

Silambarasan Rajendran

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

802
citations

516710

16
h-index

552781

26
g-index

51
all docs

51
docs citations

51
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative assessment on performance, combustion and emission characteristics of diesel engine fuelled by juliflora biodiesel-diesel blends. Australian Journal of Mechanical Engineering, 2023, 21, 257-269.	2.1	11
2	Sapota methyl ester: analysis of combustion and emission characteristics for partial replacement of diesel in a CI engine. International Journal of Ambient Energy, 2022, 43, 5076-5084.	2.5	1
3	Effect of natural antioxidant additive on hydrogen-enriched biodiesel operated compression ignition engine. International Journal of Hydrogen Energy, 2022, 47, 20771-20783.	7.1	9
4	A comparative study of performance and emission characteristics of neat biodiesel operated diesel engine: a review. Journal of Thermal Analysis and Calorimetry, 2021, 146, 1015-1025.	3.6	19
5	Effect of L-Ascorbic acid on performance and emission behavior of neem biodiesel operated diesel engine. Materials Today: Proceedings, 2021, 37, 1009-1013.	1.8	1
6	Impact of compression ratio and effect of biodiesel blends in performance, combustion and emission characteristics of VCR DI diesel engine. Materials Today: Proceedings, 2021, 37, 967-974.	1.8	3
7	A comparative review of performance and emission characteristics of diesel engine using eucalyptus-biodiesel blend. Fuel, 2021, 284, 118925.	6.4	43
8	Experimental investigations of diesel engine emissions and combustion behaviour using addition of antioxidant additives to jamun biodiesel blend. Fuel, 2021, 285, 119157.	6.4	25
9	Effect of antioxidant additives on oxides of nitrogen (NOx) emission reduction from Annona biodiesel operated diesel engine. Renewable Energy, 2020, 148, 1321-1326.	8.9	32
10	Characteristics analysis of juliflora biodiesel derived from different production methods. Fuel, 2020, 280, 118579.	6.4	14
11	Effect of antioxidant additives on oxides of nitrogen (NOx) emission reduction from annona biodiesel operated diesel engine. , 2019, , 247-263.		5
12	Syngas: Derived from biodiesel and its influence on CI engine. Energy, 2019, 189, 116189.	8.8	19
13	Leaf extract additives: A solution for reduction of NOx emission in a biodiesel operated compression ignition engine. Energy, 2019, 175, 862-878.	8.8	22
14	Assessment of performance, combustion, and emission behavior of novel annona biodiesel-operated diesel engine. , 2019, , 391-405.		19
15	Effect of 1, 4-dioxane addition on operating characteristics of a neat biodiesels-fueled diesel engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, , 1-14.	2.3	2
16	Effect of operating parameters and antioxidant additives with biodiesels to improve the performance and reducing the emissions in a compression ignition engine – A review. Renewable and Sustainable Energy Reviews, 2018, 81, 775-788.	16.4	73
17	Performance improvement and exhaust emissions reduction in biodiesel operated diesel engine through the use of operating parameters and catalytic converter: A review. Renewable and Sustainable Energy Reviews, 2018, 81, 3215-3222.	16.4	65
18	A novel alternative fuel for diesel engine: a comparative experimental investigation. International Journal of Global Warming, 2018, 14, 40.	0.5	1

