

# Mostafa Mostafaei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3685396/publications.pdf>

Version: 2024-02-01

25  
papers

768  
citations

566801

15  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

971  
citing authors

#	ARTICLE	IF	CITATIONS
1	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). <i>Energy</i> , 2016, 115, 626-636.	4.5	89
2	Optimization of ultrasonic assisted continuous production of biodiesel using response surface methodology. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 54-61.	3.8	78
3	A review on higher alcohol of fusel oil as a renewable fuel for internal combustion engines: Applications, challenges, and global potential. <i>Fuel</i> , 2020, 279, 118516.	3.4	66
4	Catalytic performance of MgO /Fe <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> core-shell magnetic nanocatalyst for biodiesel production of <i>Camelina sativa</i> seed oil: Optimization by RSM-CCD method. <i>Industrial Crops and Products</i> , 2021, 159, 113065.	2.5	53
5	ANFIS models for prediction of biodiesel fuels cetane number using desirability function. <i>Fuel</i> , 2018, 216, 665-672.	3.4	51
6	Acceleration of biodiesel-glycerol decantation through NaCl-assisted gravitational settling: A strategy to economize biodiesel production. <i>Bioresource Technology</i> , 2013, 134, 401-406.	4.8	50
7	Detection and classification of diesel-biodiesel blends by LDA, QDA and SVM approaches using an electronic nose. <i>Fuel</i> , 2019, 258, 116114.	3.4	45
8	The effect of nano-biochar on the performance and emissions of a diesel engine fueled with fusel oil-diesel fuel. <i>Fuel</i> , 2020, 268, 117356.	3.4	43
9	Modeling the energy ratio and productivity of biodiesel with different reactor dimensions and ultrasonic power using ANFIS. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 56-64.	8.2	40
10	Optimization of fusel oil Gasoline blend ratio to enhance the performance and reduce emissions. <i>Applied Thermal Engineering</i> , 2019, 148, 1334-1345.	3.0	40
11	Potential of Acid-Activated Bentonite and SO <sub>3</sub> H-Functionalized MWCNTs for Biodiesel Production From Residual Olive Oil Under Biorefinery Scheme. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	39
12	Prediction of biodiesel fuel properties from its fatty acids composition using ANFIS approach. <i>Fuel</i> , 2018, 229, 227-234.	3.4	33
13	A review on microwave-assisted biodiesel production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2377-2395.	1.2	33
14	Accelerated decantation of biodiesel-glycerol mixtures: Optimization of a critical stage in biodiesel biorefinery. <i>Separation and Purification Technology</i> , 2014, 132, 272-280.	3.9	21
15	Microwave-assisted intensification of transesterification reaction for biodiesel production from camelina oil: Optimization by Box-Behnken Design. <i>Bioresource Technology Reports</i> , 2022, 17, 100928.	1.5	17
16	Multi-objective optimization of performance and emissions characteristics of a variable compression ratio diesel engine running with biogas-diesel fuel using response surface techniques. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, , 1-18.	1.2	14
17	Energy indicators for microwave-assisted biodiesel production from waste fish oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-12.	1.2	12
18	An analysis of noise pollution emitted by moving MF285 Tractor using different mixtures of biodiesel, bioethanol and diesel through artificial intelligence. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2019, 38, 270-281.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Analysis of noise pollution emitted by stationary MF285 tractor using different mixtures of biodiesel, bioethanol, and diesel through artificial intelligence. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21682-21692.	2.7	8
20	Effect of nano-additives blended diesel-biodiesel on performance and emissions of CI engine in the presence of magnetic field. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-17.	1.2	6
21	Flow-mode synthesis of biodiesel under simultaneous microwave and magnetic irradiation. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2551-2559.	1.7	6
22	Detecting the different blends of diesel and biodiesel fuels using electronic nose machine coupled ANN and RSM methods. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101914.	1.7	5
23	Design and evaluation of a novel ultrasonic desalination system by response surface methodology. , 0, 164, 263-275.		4
24	Microwave-assisted synthesis of trimethylolpropane triester (bio-lubricant) from camelina oil. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
25	Different blends of biodiesel, bioethanol, diesel and noise pollution emitted by stationary and moving MF285 tractor. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2019, 17, 743-752.	1.4	1