Aparna Kallingal

List of Publications by Year
in descending order

19 papers	399 citations	10 h-index	16 g-index
19 all docs	19 docs citations	19 times ranked	489 citing authors

#	Article	IF	Citations
1	Synthesis, optimization and characterization of biochar based catalyst from sawdust for simultaneous esterification and transesterification. Chinese Journal of Chemical Engineering, 2018, 26, 2654-2663.	3.5	77
2	Microwave assisted biodiesel production using a novel Brønsted acid catalyst based on nanomagnetic biocomposite. Fuel, 2019, 246, 268-276.	6.4	64
3	Synthesis and Evaluation of TiO2/Chitosan Based Hydrogel for the Adsorptional Photocatalytic Degradation of Azo and Anthraquinone Dye under UV Light Irradiation. Procedia Technology, 2016, 24, 611-618.	1.1	59
4	Syngas production from regasified liquefied natural gas and its simulation using Aspen HYSYS. Journal of Natural Gas Science and Engineering, 2016, 30, 176-181.	4.4	43
5	Experimental validation of biochar based green Bronsted acid catalysts for simultaneous esterification and transesterification in biodiesel production. Bioresource Technology Reports, 2018, 2, 38-44.	2.7	43
6	Physiochemical characterization and thermal kinetics of lignin recovered from sustainable agrowaste for bioenergy applications. International Journal of Hydrogen Energy, 2021, 46, 4798-4807.	7.1	18
7	Photocatalytic degradation of azo and anthraquinone dye using TiO_2/MgO nanocomposite immobilized chitosan hydrogels. Environmental Technology (United Kingdom), 2021, 42, 2278-2291.	2.2	17
8	Neuro-fuzzy Soft Sensor Estimator for Benzene Toluene Distillation Column. Procedia Technology, 2016, 25, 92-99.	1.1	13
9	Identification of realistic distillation column using hybrid particle swarm optimization and NARX based artificial neural network. Evolving Systems, 2019, 10, 149-166.	3.9	13
10	Microwave-assisted alkaline delignification of banana peduncle. Journal of Natural Fibers, 2021, 18, 664-673.	3.1	12
11	Identification of realistic distillation column using NARX based hybrid artificial neural network and artificial bee colony algorithm. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2075-2086.	1.4	8
12	Adaptive neuro-fuzzy approach to sodium chlorate cell modeling to predict cell pH for energy-efficient chlorate production. Chemical Engineering Communications, 2021, 208, 256-270.	2.6	8
13	Optimization of regasified liquefied natural gas based reforming process for syngas production in an ammonia plant. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 1565-1579.	2.3	6
14	Transient response modeling of reactant concentration in polymer electrolyte membrane fuel cells during load change. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	2.3	5
15	Identification of heat-integrated distillation column using hybrid support vector regression and particle swarm optimization. Chemical Industry and Chemical Engineering Quarterly, 2018, 24, 101-115.	0.7	5
16	Modelling and performance analysis for cumene production process in a four-layer packed bed reactor. International Journal of Chemical Reactor Engineering, 2022, 20, 815-831.	1.1	3
17	Identification of benzene-toluene distillation column using neuro-fuzzy algorithm. , 2015, , .		2
18	Effect of TiO2/MgO Nanocomposites on the Photocatalytic Activity Towards Removal of Organic Dyes. , 2016, , 219-225.		2

#	ARTICLE	IF	CITATIONS
19	pH control in sodium chlorate cell for energy efficiency using PSO-FOPID controller. Chemical Industry and Chemical Engineering Quarterly, 2022, 28, 127-134.	0.7	1