Sandip Kumar Lahiri

List of Publications by Year
in descending order

14	115	1478505 6	1372567 10
papers	citations	h-index	g-index

15	15	15	75
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Enhancement of nutritional value of fried fish using an artificial intelligence approach. Environmental Science and Pollution Research, 2022, 29, 20048-20063.	5.3	6
3	Performance enhancement of commercial ethylene oxide reactor by artificial intelligence approach. International Journal of Chemical Reactor Engineering, 2022, 20, 237-250.	1.1	8
4	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
5	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
6	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
7	Parametric study on CO₂ sequestration using cyanobacterial consortium and production of macromolecules: experimentation, modelling and optimization. Water and Environment Journal, 2021, 35, 500-513.	2.2	5
8	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
9	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, 100039.	2.8	9
10	Bioremediation of hexavalent chromium from wastewater using bacteria-a green technology. Biodegradation, 2021, 32, 449-466.	3.0	11
11	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
12	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
13	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
14	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