Amudhavalli Paramasivam Sathiyagnanam

List of Publications by Citations

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	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	5.8	103
24	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	10.6	97
23	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	10.6	94
22	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	10.6	74
21	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	10.3	73
20	Impact of antioxidants on NO x emissions from a mango seed biodiesel powered DI diesel engine. *AEJ - Alexandria Engineering Journal*, **2016**, 55, 715-722	6.1	53
19	Experimental investigation of a diesel engine with methyl ester of mango seed oil and diesel blends. *AEJ - Alexandria Engineering Journal*, **2016**, 55, 215-221	6.1	38
18	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	5.1	37
17	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	1.6	31
16	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	1.6	29
15	Effects of charge temperature and fuel injection pressure on HCCI engine. *AEJ - Alexandria Engineering Journal*, **2016**, 55, 119-125	6.1	24
14	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	2	22
13	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	7.1	19
12	Analysis the optimum inlet air temperature for controlling homogeneous charge compression ignition (HCCI) engine. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 2209-2214	6.1	19
11	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	7.1	15
10	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	7.1	13
9	Effect of biodiesel fuel properties and formation of NOx emissions: a review. *International Journal of Ambient Energy*, **2017**, 38, 644-651	2	10

8	The effect of exhaust gas recirculation on performance and emission characteristics of HCCI engine. *International Journal of Ambient Energy*, **2017**, 38, 178-185	2	9
7	Performance and emission characteristics of homogeneous charge compression ignition engine a review. *International Journal of Ambient Energy*, **2017**, 38, 672-684	2	8
6	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	2	3
5	EXPERIMENTAL INVESTIGATION OF METHYL ESTER OF COTTON SEED OIL BLEND WITH DIESEL ON CI ENGINE. *American Journal of Applied Sciences*, **2014**, 11, 1819-1829	0.8	3
4	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	1.4	2
3	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	2.2	1
2	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	2.2	0
1	Effect of inlet charge temperature on a diesel-fuelled homogeneous charge compression ignition engine. *International Journal of Ambient Energy*, **2017**, 38, 590-596	2	