

Suresh Vellaiyan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,364
citations

279487

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476904

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all docs

30
docs citations

30
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of compression ignition engine ignition patterns fueled with dual fuels. <i>International Journal of Green Energy</i> , 2022, 19, 676-684.	2.1	22
2	Water in waste-derived oil emulsion fuel with cetane improver: Formulation, characterization and its optimization for efficient and cleaner production. <i>Fuel Processing Technology</i> , 2022, 228, 107141.	3.7	36
3	Experimental analysis of <i>Sterculia foetida</i> biodiesel and butanol blends as a renewable and eco-friendly fuel. <i>Industrial Crops and Products</i> , 2022, 178, 114612.	2.5	33
4	Dataset for the combined effect of cetane improver and water emulsion on energy, environmental and economic values of a diesel engine fueled with lemon peel oil. <i>Data in Brief</i> , 2022, 43, 108467.	0.5	5
5	Effect of Titanium dioxide nanoparticle as an additive on the working characteristics of biodiesel-water emulsion fuel blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021, 43, 1087-1099.	1.2	41
6	Renewable Pathway and Twin Fueling Approach on Ignition Analysis of a Dual-Fuelled Compression Ignition Engine. <i>Energy & Fuels</i> , 2021, 35, 9930-9936.	2.5	65
7	Analysis on improving the conversion rate and waste reduction on bioconversion of <i>Citrullus lanatus</i> seed oil and its characterization. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100497.	1.6	17
8	Enhancement in combustion, performance, and emission characteristics of a biodiesel-fueled diesel engine by using water emulsion and nanoadditive. <i>Renewable Energy</i> , 2020, 145, 2108-2120.	4.3	116
9	Combined effect of water emulsion and ZnO nanoparticle on emissions pattern of soybean biodiesel fuelled diesel engine. <i>Renewable Energy</i> , 2020, 149, 1157-1166.	4.3	48
10	Effect of titanium dioxide nanoparticle as an additive on the exhaust characteristics of diesel-water emulsion fuel blends. <i>Petroleum Science and Technology</i> , 2020, 38, 194-202.	0.7	30
11	Compatibility test in a CI engine using lemon peel oil and water emulsion as fuel. <i>Fuel</i> , 2020, 279, 118520.	3.4	38
12	Combustion, performance and emission evaluation of a diesel engine fueled with soybean biodiesel and its water blends. <i>Energy</i> , 2020, 201, 117633.	4.5	56
13	Effect of cerium oxide nanoadditive on the working characteristics of water emulsified biodiesel fueled diesel engine: An experimental study. <i>Thermal Science</i> , 2020, 24, 231-241.	0.5	27
14	Enhancement in combustion, performance, and emission characteristics of a diesel engine fueled with diesel, biodiesel, and its blends by using nanoadditive. <i>Environmental Science and Pollution Research</i> , 2019, 26, 9561-9573.	2.7	72
15	Multi-response optimization to obtain better performance and emission level in a diesel engine fueled with water-biodiesel emulsion fuel and nanoadditive. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4833-4841.	2.7	34
16	Multi-response optimization to improve the performance and emissions level of a diesel engine fueled with ZnO incorporated water emulsified soybean biodiesel/diesel fuel blends. <i>Fuel</i> , 2019, 237, 1013-1020.	3.4	83
17	Emissions analysis on mahua oil biodiesel and higher alcohol blends in diesel engine. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 2627-2631.	3.4	136
18	Combustion, performance, and emission analysis of diesel engine fueled with water-biodiesel emulsion fuel and nanoadditive. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33478-33489.	2.7	55

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19	Emission analysis of diesel engine fueled with soybean biodiesel and its water blends. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1956-1965.	1.2	27
20	Taguchi- Grey Relation Based Multi-Response Optimization of Diesel Engine Operating Parameters with Water-in-Diesel Emulsion Fuel. International Journal of Technology, 2018, 9, 68.	0.4	12
21	Combustion of stable water-in-diesel emulsion fuel and performance assessment. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 505-513.	1.2	47
22	Emission characteristics of water-emulsified diesel fuel at optimized engine operation condition. Petroleum Science and Technology, 2017, 35, 1355-1363.	0.7	59
23	Multi-response optimization of diesel engine operating parameters running with water-in-diesel emulsion fuel. Thermal Science, 2017, 21, 427-439.	0.5	25
24	Formulation of stable water-in-diesel emulsion fuel and investigation of its properties. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2575-2581.	1.2	14
25	The role of water-in-diesel emulsion and its additives on diesel engine performance and emission levels: A retrospective review. AEJ - Alexandria Engineering Journal, 2016, 55, 2463-2472.	3.4	120
26	Zinc oxide incorporated water-in-diesel emulsion fuel: Formulation, particle size measurement, and emission characteristics assessment. Petroleum Science and Technology, 2016, 34, 114-122.	0.7	54
27	Taguchi-Grey relational-based multi-response optimization of the water-in-diesel emulsification process. Journal of Mechanical Science and Technology, 2016, 30, 1399-1404.	0.7	33
28	Influence of Water-in-Diesel Emulsion Fuel and Compression Ratio on Combustion, Performance and Emission Characteristics of Diesel Engine. Journal of Sustainable Energy Engineering, 2016, 3, 238-253.	0.3	20
29	Combustion and Performance Characteristics of Water-in-diesel Emulsion Fuel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 2020-2028.	1.2	37