

Suresh Vellaiyan

List of Publications by Year in descending order

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29
papers

1,364
citations

279487

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476904

29
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30
all docs

30
docs citations

30
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Emissions analysis on mahua oil biodiesel and higher alcohol blends in diesel engine. AEJ - Alexandria Engineering Journal, 2018, 57, 2627-2631.	3.4	136
2	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
3	Enhancement in combustion, performance, and emission characteristics of a biodiesel-fueled diesel engine by using water emulsion and nanoadditive. Renewable Energy, 2020, 145, 2108-2120.	4.3	116
4	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. Fuel, 2019, 237, 1013-1020.	3.4	83
5	Enhancement in combustion, performance, and emission characteristics of a diesel engine fueled with diesel, biodiesel, and its blends by using nanoadditive. Environmental Science and Pollution Research, 2019, 26, 9561-9573.	2.7	72
6	Renewable Pathway and Twin Fueling Approach on Ignition Analysis of a Dual-Fuelled Compression Ignition Engine. Energy & Fuels, 2021, 35, 9930-9936.	2.5	65
7	Emission characteristics of water-emulsified diesel fuel at optimized engine operation condition. Petroleum Science and Technology, 2017, 35, 1355-1363.	0.7	59
8	Combustion, performance and emission evaluation of a diesel engine fueled with soybean biodiesel and its water blends. Energy, 2020, 201, 117633.	4.5	56
9	Combustion, performance, and emission analysis of diesel engine fueled with water-biodiesel emulsion fuel and nanoadditive. Environmental Science and Pollution Research, 2018, 25, 33478-33489.	2.7	55
10	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
11	Combined effect of water emulsion and ZnO nanoparticle on emissions pattern of soybean biodiesel fuelled diesel engine. Renewable Energy, 2020, 149, 1157-1166.	4.3	48
12	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
13	Effect of Titanium dioxide nanoparticle as an additive on the working characteristics of biodiesel-water emulsion fuel blends. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 1087-1099.	1.2	41
14	Compatibility test in a CI engine using lemon peel oil and water emulsion as fuel. Fuel, 2020, 279, 118520.	3.4	38
15	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
16	Water in waste-derived oil emulsion fuel with cetane improver: Formulation, characterization and its optimization for efficient and cleaner production. Fuel Processing Technology, 2022, 228, 107141.	3.7	36
17	Multi-response optimization to obtain better performance and emission level in a diesel engine fueled with water-biodiesel emulsion fuel and nanoadditive. Environmental Science and Pollution Research, 2019, 26, 4833-4841.	2.7	34
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Emission analysis of diesel engine fueled with soybean biodiesel and its water blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 1956-1965.	1.2	27
22	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
23	Multi-response optimization of diesel engine operating parameters running with water-in-diesel emulsion fuel. <i>Thermal Science</i> , 2017, 21, 427-439.	0.5	25
24	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
25	Influence of Water-in-Diesel Emulsion Fuel and Compression Ratio on Combustion, Performance and Emission Characteristics of Diesel Engine. <i>Journal of Sustainable Energy Engineering</i> , 2016, 3, 238-253.	0.3	20
26	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
27	Formulation of stable water-in-diesel emulsion fuel and investigation of its properties. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 2575-2581.	1.2	14
28	Taguchi- Grey Relation Based Multi-Response Optimization of Diesel Engine Operating Parameters with Water-in-Diesel Emulsion Fuel. <i>International Journal of Technology</i> , 2018, 9, 68.	0.4	12
29	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