

Amudhavalli Paramasivam Sathiyagnan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9451259/publications.pdf>

Version: 2024-02-01

25
papers

1,188
citations

516215

16
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

803
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	Combined influence of injection timing and EGR on combustion, performance and emissions of DI diesel engine fueled with neat waste plastic oil. Energy Conversion and Management, 2018, 161, 294-305.	4.4	139
3	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
4	Effective utilization of waste plastic oil in a direct injection diesel engine using high carbon alcohols as oxygenated additives for cleaner emissions. Energy Conversion and Management, 2018, 166, 81-97.	4.4	123
5	Prediction of emissions and performance of a diesel engine fueled with n-octanol/diesel blends using response surface methodology. Journal of Cleaner Production, 2018, 184, 423-439.	4.6	110
6	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. Environmental Science and Pollution Research, 2018, 25, 13611-13625.	2.7	59
7	Impact of antioxidants on NO _x emissions from a mango seed biodiesel powered DI diesel engine. AEJ - Alexandria Engineering Journal, 2016, 55, 715-722.	3.4	57
8	Prediction and optimization of engine characteristics of a DI diesel engine fueled with cyclohexanol/diesel blends. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 2006-2017.	1.2	55
9	Experimental investigation of a diesel engine with methyl ester of mango seed oil and diesel blends. AEJ - Alexandria Engineering Journal, 2016, 55, 215-221.	3.4	52
10	Effect of retarded injection timing and EGR on performance, combustion and emission characteristics of a CRDi diesel engine fueled with WHDPE oil/diesel blends. Fuel, 2020, 278, 118304.	3.4	47
11	Comparative account of the effects of two high carbon alcohols (C5 & C6) on combustion, performance and emission characteristics of a DI diesel engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 1772-1784.	1.2	46
12	Effects of charge temperature and fuel injection pressure on HCCI engine. AEJ - Alexandria Engineering Journal, 2016, 55, 119-125.	3.4	36
13	Performance and emission study of a single cylinder diesel engine fuelled with n-octanol/WPO with some modifications. International Journal of Ambient Energy, 2021, 42, 779-788.	1.4	35
14	Effect of anisole addition to waste cooking oil methyl ester on combustion, emission and performance characteristics of a DI diesel engine without any modifications. Fuel, 2020, 278, 118315.	3.4	33
15	Analysis the optimum inlet air temperature for controlling homogeneous charge compression ignition (HCCI) engine. AEJ - Alexandria Engineering Journal, 2018, 57, 2209-2214.	3.4	26
16	Effects of diesel particulate trap and addition of di-methoxy-methane, di-methoxy-propane to diesel on emission characteristics of a diesel engine. Fuel, 2008, 87, 2281-2285.	3.4	17
17	The effect of exhaust gas recirculation on performance and emission characteristics of HCCI engine. International Journal of Ambient Energy, 2017, 38, 178-185.	1.4	14
18	Effect of biodiesel fuel properties and formation of NO _x emissions: a review. International Journal of Ambient Energy, 2017, 38, 644-651.	1.4	13

#	ARTICLE	IF	CITATIONS
19	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. International Journal of Chemical Engineering, 2022, 2022, 1-12.	1.4	11
20	Performance and emission characteristics of homogeneous charge compression ignition engine – a review. International Journal of Ambient Energy, 2017, 38, 672-684.	1.4	9
21	Combined Effect of Compression Ratio and Fuel Injection Pressure on CI Engine Equipped with CRDi System Using Prosopis juliflora Methyl Ester/Diesel Blends. International Journal of Chemical Engineering, 2022, 2022, 1-12.	1.4	8
22	Combustion characteristics of a DI diesel engine fuelled with blends of methyl ester of cotton seed oil. International Journal of Ambient Energy, 2016, 37, 633-638.	1.4	5
23	EXPERIMENTAL INVESTIGATION OF METHYL ESTER OF COTTON SEED OIL BLEND WITH DIESEL ON CI ENGINE. American Journal of Applied Sciences, 2014, 11, 1819-1829.	0.1	5
24	Artificial Neural Network based prediction of a direct injected diesel engine performance and emission characteristics powered with biodiesel. Materials Today: Proceedings, 2021, 43, 1049-1056.	0.9	4
25	Effect of inlet charge temperature on a diesel-fuelled homogeneous charge compression ignition engine. International Journal of Ambient Energy, 2017, 38, 590-596.	1.4	0