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19	A novel alternative fuel for diesel engine: a comparative experimental investigation. International Journal of Global Warming, 2018, 14, 40.	0.5	0
20	Performance and emission characteristics of a low heat rejection engine using Nerium biodiesel and its blends. International Journal of Ambient Energy, 2017, 38, 186-192.	2.5	22
21	Antioxidant (A-tocopherol acetate) effect on oxidation stability and NOx emission reduction in methyl ester of Annona oil operated diesel engine. Heat and Mass Transfer, 2017, 53, 1797-1804.	2.1	12
22	Assessment of engine operating parameters on working characteristics of a diesel engine fueled with 20% proportion of biodiesel diesel blend. Energy, 2017, 141, 907-923.	8.8	14
23	Exhaust emissions reduction from diesel engine using combined Annonaâ€Eucalyptus oil blends and antioxidant additive. Heat and Mass Transfer, 2017, 53, 1105-1112.	2.1	19
24	A comparative experimental analysis of combustion in a diesel engine fuelled with biodiesel and diesel fuel. Biofuels, 2017, 8, 153-161.	2.4	2
25	Performance and emission characteristics of using sea lemon biodiesel with thermal barrier coating in a direct-injection diesel engine. Biofuels, 2017, 8, 235-241.	2.4	16
26	NOx Emission Reduction in Annona Biodiesel Engine by Means of Antioxidant Additives. SAE International Journal of Fuels and Lubricants, 2017, 10, .	0.2	1
27	Effect of leaf extract from Pongamia pinnata on the oxidation stability, performance and emission characteristics of calophyllum biodiesel. Fuel, 2016, 180, 263-269.	6.4	39
28	Performance improvement and emission control in a direct injection diesel engine using nano catalyst coated pistons. Biofuels, 2016, 7, 529-535.	2.4	8
29	Contemplation of thermal characteristics by filling ratio of Al2O3 nanofluid in wire mesh heat pipe. AEJ - Alexandria Engineering Journal, 2016, 55, 1063-1068.	6.4	18
30	Improving the performance is better and emission reductions from Annona biodiesel operated diesel engine using 1,4-dioxane fuel additive. Fuel, 2016, 185, 804-809.	6.4	38
31	Combustion analysis of Jatropha methyl esters and Pongamia methyl esters with the addition of ethanol as fuel in a diesel engine. International Journal of Ambient Energy, 2016, 37, 321-327.	2.5	0
32	Effects of nano additives on performance and emission characteristics of a diesel engine fueled with Annona methyl ester. Biofuels, 2016, 7, 271-277.	2.4	17
33	The influence of injection timing on the performance and emission characteristics of an Annona methyl ester operated diesel engine. Biofuels, 2016, 7, 437-445.	2.4	7
34	Effects of antioxidant additives on exhaust emissions reduction in compression ignition engine fueled with methyl ester of annona oil. Thermal Science, 2016, 20, 1029-1035.	1.1	7
35	Use of antioxidant additives for NOx mitigation in compression ignition engine operated with biodiesel from annona oil. Thermal Science, 2016, 20, 967-972.	1.1	12
36	Application of thermal barrier coating for improving the suitability of Annona biodiesel in a diesel engine. Thermal Science, 2016, 20, 973-979.	1.1	6

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37	Studies on orange oil methyl ester in diesel engine with hemispherical and toroidal combustion chamber. <i>Thermal Science</i> , 2016, 20, 981-989.	1.1	21
38	The influence of natural and synthetic antioxidant on oxidation stability and emission of sapota oil methyl ester as fuel in CI engine. <i>Thermal Science</i> , 2016, 20, 991-997.	1.1	13
39	Effect of L-ascorbic acid as additive for exhaust emission reduction in a direct injection diesel engine using mango seed methyl ester. <i>Thermal Science</i> , 2016, 20, 999-1004.	1.1	5
40	Contraction of radiator length in heavy vehicles using cerium oxide nanofluid by enhancing heat transfer performance. <i>Thermal Science</i> , 2016, 20, 1037-1044.	1.1	1
41	Effect of di ethyl ether on the performance and emission characteristics of a diesel engine using biodiesel eucalyptus oil blends. <i>RSC Advances</i> , 2015, 5, 54019-54027.	3.6	41
42	Environmental effect of antioxidant additives on exhaust emission reduction in compression ignition engine fuelled with Annona methyl ester. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2079-2085.	2.2	21
43	Impact of injection pressure on the performance and emission characteristics of a diesel engine fuelled with Annona methyl ester. <i>Biofuels</i> , 2015, 6, 295-303.	2.4	4
44	Annona: A new biodiesel for diesel engine: A comparative experimental investigation. <i>Journal of the Energy Institute</i> , 2015, 88, 459-469.	5.3	49
45	Influence of Compression Ratio on the Performance and Emission Characteristics of Annona Methyl Ester Operated DI Diesel Engine. <i>Advances in Mechanical Engineering</i> , 2014, 6, 832470.	1.6	14
46	Exhaust Emissions Reduction from Neat Biodiesel Operated Diesel Engine Using Catalyst Coated Piston and Antioxidant Additive. , 0, , .		1
47	Addition of diethyl ether on the LHR engine characteristics using biodiesel-eucalyptus blend. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-17.	2.3	12
48	Influence of natural leaf additive in a biodiesel-operated LHR engine on performance and NOx emission. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-19.	2.3	8
49	Effect of isopropyl alcohol on the performance, combustion and emission Characteristics variable compression ratio engine using rubber seed oil blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-16.	2.3	6
50	A comparative study of methyl ester blend ratio on thermal stability and combustion characteristics of diesel engine. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	1
51	Effects of Dual Biodiesel on a LHR-DI Diesel Engine Performance, Emission and Combustion Characteristics. , 0, , .		3