

Niraj Kumar

List of Publications by Year in descending order

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17
papers

971
citations

1039406

9
h-index

887659

17
g-index

20
all docs

20
docs citations

20
times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion, performance and emissions of Acacia concinna biodiesel blends in a diesel engine with variable specific heat ratio. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1281-1298.	2.0	12
2	RSM/DFA computation approach for optimization and modeling of CI engine performance and emission characteristics fuelled with preheated fuel blend modified with TiO ₂ nanomaterial. <i>Materials Today: Proceedings</i> , 2021, 38, 350-358.	0.9	3
3	Investigations on the Tribological Characteristics of TiO ₂ -Doped Nanofluid Fuel (Biodiesel/Diesel) Tj ETQq1 1 0.784314 rgBT /Overlock ASME, 2021, 143, .	1.4	2
4	Technology Entrepreneurship Capability Development in Indian Automotive Industry. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 561-567.	0.3	1
5	Study of oxygenated ecofuel applications in CI engine, gas turbine, and jet engine. , 2019, , 405-441.		14
6	Multi-objective Process Optimization of Biodiesel Synthesis from Acacia concinna Seed Oil Using TOPSIS and GRA Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 353-361.	0.3	0
7	Multi-objective optimization of modified nanofluid fuel blends at different TiO ₂ nanoparticle concentration in diesel engine: Experimental assessment and modeling. <i>Applied Energy</i> , 2019, 248, 330-353.	5.1	60
8	Experimental investigations for rheological characteristics of TiO ₂ nanoparticles doped diesel, biodiesel fuel blends for use in compression ignition engine. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 691, 012022.	0.3	0
9	Biodiesel synthesis from Acacia concinna seed oil: A comprehensive study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2009-2020.	1.2	2
10	A comprehensive review on combustion and stability aspects of metal nanoparticles and its additive effect on diesel and biodiesel fuelled C.I. engine. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 563-588.	8.2	280
11	Oxidative stability of biodiesel: Causes, effects and prevention. <i>Fuel</i> , 2017, 190, 328-350.	3.4	214
12	Evaluation of the effects of engine parameters on performance and emissions of diesel engine operating with biodiesel blend. <i>International Journal of Ambient Energy</i> , 2016, 37, 121-135.	1.4	32
13	A review on methodology for complete elimination of diesel from CI engines using mixed feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 1110-1125.	8.2	51
14	Recycling Potential of Building Materials: A Review. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2015, , 31-50.	0.7	10
15	Evaluation of endurance characteristics for a modified diesel engine runs on jatropha biodiesel. <i>Applied Energy</i> , 2015, 155, 253-269.	5.1	43
16	Performance and emission characteristics of biodiesel from different origins: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 633-658.	8.2	225
17	Biodiesel as an alternative fuel for CI engines: environmental effect. <i>Indian Journal of Science and Technology</i> , 2010, 3, 602-606.	0.5	18