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	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
2	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
3	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
4	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
5	A review on microalgae strains, cultivation, harvesting, biodiesel conversion and engine implementation. Biofuels, 2021, 12, 91-102.	2.4	28
6	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
7	Potential Assessment of Methanol to Reduce the Emission in LTC Mode Diesel Engine. Energy, Environment, and Sustainability, 2021, , 271-292.	1.0	7
8	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
9	An experimental investigation of injection timings and injection pressures on a compression ignition engine fueled with hybrid fuelâ€1 derived from waste cooking oil. Environmental Progress and Sustainable Energy, 2021, 40, e13606.	2.3	2
10	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
11	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
12	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
13	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
14	Performance, emission and combustion characteristics of multi-cylinder CRDI engine fueled with argemone biodiesel/diesel blends. Fuel, 2020, 265, 117024.	6.4	54
15	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
16	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
17	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
18	Studies on biogas-fuelled compression ignition engine under dual fuel mode. Environmental Science and Pollution Research, 2018, 25, 9722-9729.	5.3	43

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	Experimental Study on Storage and Oxidation Stability of Bitter Apricot Kernel Oil Biodiesel. Energy & Fuels, 2016, 30, 8377-8385.	5.1	11
25	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
26	Process optimization for biodiesel production from indigenous non-edible Prunus armeniaca oil. Advances in Energy Research, 2016, 4, 189-202.	0.4	6
27	Growth dynamics and productivity of spring maize under modified microenvironment. Agricultural Research Journal, 2016, 53, 509.	0.2	0
28	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
29	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
30	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
31	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