Bhupendra Singh Chauhan

List of Publications by Year
in descending order

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28 papers	1,657 citations	623734 14 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	1213 citing authors

#	Article	IF	Citations
1	A study on the performance and emission of a diesel engine fueled with Jatropha biodiesel oil and its blends. Energy, 2012, 37, 616-622.	8.8	438
2	A study on the performance and emission of a diesel engine fueled with Karanja biodiesel and its blends. Energy, 2013, 56, 1-7.	8.8	230
3	Performance and emission study of preheated Jatropha oil on medium capacity diesel engine. Energy, 2010, 35, 2484-2492.	8.8	205
4	Performance and emission characteristics of diesel engine fueled with rice bran biodiesel and n-butanol. Energy Reports, 2019, 5, 78-83.	5.1	145
5	Experimental studies on fumigation of ethanol in a small capacity Diesel engine. Energy, 2011, 36, 1030-1038.	8.8	114
6	Effect of compression ratio on combustion, performance, and emission characteristics of compression ignition engine fueled with palm (B20) biodiesel blend. Energy, 2019, 178, 676-684.	8.8	96
7	Influence of EGR on the simultaneous reduction of NOx-smoke emissions trade-off under CNG-biodiesel dual fuel engine. Energy, 2018, 152, 303-312.	8.8	91
8	Practice of diesel fuel blends using alternative fuels: A review. Renewable and Sustainable Energy Reviews, 2016, 59, 1358-1368.	16.4	78
9	Performance and emission studies on an agriculture engine on neat Jatropha oil. Journal of Mechanical Science and Technology, 2010, 24, 529-535.	1.5	57
10	Effect of varying biogas mass flow rate on performance and emission characteristics of a diesel engine fuelled with blends of n-butanol and diesel. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2817-2830.	3.6	24
11	Combined impact of varying biogas mass flow rate and rice bran methyl esters blended with diesel on a dual-fuel engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 120-132.	2.3	21
12	Effects of ternary fuel blends (diesel-biodiesel-n-butanol) on emission and performance characteristics of diesel engine using varying mass flow rates of biogas. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	2.3	21
13	Properties and characteristics of various materials used as biofuels: A review. Materials Today: Proceedings, 2018, 5, 28438-28445.	1.8	20
14	ANN Prediction of Performance and Emissions of CI Engine Using Biogas Flow Variation. Energies, 2021, 14, 2910.	3.1	19
15	Separate effect of biodiesel, n-butanol, and biogas on performance and emission characteristics of diesel engine: a review. Biomass Conversion and Biorefinery, 2023, 13, 447-469.	4.6	15
16	Trend and time series analysis by ARIMA model to predict the emissions and performance characteristics of biogas fueled compression ignition engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 4293-4304.	2.3	14
17	Multi-objective optimization of performance and emissions characteristics of a variable compression ratio diesel engine running with biogas-diesel fuel using response surface techniques. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-18.	2.3	14
18	Experimental Investigation of Multiple Fry Waste Soya Bean Oil in an Agricultural CI Engine. Energies, 2022, 15, 3209.	3.1	9

#	Article	IF	Citations
19	Influence of variation of injection angle on the combustion, performance and emissions characteristics of Jatropha Ethyl Ester. Energy, 2022, 254, 124436.	8.8	9
20	Computational Analysis of Liquid Jet Impingement Micro-channel Cooling. Materials Today: Proceedings, 2018, 5, 27877-27883.	1.8	7
21	EMISSION ANALYSIS OF A MEDIUM CAPACITY DIESEL ENGINE USING MAHUA OIL BIODIESEL. Journal of Energy Engineering, 2013, 22, 136-140.	0.2	7
22	Study of a Wave Absorber in Various Distance Placed in a Sinusoidal Propagate Wave. Applied Mechanics and Materials, 2013, 302, 326-331.	0.2	6
23	Numerical analysis of inclined jet impingement heat transfer in microchannel. Materials Today: Proceedings, 2021, 43, 557-563.	1.8	5
24	A Study on the Performance and Emission Characteristics of a Diesel Engine Fuelled With Linseed Oil and Diesel Blends. , 2013, , .		3
25	A Study on Experiment of CNG as a Clean Fuel for Automobiles in Korea. Journal of Korean Society for Atmospheric Environment, 2010, 26, 469-474.	1.1	3
26	Physico Chemical Analysis of Linseed Oil and its Blends as a Potential Fuel for Diesel Engine. Advanced Materials Research, 0, 724-725, 405-408.	0.3	2
27	The Performance and Emissions Analysis of a Multi Cylinder Spark Ignition Engine with Gasoline LPG & CNG. Journal of the Korean Institute of Gas, 2011, 15, 33-38.	0.1	2
28	Effect on CI Engine Piston by Waste Cooking Oil Biodiesel. Journal of Engineering Research, 2021, , .	0.7	2