

Murat Kadir Yesilyurt

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,545
citations

361413

20
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	The production of methyl ester from industrial grade hemp (<i>Cannabis sativa</i> L.) seed oil: a perspective of Turkey – the optimization study using the Taguchi method. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9955-9975.	4.6	7
2	Modeling of a port fuel injection spark-ignition engine with different compression ratios using methanol blends with the response surface methodology. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2023, 237, 936-944.	2.5	4
3	Simultaneous optimization of multiple engine parameters of a 1-heptanol / gasoline fuel blends operated a port-fuel injection spark-ignition engine using response surface methodology approach. <i>Energy</i> , 2022, 238, 122019.	8.8	18
4	Effects of using ethyl acetate as a surprising additive in SI engine pertaining to an environmental perspective. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 9427-9456.	3.5	9
5	Comprehensive investigation of using n-butanol/gasoline blends in a port-fuel injection spark-ignition engine. <i>International Journal of Exergy</i> , 2022, 37, 1.	0.4	1
6	Experimental assessment of the influences of liquid-solid-gas fuel blends on DI-CI engine behaviors. <i>Chemical Engineering Research and Design</i> , 2022, 159, 511-524.	5.6	13
7	An experimental assessment on dual fuel engine behavior powered by waste tire-derived pyrolysis oil – biogas blends. <i>Fuel Processing Technology</i> , 2022, 229, 107177.	7.2	23
8	The experimental investigation on the impact of n-octanol in the compression-ignition engine operating with biodiesel/diesel fuel blends: exergy, exergoeconomic, environmental analyses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 11231-11259.	3.6	13
9	Impact prediction model of acetone at various ignition advance by artificial neural network and response surface methodology techniques for spark ignition engine. , 2022, 77, 7.		6
10	The industrial-grade hemp (<i>Cannabis sativa</i> L.) seed oil biodiesel application in a diesel engine: combustion, harmful pollutants, and performance characteristics. , 2022, 77, 15.		1
11	Optimization of Parameters Affecting the Performance and Emissions of a Spark Ignition Engine Fueled with n-Pentanol/Gasoline Blends Using Taguchi Method. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11711-11724.	3.0	4
12	The influence of n-pentanol blending with gasoline on performance, combustion, and emission behaviors of an SI engine. <i>Engineering Science and Technology, an International Journal</i> , 2021, 24, 1329-1346.	3.2	10
13	Wastes to energy: Improving the poor properties of waste tire pyrolysis oil with waste cooking oil methyl ester and waste fusel alcohol – A detailed assessment on the combustion, emission, and performance characteristics of a CI engine. <i>Energy</i> , 2021, 222, 119942.	8.8	58
14	Application of Higher-Order Alcohols (1-Hexanol-C6 and 1-Heptanol-C7) in a Spark-Ignition Engine: Analysis and Assessment. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11937-11961.	3.0	18
15	An extensive investigation of utilization of a C8 type long-chain alcohol as a sustainable next-generation biofuel and diesel fuel blends in a CI engine – The effects of alcohol infusion ratio on the performance, exhaust emissions, and combustion characteristics. <i>Fuel</i> , 2021, 305, 121453.	6.4	26
16	Biodiesel synthesis from <i>Styrax officinalis</i> L. seed oil as a novel and potential non-edible feedstock: A parametric optimization study through the Taguchi technique. <i>Fuel</i> , 2020, 265, 117025.	6.4	55
17	Experimental investigation on the performance, combustion and exhaust emission characteristics of a compression-ignition engine fueled with cottonseed oil biodiesel/diethyl ether/diesel fuel blends. <i>Energy Conversion and Management</i> , 2020, 205, 112355.	9.2	166
18	The production of biodiesel from safflower (<i>Carthamus tinctorius</i> L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109574.	16.4	105

