measurable/unmeasurable parameters: A comparative study. Annals of Nuclear Energy, 2020, 139, 107232.	1.8	15
6	Classification of NPPs transients using change of representation technique: A hybrid of unsupervised MSOM and supervised SVM. Progress in Nuclear Energy, 2019, 117, 103100.	2.9	14
7	Identification of the appropriate architecture of multilayer feed-forward neural network for estimation of NPPs parameters using the GA in combination with the LM and the BR learning algorithms. Annals of Nuclear Energy, 2021, 156, 108222.	1.8	14
8	Combining Supervised and Semi-Supervised Learning in the Design of a New Identifier for NPPs Transients. IEEE Transactions on Nuclear Science, 2016, 63, 1882-1888.	2.0	12
9	Development of a modular system for estimating attenuation coefficient of gamma radiation: comparative study of different learning algorithms of cascade feed-forward neural network. Journal of Instrumentation, 2019, 14, P10010-P10010.	1.2	11
10	Detection and estimation of faulty sensors in NPPs based on thermal-hydraulic simulation and feed-forward neural network. Annals of Nuclear Energy, 2022, 166, 108726.	1.8	11
11	Development of a New Method for Forecasting Future States of NPPs Parameters in Transients. IEEE Transactions on Nuclear Science, 2014, 61, 2636-2642.	2.0	10
12	Performance study of bayesian regularization based multilayer feed-forward neural network for estimation of the uranium price in comparison with the different supervised learning algorithms. Progress in Nuclear Energy, 2020, 127, 103439.	2.9	8
13	Applications of Soft Computing in nuclear power plants: A review. Progress in Nuclear Energy, 2022, 149, 104253.	2.9	8
14	Development of a new features selection algorithm for estimation of NPPs operating parameters. Annals of Nuclear Energy, 2020, 146, 107667.	1.8	7
15	Investigating the performance of the supervised learning algorithms for estimating NPPs parameters in combination with the different feature selection techniques. Annals of Nuclear Energy, 2021, 158, 108299.	1.8	7
16	Unsupervised classification of NPPs transients based on online dynamic quantum clustering. European Physical Journal Plus, 2019, 134, 1.	2.6	6
17	Development of an efficient technique for constructing energy spectrum of NaI(Tl) detector using spectrum of NE102 detector based on supervised model-free methods. Radiation Physics and Chemistry, 2020, 176, 109063.	2.8	6
18	Constructing energy spectrum of inorganic scintillator based on plastic scintillator by different kernel functions of SVM learning algorithm and TSC data mapping. Journal of Instrumentation, 2020, 15, P01028-P01028.	1.2	4

#	Article	IF	Citations
19	The ensemble approach in comparison with the diverse feature selection techniques for estimating NPPs parameters using the different learning algorithms of the feed-forward neural network. Nuclear Engineering and Technology, 2021, 53, 3944-3951.	2.3	4
20	Estimating buildup factor of alloys based on combination of Monte Carlo method and multilayer feed-forward neural network. Annals of Nuclear Energy, 2021, 152, 108023.	1.8	3
21	Prediction of steam/water stratified flow characteristics in NPPs transients using SVM learning algorithm with combination of thermal-hydraulic model and new data mapping technique. Annals of Nuclear Energy, 2022, 166, 108699.	1.8	3
22	Calculating the dose equivalent of coordinate surfaces of the Cartesian geometry: a new analytical method compared with Monte Carlo method. Journal of Instrumentation, 2019, 14, P08014-P08014.	1.2	1
23	Development of a novel analytical method for calculating the dose equivalent rate as a case study of fields which obey the inverse square law. Journal of Instrumentation, 2019, 14, T09004-T09004.	1.2	0
24	Developing the New System Using Different Model-free Methods to Support Decision Making Process of Operator in NPPs Transients. , 2020, , .		0
25	Developing an approach for maximizing neutron activation reaction rate by optimizing moderator dimensions and target position using the Monte Carlo code in combination with the GA and ANN algorithms. Annals of Nuclear Energy, 2022, 168, 108918.	1.8	0