

# Paramvir Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

877  
citations

471509

17  
h-index

477307

29  
g-index

41  
all docs

41  
docs citations

41  
times ranked

716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Syngas production from co-pyrolysis and co-gasification of polystyrene and paper with CO <sub>2</sub> . Applied Energy, 2019, 246, 1-10.	10.1	78
2	Effects of VOCs on Human Health. Energy, Environment, and Sustainability, 2018, , 119-142.	1.0	67
3	Performance evaluation and optimization of solar assisted air heater with discrete multiple arc shaped ribs. Journal of Energy Storage, 2019, 26, 100978.	8.1	65
4	Modification in combustion chamber geometry of CI engines for suitability of biodiesel: A review. Renewable and Sustainable Energy Reviews, 2017, 79, 1016-1033.	16.4	58
5	Energy recovery from cross-linked polyethylene wastes using pyrolysis and CO <sub>2</sub> assisted gasification. Applied Energy, 2019, 254, 113722.	10.1	57
6	A review on methodology for complete elimination of diesel from CI engines using mixed feedstock. Renewable and Sustainable Energy Reviews, 2016, 57, 1110-1125.	16.4	51
7	Assessment of diesel engine combustion, performance and emission characteristics fuelled with dual fuel blends. Renewable Energy, 2018, 125, 501-510.	8.9	45
8	Carbonyl and aromatic hydrocarbon emissions from diesel engine exhaust using different feedstock: A review. Renewable and Sustainable Energy Reviews, 2016, 63, 269-291.	16.4	41
9	Numerical investigation of heat transfer and friction factor in ribbed triangular duct solar air heater using Computational fluid dynamics (CFD). Journal of Mechanical Science and Technology, 2018, 32, 399-404.	1.5	41
10	Enhancing Diesel Engine Performance and Reducing Emissions Using Binary Biodiesel Fuel Blend. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	41
11	Optimization of wear and friction characteristics of Phyllanthus Emblica seed oil based lubricant using response surface methodology. Egyptian Journal of Petroleum, 2018, 27, 1145-1155.	2.6	31
12	Impact of modified parameters on diesel engine characteristics using biodiesel: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 2716-2729.	16.4	31
13	Impact of dual biofuel approach on engine oil dilution in CI engines. Fuel, 2017, 207, 680-689.	6.4	26
14	Innovatively Arranged Curved-Ribbed Solar-Assisted Air Heater: Performance and Correlation Development for Heat and Flow Characteristics. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	21
15	Influence of temperature on tribological performance of dual biofuel. Fuel, 2017, 207, 751-762.	6.4	20
16	Feasibility of a new non-edible feedstock in diesel engine: Investigation of performance, emission and combustion characteristics. Journal of Mechanical Science and Technology, 2017, 31, 1979-1986.	1.5	19
17	Impact of alkylbenzenes in formulated surrogate fuel on characteristics of compression ignition engine. Fuel, 2020, 266, 116981.	6.4	18
18	Applicability of aromatic selection towards newer formulated fuels for regulated and unregulated emissions reduction in CI engine. Fuel Processing Technology, 2020, 209, 106548.	7.2	16

#	ARTICLE	IF	CITATIONS
19	Testing of formulated fuel with variable aromatic type and contents in a compression-ignition engine. Fuel Processing Technology, 2020, 208, 106413.	7.2	15
20	Solar air heater having multiple V-ribs with Multiple-Symmetric gaps as roughness elements on Absorber-Plate: A parametric study. Sustainable Energy Technologies and Assessments, 2021, 48, 101559.	2.7	15
21	Abatement of formaldehyde with photocatalytic and catalytic oxidation: a review. International Journal of Chemical Reactor Engineering, 2021, 19, 1-29.	1.1	15
22	Distributed combustion mode in a can-type gas turbine combustor – A numerical and experimental study. Applied Energy, 2020, 277, 115573.	10.1	14
23	Binary Biodiesel Blend Endurance Characteristics in a Compression Ignition Engine. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	12
24	Effect of Engine Parameters on the Performance of Dual-Fuel CI Engines with Producer Gas – A Review. Energy & Fuels, 2021, 35, 16377-16402.	5.1	12
25	Impact of Binary Biofuel Blend on Lubricating Oil Degradation in a Compression Ignition Engine. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	10
26	Experimental investigation to assess the efficacy of gasoline surrogates with engine testing. Fuel, 2022, 324, 124493.	6.4	9
27	Effects of dual biofuel approach for total elimination of diesel on injection system by reciprocatory friction monitor. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 1068-1076.	1.8	8
28	Impact of Aromatic Structures and Content in Formulated Fuel for Jet Engine Applications on Particulate Matter Emissions. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	8
29	Experimental investigation and correlation development for engine emissions with polycyclic aromatic blended formulated fuels. Fuel, 2021, 303, 121280.	6.4	8
30	Effect of bio-lubricant on wear characteristics of cylinder liner-piston ring and cam-tappet combination in simulated environment. Fuel, 2018, 233, 677-684.	6.4	7
31	Effect of phyllanthus emblica biodiesel based lubricant on cylinder liner and piston ring. Journal of Mechanical Science and Technology, 2018, 32, 1269-1275.	1.5	4
32	Investigations on Combustion and Emissions Characteristics of Aromatic Fuel Blends in a Distributed Combustor. Energy & Fuels, 2021, 35, 3150-3163.	5.1	4
33	Optimization of aromatic species in formulated fuel for simultaneous reduction of PM and NOx emissions from combustion engines. Journal of the Energy Institute, 2022, 103, 94-103.	5.3	3
34	Life Cycle Assessment of an Academic Building. , 2018, , 295-315.		2
35	Conversion of Absorbent Polymer Wastes to Syngas using Pyrolysis and CO <sub>2</sub> Assisted Gasification. , 2019, , .		1
36	Assessment of Alkylbenzenes with an Aim to Reducing Emissions from Direct Injection Ignition Engines. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	Impact of Fuel Formulation with Particular Selection of Aromatics on Compression Engine Performance and Emission Control. , 2021, , .		1
38	Impact of Biodiesel Blended Fuels on Combustion Engines in Long Term. Energy, Environment, and Sustainability, 2022, , 31-59.	1.0	1
39	Effect of Binary Fuel Blends on Compression Ignition Engine Characteristics: A Review. , 0, , .		0
40	Impact of Ammonia Blended Fuels on NOx Emissions in Combustion Engine. , 2022, , .		0