

Sandip Kumar Lahiri

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

115
citations

1478505

6
h-index

1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Process modeling and optimization of industrial ethylene oxide reactor by integrating support vector regression and genetic algorithm. Canadian Journal of Chemical Engineering, 2009, 87, 118-128.	1.7	19
2	Development of a hybrid support vector machine and genetic algorithm model for regime identification of slurry transport in pipelines. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 847-861.	1.5	11
3	Modeling and optimization of cooking process parameters to improve the nutritional profile of fried fish by robust hybrid artificial intelligence approach. Journal of Food Process Engineering, 2020, 43, e13478.	2.9	11
4	Bioremediation of hexavalent chromium from wastewater using bacteria-a green technology. Biodegradation, 2021, 32, 449-466.	3.0	11
5	Support vector regression with parameter tuning assisted by differential evolution technique: Study on pressure drop of slurry flow in pipeline. Korean Journal of Chemical Engineering, 2009, 26, 1175-1185.	2.7	9
6	Application of Artificial Neural Network and Particle Swarm Optimization for modelling and optimization of biosorption of Lead(II) and Nickel(II) from wastewater using dead cyanobacterial biomass. Journal of the Indian Chemical Society, 2021, 98, 10039.	2.8	9
7	Performance enhancement of commercial ethylene oxide reactor by artificial intelligence approach. International Journal of Chemical Reactor Engineering, 2022, 20, 237-250.	1.1	8
8	Enhancement of nutritional value of fried fish using an artificial intelligence approach. Environmental Science and Pollution Research, 2022, 29, 20048-20063.	5.3	6
9	Parametric study on CO ₂ sequestration using cyanobacterial consortium and production of macromolecules: experimentation, modelling and optimization. Water and Environment Journal, 2021, 35, 500-513.	2.2	5
10	A detailed insight into the optimization of plate and frame heat exchanger design by comparing old and new generation metaheuristics algorithms. Journal of the Indian Chemical Society, 2022, 99, 100313.	2.8	4
11	Modeling and multi-objective optimization of commercial ethylene oxide reactor to strike a delicate balance between profit and negative environmental impact. Environmental Science and Pollution Research, 2022, 29, 20035-20047.	5.3	3
12	Modeling and optimization of phycoremediation of heavy metals from simulated ash pond water through robust hybrid artificial intelligence approach. Journal of Chemometrics, 2022, 36, .	1.3	3
13	Artificial intelligence based modelling and multi-objective optimization of vinyl chloride monomer (VCM) plant to strike a balance between profit, energy utilization and environmental degradation. Journal of the Indian Chemical Society, 2022, 99, 100287.	2.8	1
14	Assessing the correlation between fatty acid composition of biodiesel with the fuel property using artificial intelligence and optimization. Environmental Progress and Sustainable Energy, 2021, 40, e13554.	2.3	0