Dhana Raju

List of Publications by Year in descending order

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44 papers	1,939 citations	393982 19 h-index	315357 38 g-index
46 all docs	46 docs citations	46 times ranked	818 citing authors

#	Article	IF	Citations
1	Combined effect of influence of nano additives, combustion chamber geometry and injection timing in a DI diesel engine fuelled with ternary (diesel-biodiesel-ethanol) blends. Energy, 2019, 174, 386-406.	4.5	293
2	Emission reduction in a DI diesel engine using exhaust gas recirculation (EGR) of palm biodiesel blended with TiO2 nano additives. Renewable Energy, 2019, 140, 245-263.	4.3	276
3	An experimental study on the effect of nanoparticles with novel tamarind seed methyl ester for diesel engine applications. Energy Conversion and Management, 2018, 164, 655-666.	4.4	143
4	Effect of Sr@ZnO nanoparticles and Ricinus communis biodiesel-diesel fuel blends on modified CRDI diesel engine characteristics. Energy, 2021, 215, 119094.	4.5	141
5	Influence of Al2O3nano additives in ternary fuel (diesel-biodiesel-ethanol) blends operated in a single cylinder diesel engine: Performance, combustion and emission characteristics. Energy, 2021, 215, 119091.	4.5	112
6	Novel water hyacinth biodiesel as a potential alternative fuel for existing unmodified diesel engine: Performance, combustion and emission characteristics. Energy, 2019, 179, 295-305.	4.5	106
7	Enhancement in Combustion, Performance, and Emission Characteristics of a Diesel Engine Fueled with Ce-ZnO Nanoparticle Additive Added to Soybean Biodiesel Blends. Energies, 2020, 13, 4578.	1.6	76
8	An experimental assessment of prospective oxygenated additives on the diverse characteristics of diesel engine powered with waste tamarind biodiesel. Energy, 2020, 203, 117821.	4.5	76
9	Experimental assessment on the regulated and unregulated emissions of DI diesel engine fuelled with Chlorella emersonii methyl ester (CEME). Renewable Energy, 2020, 151, 88-102.	4.3	73
10	Combined impact of EGR and injection pressure in performance improvement and NOx control of a DI diesel engine powered with tamarind seed biodiesel blend. Environmental Science and Pollution Research, 2018, 25, 36381-36393.	2.7	56
11	Effect of alcoholic and nano-particles additives on tribological properties of dieselâ€“palmâ€“sesameâ€“biodiesel blends. Energy Reports, 2021, 7, 1162-1171.	2.5	45
12	Effect of 1-butanol on the characteristics of diesel engine powered with novel tamarind biodiesel for the future sustainable energy source. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 6547-6565.	1.2	41
13	Experimental evaluation of diesel engine powered with waste mango seed biodiesel at different injection timings and EGR rates. Fuel, 2021, 285, 119047.	3.4	40
14	Eichhornia crassipes biodiesel as a renewable green fuel for diesel engine applications: performance, combustion, and emission characteristics. Environmental Science and Pollution Research, 2019, 26, 18084-18097.	2.7	37
15	Effect of exhaust gas recirculation on performance and emission characteristics of a diesel engine fuelled with tamarind biodiesel. International Journal of Ambient Energy, 2019, 40, 624-633.	1.4	36
16	Effect of split fuel injection strategies on the diverse characteristics of CRDI diesel engine operated with tamarind biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	1.2	34
17	Influence of injection timing on torroidal re-entrant chamber design in a single cylinder DI engine fuelled with ternary blends. Heat and Mass Transfer, 2019, 55, 2931-2948.	1.2	32
18	Development of empirical correlations for density and viscosity estimation of ternary biodiesel blends. Renewable Energy, 2021, 179, 1447-1457.	4.3	31