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19	A detailed investigation on the performance, combustion, and exhaust emission characteristics of a diesel engine running on the blend of diesel fuel, biodiesel and 1-heptanol (C7 alcohol) as a next-generation higher alcohol. <i>Fuel</i> , 2020, 275, 117893.	6.4	93
20	Investigation on 1-heptanol as an oxygenated additive with diesel fuel for compression-ignition engine applications: An approach in terms of energy, exergy, exergoeconomic, enviroeconomic, and sustainability analyses. <i>Fuel</i> , 2020, 275, 117973.	6.4	65
21	The examination of a compression-ignition engine powered by peanut oil biodiesel and diesel fuel in terms of energetic and exergetic performance parameters. <i>Fuel</i> , 2020, 278, 118319.	6.4	54
22	Investigation on the structural effects of the addition of alcohols having various chain lengths into the vegetable oil-biodiesel-diesel fuel blends: An attempt for improving the performance, combustion, and exhaust emission characteristics of a compression ignition engine. <i>Fuel</i> , 2020, 269, 117455.	6.4	80
23	The performance, emissions, and combustion characteristics of an unmodified diesel engine running on the ternary blends of pentanol/safflower oil biodiesel/diesel fuel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2903-2942.	3.6	84
24	The modeling and analysis of transesterification reaction conditions in the selection of optimal biodiesel yield and viscosity. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10351-10366.	5.3	28
25	Experimental assessment of a CI engine operating with 1-pentanol/diesel fuel blends. <i>International Journal of Automotive Science and Technology</i> , 2020, 4, 70-89.	1.0	12
26	An Experimental Study On The Performance And Exhaust Emission Characteristics Of A CI Engine Powered By Alcohol/Biodiesel/Diesel Fuel Blends Containing Different Types Of Alcohol (Isopropanol-C3, 1-Butanol-C4, And Isopentanol-C5). <i>Hittite Journal of Science & Engineering</i> , 2020, 7, 135-148.	0.5	2
27	Improving the Running Conditions of Diesel Engine with Grape Seed Oil Additives by Response Surface Design. <i>International Journal of Automotive Science and Technology</i> , 2020, 4, 185-192.	1.0	3
28	The effects of the fuel injection pressure on the performance and emission characteristics of a diesel engine fuelled with waste cooking oil biodiesel-diesel blends. <i>Renewable Energy</i> , 2019, 132, 649-666.	8.9	151
29	The performance assessment of cubic spline interpolation and response surface methodology in the mathematical modeling to optimize biodiesel production from waste cooking oil. <i>Fuel</i> , 2019, 255, 115778.	6.4	40
30	Analysis of the fuel injection pressure effects on energy and exergy efficiencies of a diesel engine operating with biodiesel. <i>Biofuels</i> , 2019, 10, 643-655.	2.4	40
31	Application of response surface methodology for the optimization of biodiesel production from yellow mustard (<i>Sinapis alba</i> L.) seed oil. <i>International Journal of Green Energy</i> , 2019, 16, 60-71.	3.8	47
32	The evaluation of a direct injection diesel engine operating with waste cooking oil biodiesel in point of the environmental and enviroeconomic aspects. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 654-661.	2.3	27
33	A comparative analysis of the engine performance, exhaust emissions and combustion behaviors of a compression ignition engine fuelled with biodiesel/diesel/1-butanol (C4 alcohol) and biodiesel/diesel/n-pentanol (C5 alcohol) fuel blends. <i>Energy</i> , 2018, 165, 1332-1351.	8.8	111
34	Comparison of empirical equations and artificial neural network results in terms of kinematic viscosity prediction of fuels based on hazelnut oil methyl ester. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1827-1841.	2.3	8
35	Influence of blending ratio on the physicochemical properties of safflower oil methyl ester-safflower oil, safflower oil methyl ester-diesel and safflower oil-diesel. <i>Renewable Energy</i> , 2016, 95, 233-247.	8.9	51
36	Biodiesel production potential from oil seeds in Turkey. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 842-851.	16.4	78

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37	Prediction of Kinematic Viscosities of Biodiesels Derived from Edible and Non-edible Vegetable Oils by Using Artificial Neural Networks. Arabian Journal for Science and Engineering, 2015, 40, 3745-3758.	1.1	18
38	Fuel Properties of Biodiesel Produced from Balci Variety Oil of Safflower (Carthamus tinctorious L.). International Journal of Automotive Engineering and Technologies, 2014, 3, 74.	0.5	2
39	Determination of the Fuel Properties of Cottonseed Oil Methyl Ester and Its Blends with Diesel Fuel. International Journal of Automotive Engineering and Technologies, 2014, 3, 79.	0.5	8
40	A Study Toward Analyzing the Energy, Exergy and Sustainability Index Based on Performance and Exhaust Emission Characteristics of a Spark-Ignition Engine Fuelled with the Binary Blends of Gasoline and Methanol or Ethanol. Uluslararası Mühendislik Araştırma Ve Geliştirme Dergisi, 0, , 529-548.	0.2	6