

Jai Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

350
citations

840119

11
h-index

839053

18
g-index

23
all docs

23
docs citations

23
times ranked

69
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion, vibration, and noise characteristics of direct injection VCR diesel engine fuelled with <i>Mesua ferrea</i> oil methyl ester blends. International Journal of Ambient Energy, 2022, 43, 1569-1580.	1.4	24
2	Experimental study on direct injection diesel engine fuelled with ferric chloride nanoparticle dispersed Cassia Fistula biodiesel blend. International Journal of Energy and Environmental Engineering, 2022, 13, 179-189.	1.3	17
3	Artificial neural networks applications in prediction of performance, combustion, emissions, vibrations and noise parameters of VCR diesel engine using Niger seed oil methyl ester blends and hydrogen in dual fuel mode. International Journal of Ambient Energy, 2022, 43, 5297-5308.	1.4	1
4	Vibration and Noise Study on the Direct Injection Compression Ignition Engine Running with Nanoparticle Dispersed Abrus precatorius Biodiesel Blend. Silicon, 2022, 14, 4887-4897.	1.8	12
5	Combustion and vibration study of a direct injection compression ignition engine fuelled with <i>Moringa oleifera</i> biodiesel-diesel blends. International Journal of Ambient Energy, 2022, 43, 6142-6148.	1.4	5
6	Influence of FeCl ₃ Nanoparticle Dispersion in Cassia fistula Biodiesel Blend on the Analysis of Vibration and Noise Intensity of a Diesel Engine. Journal of Vibration Engineering and Technologies, 2022, 10, 1531-1539.	1.3	5
7	Effect of fuel injection pressure on the diesel engine fuelled with Moringa oleifera oil biodiesel blends: vibration and noise study. International Journal of Dynamics and Control, 2021, 9, 503-510.	1.5	5
8	Artificial neural networks approach on vibration and noise parameters assessment of flaxseed oil biodiesel fuelled CI engine. International Journal of Environmental Science and Technology, 2021, 18, 2365-2376.	1.8	11
9	Enhancement of condensate water quantity and coefficient of performance of an air conditioning system: An experimental study. Heat Transfer, 2021, 50, 4144-4151.	1.7	0
10	Experimental studies on the performance and emission parameters of a direct injection diesel engine fueled with nanoparticle-dispersed biodiesel blend. Nanotechnology for Environmental Engineering, 2021, 6, 1.	2.0	23
11	Combustion Characteristics of Direct Injection Diesel Engine Fueled with Dispersant-mixed Al ₂ O ₃ Nanoparticle-added Biodiesel Blend. International Journal of Thermophysics, 2021, 42, 1.	1.0	25
12	Influence of dispersant added nanoparticle additives with diesel-biodiesel blend on direct injection compression ignition engine: Combustion, engine performance, and exhaust emissions approach. Energy, 2021, 224, 120197.	4.5	58
13	Influence of ZnO Nanoparticle Dispersed Baheda Oil Biodiesel Blend in Variable Compression Ratio Diesel Engine: Vibration and Noise Assessment. Journal of the Institution of Engineers (India): Series C, 2021, 102, 941.	0.7	5
14	A Comprehensive Review on the Effect of Nanoparticle Dispersed Diesel-Biodiesel Blends Fuelled CI Engine. Journal of the Institution of Engineers (India): Series C, 2021, 102, 495-505.	0.7	19
15	Influence of ZnO nanoparticles and dispersant in Baheda oil biodiesel blend on the assessment of performance, combustion, and emissions of VCR diesel engine. Applied Nanoscience (Switzerland), 2021, 11, 2689-2702.	1.6	16
16	Vibration and noise characteristics of CI engine fueled with Niger seed oil methyl ester blends and hydrogen. International Journal of Environmental Science and Technology, 2020, 17, 1529-1536.	1.8	16
17	Comprehensive performance, combustion, emission, and vibration parameters assessment of diesel engine fuelled with a hybrid of niger seed oil biodiesel and hydrogen: response surface methodology approach. SN Applied Sciences, 2020, 2, 1.	1.5	9
18	Combustion and vibration characteristics of variable compression ratio direct injection diesel engine fuelled with diesel-biodiesel and alcohol blends. Engineering Reports, 2020, 2, e12195.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Experimental Explorations of Dual Fuel CI Engine Operating with Guizotia abyssinica Methyl Ester“Diesel Blend (B20) and Hydrogen at Different Compression Ratios. Arabian Journal for Science and Engineering, 2019, 44, 10195-10205.	1.7	15
20	Experimental studies on a metal hydride-based single bed sorption cryocooler. Heat Transfer - Asian Research, 2019, 48, 3590-3599.	2.8	1
21	Investigations on performance and emission parameters of direct injection diesel engine running with Mesua ferrea oil methyl ester blends. SN Applied Sciences, 2019, 1, 1.	1.5	20
22	Experimental Investigations on Performance, Combustion, and Emission Characteristics of Niger (Guizotia abyssinica) Seed Oil Methyl Ester Blends with Diesel at Different Compression Ratios. Arabian Journal for Science and Engineering, 2019, 44, 5263-5273.	1.7	35
23	Emission and vibration characteristics of Niger seed oil biodiesel fueled diesel engine. Journal of Mechanical Engineering and Sciences, 2019, 13, 5862-5874.	0.3	15