

Rajesh Kumar B

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6803835/rajesh-kumar-b-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36

papers

2,120

citations

23

h-index

36

g-index

36

ext. papers

2,552

ext. citations

6.4

avg, IF

5.87

L-index

#	Paper	IF	Citations
36	Performance and emission study of a single cylinder diesel engine fuelled with n-octanol/WPO with some modifications. <i>International Journal of Ambient Energy</i> , 2021 , 42, 779-788	2	22
35	A comprehensive study on the effects of 1-decanol, compression ratio and exhaust gas recirculation on diesel engine characteristics powered with low density polyethylene oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021 , 43, 3064-3081	1.6	7
34	Collective influence of 1-decanol addition, injection pressure and EGR on diesel engine characteristics fueled with diesel/LDPE oil blends. <i>Fuel</i> , 2020 , 277, 118166	7.1	23
33	Comparative analysis on the effect of 1-decanol and di-n-butyl ether as additive with diesel/LDPE blends in compression ignition engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-18	1.6	8
32	Effect of anisole addition to waste cooking oil methyl ester on combustion, emission and performance characteristics of a DI diesel engine without any modifications. <i>Fuel</i> , 2020 , 278, 118315	7.1	13
31	Effect of C3, C4, and C5 Alcohols Addition to Diesel in Conjunction with Injection Timing and Intake Dilution on the Characteristics of a DI Diesel Engine. <i>Energy & Fuels</i> , 2020 , 34, 3305-3315	4.1	32
30	Comparative account of the effects of two high carbon alcohols (C5 & C6) on combustion, performance and emission characteristics of a DI diesel engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 1772-1784	1.6	29
29	Effective utilization of waste plastic oil/n-hexanol in an off-road, unmodified DI diesel engine and evaluating its performance, emission, and combustion characteristics. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 1375-1390	1.6	19
28	Prediction and optimization of engine characteristics of a DI diesel engine fueled with cyclohexanol/diesel blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 2006-2017	1.6	31
27	Effect of design parameters on performance and emissions of a CI engine operated with diesel-biodiesel- higher alcohol blends. <i>Renewable Energy</i> , 2020 , 148, 425-436	8.1	15
26	Utilization of waste cooking oil in a light-duty DI diesel engine for cleaner emissions using bio-derived propanol. <i>Fuel</i> , 2019 , 235, 832-837	7.1	64
25	Combined effect of oxygenates and injection timing for low emissions and high performance in a diesel engine using multi-response optimisation. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 625-636	6.1	7
24	Utilization of waste plastic oil in diesel engines: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2019 , 18, 681-697	13.9	28
23	Using renewable n-octanol in a non-road diesel engine with some modifications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 41, 1194-1208	1.6	44
22	Effective utilization of waste plastic oil in a direct injection diesel engine using high carbon alcohols as oxygenated additives for cleaner emissions. <i>Energy Conversion and Management</i> , 2018 , 166, 81-97	10.6	74
21	Combined influence of injection timing and EGR on combustion, performance and emissions of DI diesel engine fueled with neat waste plastic oil. <i>Energy Conversion and Management</i> , 2018 , 161, 294-305	10.6	97
20	A comparative assessment of ternary blends of three bio-alcohols with waste cooking oil and diesel for optimum emissions and performance in a CI engine using response surface methodology. <i>Energy Conversion and Management</i> , 2018 , 156, 337-357	10.6	53

19	Optimization of DI diesel engine parameters fueled with iso-butanol/diesel blends [Response surface methodology approach. <i>Fuel</i> , 2017 , 203, 658-670	7.1	48
18	Diesel reformulation using bio-derived propanol to control toxic emissions from a light-duty agricultural diesel engine. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 16725-16734	5.1	14
17	Screening oxygenates for favorable NOx/smoke trade-off in a DI diesel engine using multi response optimization. <i>Fuel</i> , 2017 , 199, 670-683	7.1	22
16	A sustainable and eco-friendly fueling approach for direct-injection diesel engines using restaurant yellow grease and n-pentanol in blends with diesel fuel. <i>Fuel</i> , 2017 , 193, 419-431	7.1	64
15	Extraction and characterization of waste plastic oil (WPO) with the effect of n-butanol addition on the performance and emissions of a DI diesel engine fueled with WPO/diesel blends. <i>Energy Conversion and Management</i> , 2017 , 131, 117-126	10.6	94
14	1-Hexanol as a sustainable biofuel in DI diesel engines and its effect on combustion and emissions under the influence of injection timing and exhaust gas recirculation (EGR). <i>Applied Thermal Engineering</i> , 2017 , 113, 1505-1513	5.8	103
13	A comparative evaluation and optimization of performance and emission characteristics of a DI diesel engine fueled with n-propanol/diesel, n-butanol/diesel and n-pentanol/diesel blends using response surface methodology. <i>RSC Advances</i> , 2016 , 6, 61869-61890	3.7	23
12	Application of an enhanced Taguchi method for simultaneous reduction of smoke and NOx emissions using oxygenated additives and retarded injection timing in a stationary diesel engine. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016 , 38, 1893-1906	2	3
11	Effect of iso-butanol addition to diesel fuel on performance and emissions of a DI diesel engine with exhaust gas recirculation. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2016 , 230, 112-125	1.6	24
10	Use of higher alcohol biofuels in diesel engines: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 84-115	16.2	360
9	Effects of iso-butanol/diesel and n-pentanol/diesel blends on performance and emissions of a DI diesel engine under premixed LTC (low temperature combustion) mode. <i>Fuel</i> , 2016 , 170, 49-59	7.1	131
8	Combined effect of injection timing and exhaust gas recirculation (EGR) on performance and emissions of a DI diesel engine fuelled with next-generation advanced biofuel [diesel blends using response surface methodology. <i>Energy Conversion and Management</i> , 2016 , 123, 470-486	10.6	87
7	Effect of a sustainable biofuel [n-octanol [n the combustion, performance and emissions of a DI diesel engine under naturally aspirated and exhaust gas recirculation (EGR) modes. <i>Energy Conversion and Management</i> , 2016 , 118, 275-286	10.6	107
6	Effect of lignin-derived cyclohexanol on combustion, performance and emissions of a direct-injection agricultural diesel engine under naturally aspirated and exhaust gas recirculation (EGR) modes. <i>Fuel</i> , 2016 , 181, 630-642	7.1	45
5	A comparative analysis on combustion and emissions of some next generation higher-alcohol/diesel blends in a direct-injection diesel engine. <i>Energy Conversion and Management</i> , 2016 , 119, 246-256	10.6	105
4	Partially premixed low temperature combustion using dimethyl carbonate (DMC) in a DI diesel engine for favorable smoke/NOx emissions. <i>Fuel</i> , 2016 , 180, 396-406	7.1	77
3	Use of some advanced biofuels for overcoming smoke/NOx trade-off in a light-duty DI diesel engine. <i>Renewable Energy</i> , 2016 , 96, 687-699	8.1	54
2	Effect of exhaust gas recirculation (EGR) on performance and emissions of a constant speed DI diesel engine fueled with pentanol/diesel blends. <i>Fuel</i> , 2015 , 160, 217-226	7.1	185

1 Hydromagnetic flow and heat transfer on a continuously moving vertical surface. *Acta Mechanica*,
2002, 153, 249-253

2.1 8