Sarbjot S Sandhu

List of Publications by Year
in descending order

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31	403	933447 10	794594 19
papers	citations	h-index	g-index

31	31	31	413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental investigations on the influence of fuel injection timing and pressure on single cylinder C.I. engine fueled with 20% blend of castor biodiesel in diesel. Fuel, 2017, 210, 15-22.	6.4	84
2	Performance, emission and combustion characteristics of multi-cylinder CRDI engine fueled with argemone biodiesel/diesel blends. Fuel, 2020, 265, 117024.	6.4	54
3	Studies on biogas-fuelled compression ignition engine under dual fuel mode. Environmental Science and Pollution Research, 2018, 25, 9722-9729.	5.3	43
4	A review on microalgae strains, cultivation, harvesting, biodiesel conversion and engine implementation. Biofuels, 2021, 12, 91-102.	2.4	28
5	Experimental investigations on performance and emission characteristics of variable speed multi-cylinder compression ignition engine using Diesel/Argemone biodiesel blends. Energy Exploration and Exploitation, 2018, 36, 535-555.	2.3	18
6	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
7	Effect of boost pressure on combustion, performance and emission characteristics of a multicylinder CRDI engine fueled with argemone biodiesel/diesel blends. Fuel, 2021, 300, 121001.	6.4	13
8	Experimental investigations on castor biodiesel as an alternative fuel for single cylinder compression ignition engine. Environmental Progress and Sustainable Energy, 2017, 36, 1139-1150.	2.3	12
9	Hybrid photovoltaic-thermal systems utilizing liquid-gas phase change material. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, , 1-19.	2.3	12
10	Effect of Metal Contaminants and Antioxidants on the Oxidation Stability of Argemone mexicana Biodiesel: Experimental and Statistical Study. Waste and Biomass Valorization, 2020, 11, 6189-6198.	3.4	12
11	Experimental Study on Storage and Oxidation Stability of Bitter Apricot Kernel Oil Biodiesel. Energy & Fuels, 2016, 30, 8377-8385.	5.1	11
12	Impact analysis of partially premixed combustion strategy on the emissions of a compression ignition engine fueled with higher octane number fuels: A review. Materials Today: Proceedings, 2021, 45, 5772-5777.	1.8	11
13	Performance and emission characteristics of an indirect injection (IDI) multi-cylinder compression ignition (CI) engine using diesel/Argemone maxicana biodiesel blends. RSC Advances, 2015, 5, 91069-91081.	3.6	10
14	Experimental Assessment of Combustion, Performance and Emission Characteristics of a CI Engine Fueled with Biodiesel and Hybrid Fuel Derived from Waste Cooking Oil. Environmental Progress and Sustainable Energy, 2019, 38, 13112.	2.3	10
15	An investigation of green diesel produced through hydro-processing of waste cooking oil using an admixture of two heterogeneous catalysts. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 968-976.	2.3	8
16	A comprehensive experimental investigation of green diesel as a fuel for CI engines. International Journal of Green Energy, 2019, 16, 1152-1164.	3.8	8
17	A comprehensive study for setting up mini-biorefinery pilot plant for biodiesel, hybrid fuel, and hydroprocessed fuels derived from waste cooking oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 432-445.	2.3	8
18	An attempt to implement partially premixed combustion strategy in a multi-cylinder CRDI engine: A detailed experimental and wavelet transform analysis. Fuel, 2022, 323, 124372.	6.4	8

#	Article	IF	Citations
19	Potential Assessment of Methanol to Reduce the Emission in LTC Mode Diesel Engine. Energy, Environment, and Sustainability, 2021, , 271-292.	1.0	7
20	Process optimization for biodiesel production from indigenous non-edible Prunus armeniaca oil. Advances in Energy Research, 2016, 4, 189-202.	0.4	6
21	Wavelet analysis for cyclic combustion dynamics of a multi-cylinder CRDI diesel engine fuelled with a blending of argemone biodieselâ€“diesel oil. Chaos, 2022, 32, 043107.	2.5	5
22	Investigations of emission characteristics and thermal efficiency in a spark-ignition engine fuelled with natural gas-hydrogen blends. International Journal of Low-Carbon Technologies, 2013, 8, 7-13.	2.6	4
23	Review and prospects of bitter apricot oil as an alternative feedstock for biodiesel production - an Indian perspective. International Journal of Oil, Gas and Coal Technology, 2016, 12, 425.	0.2	3
24	Comprehensive analysis of oxidation and storage stability of argemone biodiesel and development of correlations based on experimental results. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	2.3	3
25	Hybrid photovoltaicâ€“thermal system for simultaneous generation of power and hot water utilising mobiltherm as heat transfer fluid. International Journal of Sustainable Energy, 2021, 40, 104-119.	2.4	3
26	Effect of hydrogen supplementation on the performance, combustion and emission characteristics of a natural gas fuelled S.I. engine. International Journal of Alternative Propulsion, 2012, 2, 181.	0.9	2
27	Experimental Investigation on Use of Bitter Apricot Kernel Biodiesel Blends in Single Cylinder Diesel Engine. Springer Proceedings in Energy, 2017, , 133-142.	0.3	2
28	An experimental investigation of injection timings and injection pressures on a compression ignition engine fueled with hybrid fuelâ€¡ derived from waste cooking oil. Environmental Progress and Sustainable Energy, 2021, 40, e13606.	2.3	2
29	Cotton phenology and production response to sowing time, row orientation and plant spacing using CROPGRO-cotton model. Mausam, 2021, 72, 627-634.	0.1	2
30	Growth dynamics and productivity of spring maize under modified microenvironment. Agricultural Research Journal, 2016, 53, 509.	0.2	0
31	Performance investigation of acetone and mobiltherm as a heat transfer medium in a hybrid photovoltaic-thermal system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 7122-7135.	2.3	0