

Amudhavalli Paramasivam Sathiyagnanam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

777
citations

15
h-index

25
g-index

25
ext. papers

1,002
ext. citations

4.7
avg, IF

4.83
L-index

#	Paper	IF	Citations
25	Combined Effect of Compression Ratio and Fuel Injection Pressure on CI Engine Equipped with CRDi System Using Prosopis juliflora Methyl Ester/Diesel Blends. <i>International Journal of Chemical Engineering</i> , 2022 , 2022, 1-12	2.2	1
24	A Comprehensive Study on the Effect of Dimethyl Carbonate Oxygenate and EGR on Emission Reduction, Combustion Analysis, and Performance Enhancement of a CRDi Diesel Engine Using a Blend of Diesel and Prosopis juliflora Biodiesel. <i>International Journal of Chemical Engineering</i> , 2022 , 2022, 1-12	2.2	0
23	Performance and emission study of a single cylinder diesel engine fuelled with n-octanol/WPO with some modifications. <i>International Journal of Ambient Energy</i> , 2021 , 42, 779-788	2	22
22	Artificial Neural Network based prediction of a direct injected diesel engine performance and emission characteristics powered with biodiesel. <i>Materials Today: Proceedings</i> , 2021 , 43, 1049-1056	1.4	2
21	Effect of retarded injection timing and EGR on performance, combustion and emission characteristics of a CRDi diesel engine fueled with WHDPE oil/diesel blends. <i>Fuel</i> , 2020 , 278, 118304	7.1	19
20	Effect of anisole addition to waste cooking oil methyl ester on combustion, emission and performance characteristics of a DI diesel engine without any modifications. <i>Fuel</i> , 2020 , 278, 118315	7.1	13
19	Comparative account of the effects of two high carbon alcohols (C5 & C6) on combustion, performance and emission characteristics of a DI diesel engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 1772-1784	1.6	29
18	Prediction and optimization of engine characteristics of a DI diesel engine fueled with cyclohexanol/diesel blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 2006-2017	1.6	31
17	Prediction of emissions and performance of a diesel engine fueled with n-octanol/diesel blends using response surface methodology. <i>Journal of Cleaner Production</i> , 2018 , 184, 423-439	10.3	73
16	Cleaner emissions from a DI diesel engine fueled with waste plastic oil derived from municipal solid waste under the influence of n-pentanol addition, cold EGR, and injection timing. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 13611-13625	5.1	37
15	Effective utilization of waste plastic oil in a direct injection diesel engine using high carbon alcohols as oxygenated additives for cleaner emissions. <i>Energy Conversion and Management</i> , 2018 , 166, 81-97	10.6	74
14	Combined influence of injection timing and EGR on combustion, performance and emissions of DI diesel engine fueled with neat waste plastic oil. <i>Energy Conversion and Management</i> , 2018 , 161, 294-305	10.6	97
13	Analysis the optimum inlet air temperature for controlling homogeneous charge compression ignition (HCCI) engine. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 2209-2214	6.1	19
12	The effect of exhaust gas recirculation on performance and emission characteristics of HCCI engine. <i>International Journal of Ambient Energy</i> , 2017 , 38, 178-185	2	9
11	Performance and emission characteristics of homogeneous charge compression ignition engine [a review]. <i>International Journal of Ambient Energy</i> , 2017 , 38, 672-684	2	8
10	Effect of biodiesel fuel properties and formation of NOx emissions: a review. <i>International Journal of Ambient Energy</i> , 2017 , 38, 644-651	2	10
9	Effect of inlet charge temperature on a diesel-fuelled homogeneous charge compression ignition engine. <i>International Journal of Ambient Energy</i> , 2017 , 38, 590-596	2	

8	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. <i>Energy Conversion and Management</i> , 2017 , 131, 117-126	10.6	94
7	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). <i>Applied Thermal Engineering</i> , 2017 , 113, 1505-1513	5.8	103
6	Experimental investigation of a diesel engine with methyl ester of mango seed oil and diesel blends. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 215-221	6.1	38
5	Effects of charge temperature and fuel injection pressure on HCCI engine. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 119-125	6.1	24
4	Impact of antioxidants on NO _x emissions from a mango seed biodiesel powered DI diesel engine. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 715-722	6.1	53
3	Combustion characteristics of a DI diesel engine fuelled with blends of methyl ester of cotton seed oil. <i>International Journal of Ambient Energy</i> , 2016 , 37, 633-638	2	3
2	EXPERIMENTAL INVESTIGATION OF METHYL ESTER OF COTTON SEED OIL BLEND WITH DIESEL ON CI ENGINE. <i>American Journal of Applied Sciences</i> , 2014 , 11, 1819-1829	0.8	3
1	Effects of diesel particulate trap and addition of di-methoxy-methane, di-methoxy-propane to diesel on emission characteristics of a diesel engine. <i>Fuel</i> , 2008 , 87, 2281-2285	7.1	15