

Dhana Raju

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,939
citations

393982

19
h-index

315357

38
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46
docs citations

46
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of 1-butanol on the characteristics of diesel engine powered with novel tamarind biodiesel for the future sustainable energy source. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 6547-6565.	1.2	41
2	Assessment of performance, combustion and emission characteristics of the diesel engine powered with corn biodiesel blends. <i>International Journal of Ambient Energy</i> , 2022, 43, 435-443.	1.4	19
3	Experimental studies on the influence of antioxidant additive with waste tamarind biodiesel on the diverse characteristics of diesel engine. <i>International Journal of Ambient Energy</i> , 2022, 43, 268-277.	1.4	14
4	Experimental assessment of various fuel additives on the performance and emission characteristics of the spark ignition engine. <i>International Journal of Ambient Energy</i> , 2022, 43, 1333-1338.	1.4	22
5	Experimental investigation on the performance and emission characteristics of a diesel engine powered with waste mango seed biodiesel blends. <i>International Journal of Ambient Energy</i> , 2022, 43, 1378-1388.	1.4	12
6	Assessment of diethyl ether as a fuel additive on the diverse characteristics of diesel engine powered with waste mango seed biodiesel blend. <i>International Journal of Ambient Energy</i> , 2022, 43, 3365-3376.	1.4	10
7	Experimental assessment of performance, combustion and emission characteristics of diesel engine fuelled with lemon peel oil. <i>International Journal of Ambient Energy</i> , 2022, 43, 3857-3867.	1.4	12
8	Influence of decanol as fuel additive on the diverse characteristics of the diesel engine powered with mango seed biodiesel blend. <i>International Journal of Ambient Energy</i> , 2022, 43, 2875-2888.	1.4	8
9	Influence of diethyl ether on the diesel engine diverse characteristics fuelled with waste plastic biodiesel. <i>Materials Today: Proceedings</i> , 2022, 61, 1168-1175.	0.9	1
10	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. <i>Energy</i> , 2022, 250, 123806.	4.5	16
11	The combined influence of injection pressure and exhaust gas recirculation on the characteristics of the diesel engine fuelled with Juliflora biodiesel. <i>International Journal of Ambient Energy</i> , 2022, 43, 7952-7961.	1.4	2
12	Assessment of Indian black berry biodiesel characterisation and its suitability for the diesel engine applications with oxygenated fuel additives. <i>International Journal of Ambient Energy</i> , 2022, 43, 7715-7726.	1.4	1
13	Experimental assessment of diverse diesel engine characteristics fueled with an oxygenated fuel added lemon peel biodiesel blends. <i>Fuel</i> , 2022, 324, 124529.	3.4	6
14	Experimental evaluation of diesel engine powered with waste mango seed biodiesel at different injection timings and EGR rates. <i>Fuel</i> , 2021, 285, 119047.	3.4	40
15	Influence of Al ₂ O ₃ nano additives in ternary fuel (diesel-biodiesel-ethanol) blends operated in a single cylinder diesel engine: Performance, combustion and emission characteristics. <i>Energy</i> , 2021, 215, 119091.	4.5	112
16	Effect of Sr@ZnO nanoparticles and Ricinus communis biodiesel-diesel fuel blends on modified CRDI diesel engine characteristics. <i>Energy</i> , 2021, 215, 119094.	4.5	141
17	Effect of alcoholic and nano-particles additives on tribological properties of diesel "palm" "sesame" biodiesel blends. <i>Energy Reports</i> , 2021, 7, 1162-1171.	2.5	45
18	Development of empirical correlations for density and viscosity estimation of ternary biodiesel blends. <i>Renewable Energy</i> , 2021, 179, 1447-1457.	4.3	31

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19	Comparative Assessment of Various Nanoadditives on the Characteristic Diesel Engine Powered by Novel Tamarind Seed-Methyl Ester Blend. , 2021, , 1403-1423.		0
20	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
21	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
22	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
23	Experimental assessment on the regulated and unregulated emissions of DI diesel engine fuelled with <i>Chlorella emersonii</i> methyl ester (CEME). Renewable Energy, 2020, 151, 88-102.	4.3	73
24	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
25	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
26	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
27	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
28	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
29	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
30	Influence of injection timing on toroidal 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
31	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
32	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
33	Emission reduction in a DI diesel engine using exhaust gas recirculation (EGR) of palm biodiesel blended with TiO ₂ nano additives. Renewable Energy, 2019, 140, 245-263.	4.3	276
34	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
35	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
36	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

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37	Combined impact of EGR and injection pressure in performance improvement and NO _x control of a DI diesel engine powered with tamarind seed biodiesel blend. Environmental Science and Pollution Research, 2018, 25, 36381-36393.	2.7	56
38	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
39	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
40	Combined influence of compression ratio and EGR on diverse characteristics of a research diesel engine fuelled with waste mango seed biodiesel blend. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-24.	1.2	15
41	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
42	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
43	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
44	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