Murat Kadir Yesilyurt

List of Publications by Year
in descending order

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	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. Energy Conversion and Management, 2020, 205, 112355.	9.2	166
2	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. Renewable Energy, 2019, 132, 649-666.	8.9	151
3	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. Energy, 2018, 165, 1332-1351.	8.8	111
4	The production of biodiesel from safflower (Carthamus tinctorius L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review. Renewable and Sustainable Energy Reviews, 2020, 119, 109574.	16.4	105
5	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. Fuel, 2020, 275, 117893.	6.4	93
6	The performance, emissions, and combustion characteristics of an unmodified diesel engine running on the ternary blends of pentanol/safflower oil biodiesel/diesel fuel. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2903-2942.	3.6	84
7	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. Fuel, 2020, 269, 117455.	6.4	80
8	Biodiesel production potential from oil seeds in Turkey. Renewable and Sustainable Energy Reviews, 2016, 58, 842-851.	16.4	78
9	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. Fuel, 2020, 275, 117973.	6.4	65
10	Wastes to energy: Improving the poor properties of waste tire pyrolysis oil with waste cooking oil methyl ester and waste fusel alcohol â€“ A detailed assessment on the combustion, emission, and performance characteristics of a CI engine. Energy, 2021, 222, 119942.	8.8	58
11	Biodiesel synthesis from Styrax officinalis L. seed oil as a novel and potential non-edible feedstock: A parametric optimization study through the Taguchi technique. Fuel, 2020, 265, 117025.	6.4	55
12	The examination of a compression-ignition engine powered by peanut oil biodiesel and diesel fuel in terms of energetic and exergetic performance parameters. Fuel, 2020, 278, 118319.	6.4	54
13	Influence of blending ratio on the physicochemical properties of safflower oil methyl ester-safflower oil, safflower oil methyl ester-diesel and safflower oil-diesel. Renewable Energy, 2016, 95, 233-247.	8.9	51
14	Application of response surface methodology for the optimization of biodiesel production from yellow mustard (Sinapis alba L.) seed oil. International Journal of Green Energy, 2019, 16, 60-71.	3.8	47
15	The performance assessment of cubic spline interpolation and response surface methodology in the mathematical modeling to optimize biodiesel production from waste cooking oil. Fuel, 2019, 255, 115778.	6.4	40
16	Analysis of the fuel injection pressure effects on energy and exergy efficiencies of a diesel engine operating with biodiesel. Biofuels, 2019, 10, 643-655.	2.4	40
17	The modeling and analysis of transesterification reaction conditions in the selection of optimal biodiesel yield and viscosity. Environmental Science and Pollution Research, 2020, 27, 10351-10366.	5.3	28
18	The evaluation of a direct injection diesel engine operating with waste cooking oil biodiesel in point of the environmental and enviroeconomic aspects. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 654-661.	2.3	27

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19	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 â€“ The effects of alcohol infusion ratio on the performance, exhaust emissions, and combustion characteristics. Fuel, 2021, 305, 121453.	6.4	26
20	An experimental assessment on dual fuel engine behavior powered by waste tire-derived pyrolysis oil â€“ biogas blends. Fuel Processing Technology, 2022, 229, 107177.	7.2	23
21	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
22	Application of Higher-Order Alcohols (1-Hexanol-C6 and 1-Heptanol-C7) in a Spark-Ignition Engine: Analysis and Assessment. Arabian Journal for Science and Engineering, 2021, 46, 11937-11961.	3.0	18
23	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. Energy, 2022, 238, 122019.	8.8	18
24	Experimental assessment of the influences of liquid-solid-gas fuel blends on DI-CI engine behaviors. Chemical Engineering Research and Design, 2022, 159, 511-524.	5.6	13
25	The experimental investigation on the impact of n-octanol in the compression-ignition engine operating with biodiesel/diesel fuel blends: exergy, exergoeconomic, environmental analyses. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11231-11259.	3.6	13
26	Experimental assessment of a CI engine operating with 1-pentanol/diesel fuel blends. International Journal of Automotive Science and Technology, 2020, 4, 70-89.	1.0	12
27	The influence of n-pentanol blending with gasoline on performance, combustion, and emission behaviors of an SI engine. Engineering Science and Technology, an International Journal, 2021, 24, 1329-1346.	3.2	10
28	Effects of using ethyl acetate as a surprising additive in SI engine pertaining to an environmental perspective. International Journal of Environmental Science and Technology, 2022, 19, 9427-9456.	3.5	9
29	Comparison of empirical equations and artificial neural network results in terms of kinematic viscosity prediction of fuels based on hazelnut oil methyl ester. Environmental Progress and Sustainable Energy, 2016, 35, 1827-1841.	2.3	8
30	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
31	The production of methyl ester from industrial grade hemp (Cannabis sativa L.) seed oil: a perspective of Turkey â€” the optimization study using the Taguchi method. Biomass Conversion and Biorefinery, 2023, 13, 9955-9975.	4.6	7
32	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. UluslararasÄ± Muhendislik Arastirma Ve Gelistirme Dergisi, 0, , 529-548.	0.2	6
33	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
34	Optimization of Parameters Affecting the Performance and Emissions of a Spark Ignition Engine Fueled with n-Pentanol/Gasoline Blends Using Taguchi Method. Arabian Journal for Science and Engineering, 2021, 46, 11711-11724.	3.0	4
35	Modeling of a port fuel injection spark-ignition engine with different compression ratios using methanol blends with the response surface methodology. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 936-944.	2.5	4
36	Improving the Running Conditions of Diesel Engine with Grape Seed Oil Additives by Response Surface Design. International Journal of Automotive Science and Technology, 2020, 4, 185-192.	1.0	3

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37	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
38	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). Hittite Journal of Science & Engineering, 2020, 7, 135-148.	0.5	2
39	Comprehensive investigation of using n-butanol/gasoline blends in a port-fuel injection spark-ignition engine. International Journal of Exergy, 2022, 37, 1.	0.4	1
40	The industrial-grade hemp (Cannabis sativa L.) seed oil biodiesel application in a diesel engine: combustion, harmful pollutants, and performance characteristics. , 2022, 77, 15.		1