Saravanan Subramani

List of Publications by Year
in descending order

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21	828	687220 13	752573 20
papers	citations	h-index	g-index

21	21	21	693
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	1-Hexanol as a sustainable biofuel in DI diesel engines and its effect on combustion and emissions under the influence of injection timing and exhaust gas recirculation (EGR). Applied Thermal Engineering, 2017, 113, 1505-1513.	3.0	147
2	Extraction and characterization of waste plastic oil (WPO) with the effect of n -butanol addition on the performance and emissions of a DI diesel engine fueled with WPO/diesel blends. Energy Conversion and Management, 2017, 131, 117-126.	4.4	137
3	Combined effect of injection timing and exhaust gas recirculation (EGR) on performance and emissions of a DI diesel engine fuelled with next-generation advanced biofuel â€“ diesel blends using response surface methodology. Energy Conversion and Management, 2016, 123, 470-486.	4.4	100
4	Use of some advanced biofuels for overcoming smoke/NOx trade-off in a light-duty DI diesel engine. Renewable Energy, 2016, 96, 687-699.	4.3	63
5	Using renewable n-octanol in a non-road diesel engine with some modifications. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1194-1208.	1.2	58
6	Performance and emission analysis on blends of diesel, restaurant yellow grease and n-pentanol in direct-injection diesel engine. Environmental Science and Pollution Research, 2017, 24, 5381-5390.	2.7	55
7	Feasibility study of crude rice bran oil as a diesel substitute in a DI-CI engine without modifications. Energy for Sustainable Development, 2007, 11, 83-92.	2.0	48
8	Combustion and emission characteristics of diesel engine fuelled with rice bran oil methyl ester and its diesel blends. Thermal Science, 2008, 12, 139-150.	0.5	45
9	Predictive correlations for NOx and smoke emission of DI CI engine fuelled with diesel-biodiesel-higher alcohol blends-response surface methodology approach. Fuel, 2020, 269, 117304.	3.4	40
10	A Correlation for the Ignition Delay of a CI Engine Fuelled With Diesel and Biodiesel. International Journal of Green Energy, 2014, 11, 542-557.	2.1	22
11	Diesel reformulation using bio-derived propanol to control toxic emissions from a light-duty agricultural diesel engine. Environmental Science and Pollution Research, 2017, 24, 16725-16734.	2.7	20
12	Effect of FFA of Crude Rice Bran Oil on the Properties of Diesel Blends. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 663-666.	0.8	17
13	Investigation on reduction in consequences of adding antioxidants into the algae biodiesel blend as a CI engine fuel. Fuel, 2020, 276, 117993.	3.4	15
14	Optimization of injection timing and anti-oxidants for multiple responses of CI engine fuelled with algae biodiesel blend. Fuel, 2021, 287, 119438.	3.4	14
15	High Free Fatty Acid Crude Rice Bran Oil â€“ A Renewable Feedstock for Sustainable Energy and Environment. Clean - Soil, Air, Water, 2008, 36, 835-839.	0.7	13
16	Combined effect of oxygenates and injection timing for low emissions and high performance in a diesel engine using multi-response optimisation. AEJ - Alexandria Engineering Journal, 2019, 58, 625-636.	3.4	12
17	Controlling NOx Emission of Crude Rice Bran Oil Blend for Sustainable Environment. Clean - Soil, Air, Water, 2011, 39, 515-521.	0.7	10
18	Application of MRSN ratio and Taguchi parametric design in optimization of parameters of DI CI engine fuelled with diesel-biodiesel-higher alcohol blends. Fuel, 2021, 285, 119116.	3.4	7

#	Article	IF	Citations
19	Application of an enhanced Taguchi method for simultaneous reduction of smoke and NOx emissions using oxygenated additives and retarded injection timing in a stationary diesel engine. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1893-1906.	0.8	3
20	Numerical optimization of design and fuel factors and development of a statistical model for the emission control of DI CI engine. Fuel, 2020, 281, 118656.	3.4	2
21	Taguchiâ€based optimization of design and fuel parameters of partially premixed charge CI engine fuelled with biodiesel and butanol blends. Environmental Progress and Sustainable Energy, 2021, 40, e13635.	1.3	0