Mostafa Mostafaei

List of Publications by Year
in descending order

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25	768	566801 15	610482 24
papers	citations	h-index	g-index

25	25	25	971
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microwave-assisted intensification of transesterification reaction for biodiesel production from camelina oil: Optimization by Box-Behnken Design. Bioresource Technology Reports, 2022, 17, 100928.	1.5	17
2	Detecting the different blends of diesel and biodiesel fuels using electronic nose machine coupled ANN and RSM methods. Sustainable Energy Technologies and Assessments, 2022, 51, 101914.	1.7	5
3	Microwave-assisted synthesis of trimethylolpropane triester (bio-lubricant) from camelina oil. Scientific Reports, 2022, 12, .	1.6	4
4	Catalytic performance of MgO /Fe2O3-SiO2 core-shell magnetic nanocatalyst for biodiesel production of Camelina sativa seed oil: Optimization by RSM-CCD method. Industrial Crops and Products, 2021, 159, 113065.	2.5	53
5	Multi-objective optimization of performance and emissions characteristics of a variable compression ratio diesel engine running with biogas-diesel fuel using response surface techniques. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-18.	1.2	14
6	A review on higher alcohol of fusel oil as a renewable fuel for internal combustion engines: Applications, challenges, and global potential. Fuel, 2020, 279, 118516.	3.4	66
7	The effect of nano-biochar on the performance and emissions of a diesel engine fueled with fusel oil-diesel fuel. Fuel, 2020, 268, 117356.	3.4	43
8	Energy indicators for microwave-assisted biodiesel production from waste fish oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, , 1-12.	1.2	12
9	Different blends of biodiesel, bioethanol, diesel and noise pollution emitted by stationary and moving MF285 tractor. Journal of Environmental Health Science & Engineering, 2019, 17, 743-752.	1.4	1
10	Effect of nano-additives blended diesel-biodiesel on performance and emissions of CI engine in the presence of magnetic field. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, , 1-17.	1.2	6
11	Detection and classification of diesel-biodiesel blends by LDA, QDA and SVM approaches using an electronic nose. Fuel, 2019, 258, 116114.	3.4	45
12	Analysis of noise pollution emitted by stationary MF285 tractor using different mixtures of biodiesel, bioethanol, and diesel through artificial intelligence. Environmental Science and Pollution Research, 2019, 26, 21682-21692.	2.7	8
13	Flow-mode synthesis of biodiesel under simultaneous microwaveâ€“magnetic irradiation. Chinese Journal of Chemical Engineering, 2019, 27, 2551-2559.	1.7	6
14	An analysis of noise pollution emitted by moving MF285 Tractor using different mixtures of biodiesel, bioethanol and diesel through artificial intelligence. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 270-281.	1.3	10
15	A review on microwave-assisted biodiesel production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 2377-2395.	1.2	33
16	Optimization of fusel oil â€“ Gasoline blend ratio to enhance the performance and reduce emissions. Applied Thermal Engineering, 2019, 148, 1334-1345.	3.0	40
17	ANFIS models for prediction of biodiesel fuels cetane number using desirability function. Fuel, 2018, 216, 665-672.	3.4	51
18	Potential of Acid-Activated Bentonite and SO3H-Functionalized MWCNTs for Biodiesel Production From Residual Olive Oil Under Biorefinery Scheme. Frontiers in Energy Research, 2018, 6, .	1.2	39

#	Article	IF	Citations
19	Prediction of biodiesel fuel properties from its fatty acids composition using ANFIS approach. Fuel, 2018, 229, 227-234.	3.4	33
20	Modeling the energy ratio and productivity of biodiesel with different reactor dimensions and ultrasonic power using ANFIS. Renewable and Sustainable Energy Reviews, 2017, 70, 56-64.	8.2	40
21	Modeling the effects of ultrasound power and reactor dimension on the biodiesel production yield: Comparison of prediction abilities between response surface methodology (RSM) and adaptive neuro-fuzzy inference system (ANFIS). Energy, 2016, 115, 626-636.	4.5	89
22	Optimization of ultrasonic assisted continuous production of biodiesel using response surface methodology. Ultrasonics Sonochemistry, 2015, 27, 54-61.	3.8	78
23	Accelerated decantation of biodieselâ€“glycerol mixtures: Optimization of a critical stage in biodiesel biorefinery. Separation and Purification Technology, 2014, 132, 272-280.	3.9	21
24	Acceleration of biodieselâ€“glycerol decantation through NaCl-assisted gravitational settling: A strategy to economize biodiesel production. Bioresource Technology, 2013, 134, 401-406.	4.8	50
25	Design and evaluation of a novel ultrasonic desalination system by response surface methodology. , 0, 164, 263-275.		4