#	Article	IF	Citations
19	Influence of injection timing on the performance, combustion and emission characteristics of diesel engine powered with tamarind seed biodiesel blend. International Journal of Ambient Energy, 2020, 41, 1007-1015.	1.4	29
20	Experimental investigation of alumina oxide nanoparticles effects on the performance and emission characteristics of tamarind seed biodiesel fuelled diesel engine. Materials Today: Proceedings, 2019, 18, 1229-1242.	0.9	26
21	Experimental assessment of various fuel additives on the performance and emission characteristics of the spark ignition engine. International Journal of Ambient Energy, 2022, 43, 1333-1338.	1.4	22
22	Experimental Studies on Four Stroke Diesel Engine Fuelled with Tamarind Seed Oil as Potential Alternate Fuel for Sustainable Green Environment. European Journal of Sustainable Development Research, 2018, 2, .	0.4	20
23	Assessment of performance, combustion and emission characteristics of the diesel engine powered with corn biodiesel blends. International Journal of Ambient Energy, 2022, 43, 435-443.	1.4	19
24	Comparative Assessment of Various Nanoadditives on the Characteristic Diesel Engine Powered by Novel Tamarind Seed-Methyl Ester Blend. Advances in Mechatronics and Mechanical Engineering, 2020, , 138-158.	1.0	16
25	Analysis of particle size diameter (PSD), mass fraction burnt (MFB) and particulate number (PN) emissions in a diesel engine powered by diesel/biodiesel/n-amyl alcohol blends. Energy, 2022, 250, 123806.	4.5	16
26	Combined influence of compression ratio and EGR on diverse characteristics of a research diesel engine fueled with waste mango seed biodiesel blend. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-24.	1.2	15
27	Experimental studies on the influence of antioxidant additive with waste tamarind biodiesel on the diverse characteristics of diesel engine. International Journal of Ambient Energy, 2022, 43, 268-277.	1.4	14
28	Impact of injection timings and exhaust gas recirculation rates on the characteristics of diesel engine operated with neat tamarind biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	1.2	13
29	Experimental investigation on the performance and emission characteristics of a diesel engine powered with waste mango seed biodiesel blends. International Journal of Ambient Energy, 2022, 43, 1378-1388.	1.4	12
30	Experimental assessment of performance, combustion and emission characteristics of diesel engine fuelled with lemon peel oil. International Journal of Ambient Energy, 2022, 43, 3857-3867.	1.4	12
31	Assessment of diethyl ether as a fuel additive on the diverse characteristics of diesel engine powered with waste mango seed biodiesel blend. International Journal of Ambient Energy, 2022, 43, 3365-3376.	1.4	10
32	Optimisation of intake parameters for diesel engine fuelled with diesel-tamarind seed methyl ester biodiesel blend by Taguchi method. International Journal of Ambient Energy, 2020, 41, 1154-1164.	1.4	9
33	Influence of decanol as fuel additive on the diverse characteristics of the diesel engine powered with mango seed biodiesel blend. International Journal of Ambient Energy, 2022, 43, 2875-2888.	1.4	8
34	Mitigation of harmful exhaust pollutants of DI diesel engine using emulsified fuel and hythane gas in a dual-fuel mode. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-23.	1.2	7
35	Experimental assessment of diverse diesel engine characteristics fueled with an oxygenated fuel added lemon peel biodiesel blends. Fuel, 2022, 324, 124529.	3.4	6
36	Effect of EGR on diverse characteristics of diesel engine operated with corn seed biodiesel blend. International Journal of Ambient Energy, 2020, , 1-8.	1.4	4

#	Article	IF	Citations
37	Experimental studies on natural aspirated diesel engine fuelled with corn seed oil methyl ester as a bio-diesel.. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012104.	0.3	2
38	Effect of addition of bio-additive clove oil to ternary fuel blends (Diesel-Biodiesel-Ethanol) on compression ignition engine. Journal of Physics: Conference Series, 2021, 2070, 012212.	0.3	2
39	The combined influence of injection pressure and exhaust gas recirculation on the characteristics of the diesel engine fuelled with Juliflora biodiesel. International Journal of Ambient Energy, 2022, 43, 7952-7961.	1.4	2
40	Influence of diethyl ether on the diesel engine diverse characteristics fuelled with waste plastic biodiesel. Materials Today: Proceedings, 2022, 61, 1168-1175.	0.9	1
41	Experimental assessment of dibutyl ether on the performance, combustion and emission characteristics of the diesel engine fuelled with Indian black berry biodiesel. International Journal of Ambient Energy, 0, , 1-33.	1.4	1
42	Assessment of Indian black berry biodiesel characterisation and its suitability for the diesel engine applications with oxygenated fuel additives. International Journal of Ambient Energy, 2022, 43, 7715-7726.	1.4	1
43	Comparative Assessment of Various Nanoadditives on the Characteristic Diesel Engine Powered by Novel Tamarind Seed-Methyl Ester Blend. , 2021, , 1403-1423.		0
44	Investigations on the Effects of Diethyl Ether as Fuel Additive in Diesel Engine Fueled with Tamarind Seed Methyl Ester. Springer Proceedings in Energy, 2020, , 447-456.	0.2	0