Alfredas Rimkus

List of Publications by Year
in descending order

39	731	567144 15	552653 26
papers	citations	h-index	g-index

40	40	40	564
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Effect of Intake Valve Timing on Spark-Ignition Engine Performances Fueled by Natural Gas at Low Power. Energies, 2022, 15, 398.	1.6	6
2	Physicochemical Properties of Diethyl Etherâ€"Sunflower Oil Blends and Their Impact on Diesel Engine Emissions. Energies, 2022, 15, 4133.	1.6	6
3	Comparative Study of Combustion, Performance and Emission Characteristics of Hydrotreated Vegetable Oilâ€"Biobutanol Fuel Blends and Diesel Fuel on a CI Engine. Sustainability, 2022, 14, 7324.	1.6	6
4	Effect of Hydrogen Addition on the Energetic and Ecologic Parameters of an SI Engine Fueled by Biogas. Applied Sciences (Switzerland), 2021, 11, 742.	1.3	28
5	Study of Indicators of CI Engine Running on Conventional Diesel and Chicken Fat Mixtures Changing EGR. Applied Sciences (Switzerland), 2021, 11, 1411.	1.3	8
6	Research of Parameters of a Compression Ignition Engine Using Various Fuel Mixtures of Hydrotreated Vegetable Oil (HVO) and Fatty Acid Esters (FAE). Energies, 2021, 14, 3077.	1.6	10
7	A Study of Energy and Environmental Parameters of a Diesel Engine Running on Hydrogenated Vegetable Oil (HVO) with Addition of Biobutanol and Castor Oil. Energies, 2021, 14, 3939.	1.6	19
8	Investigation of Performance and Emission Parameters of Hydroxygen (HHO)-Enriched Diesel Fuel with Water Injection in the Compression Ignition Engine. Clean Technologies, 2021, 3, 537-562.	1.9	3
9	Engine Vibration Data Increases Prognosis Accuracy on Emission Loads: A Novel Statistical Regressions Algorithm Approach for Vibration Analysis in Time Domain. Symmetry, 2021, 13, 1234.	1.1	4
10	Assessment of Microalgae Oil as a Carbon-Neutral Transport Fuel: Engine Performance, Energy Balance Changes, and Exhaust Gas Emissions. Sustainability, 2021, 13, 7878.	1.6	2
11	Analysis of the Influence of CO2 Concentration on a Spark Ignition Engine Fueled with Biogas. Applied Sciences (Switzerland), 2021, 11, 6379.	1.3	7
12	Application of Acoustic Agglomeration Technology to Improve the Removal of Submicron Particles from Vehicle Exhaust. Symmetry, 2021, 13, 1200.	1.1	6
13	Comparison of Research Data of Dieselâ€"Biodieselâ€"Isopropanol and Dieselâ€"Rapeseed Oilâ€"Isopropanol Fuel Blends Mixed at Different Proportions on a CI Engine. Sustainability, 2021, 13, 10059.	1.6	4
14	Impact of Simulated Biogas Compositions (CH4 and CO2) on Vibration, Sound Pressure and Performance of a Spark Ignition Engine. Energies, 2021, 14, 7037.	1.6	3
15	Experimental investigation of acoustic agglomeration of diesel engine exhaust particles using new created acoustic chamber. Powder Technology, 2020, 360, 421-429.	2.1	24
16	Research of Energy and Ecological Indicators of a Compression Ignition Engine Fuelled with Diesel, Biodiesel (RME-Based) and Isopropanol Fuel Blends. Energies, 2020, 13, 2398.	1.6	12
17	Improving Fuel Economy of Spark Ignition Engines Applying the Combined Method of Power Regulation. Energies, 2020, 13, 1076.	1.6	22
18	Efficient hydrotreated vegetable oil combustion under partially premixed conditions with heavy exhaust gas recirculation. Fuel, 2020, 268, 117350.	3.4	43

#	Article	IF	Citations
19	Comparative Study on the Energetic and Ecologic Parameters of Dual Fuels (Dieselâ€“NG and) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.3	31
20	Alternative Carbonless Fuels for Internal Combustion Engines of Vehicles. Lecture Notes in Networks and Systems, 2020, , 1-49.	0.5	6
21	Research on Fuel Efficiency and Emissions of Converted Diesel Engine with Conventional Fuel Injection System for Operation on Natural Gas. Energies, 2019, 12, 2413.	1.6	10
22	Evaluation of P.Âmoriformis oil and its blends with diesel fuel as promising contributors to transportation energy. Energy, 2019, 189, 116196.	4.5	3
23	Research on the Combustion, Energy and Emission Parameters of Various Concentration Blends of Hydrotreated Vegetable Oil Biofuel and Diesel Fuel in a Compression-Ignition Engine. Energies, 2019, 12, 2978.	1.6	40
24	Internal Combustion Engine Analysis of Energy Ecological Parameters by Neutrosophic MULTIMOORA and SWARA Methods. Energies, 2019, 12, 1415.	1.6	37
25	Research of performance and emission indicators of the compression-ignition engine powered by hydrogen - Diesel mixtures. International Journal of Hydrogen Energy, 2019, 44, 10129-10138.	3.8	49
26	An investigation of the efficiency of using O2 and H2 (hydrooxile gas -HHO) gas additives in a ci engine operating on diesel fuel and biodiesel. Energy, 2018, 152, 640-651.	4.5	72
27	Simulation of spark ignition engine performance working on biogas hydrogen mixture. MATEC Web of Conferences, 2018, 244, 03001.	0.1	0
28	Intensification of the combustion process in a gasoline engine by adding a hydrogen-containing gas. International Journal of Hydrogen Energy, 2018, 43, 16334-16343.	3.8	20
29	Comparison of Conventional and Hybrid Cars Exploitation Costs. Advances in Science and Technology Research Journal, 2018, 12, 221-227.	0.4	4
30	Air Restrictor and Turbocharger Influence for the Formula Student Engine Performance. Procedia Engineering, 2017, 187, 402-407.	1.2	10
31	Operation of a Spark-ignition Engine on Mixtures of Petrol and N-butanol. Procedia Engineering, 2017, 187, 588-598.	1.2	17
32	Efficient and Ecological Indicators of CI Engine Fuelled with Different Diesel and LPG Mixtures. Procedia Engineering, 2017, 187, 504-512.	1.2	21
33	Improvement of the Compression-ignition Engine Indicators Using Dual Fuel (Diesel and Liquefied) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	8
34	INVESTIGATION OF COMBUSTION, PERFORMANCE AND EMISSION CHARACTERISTICS OF SPARK IGNITION ENGINE FUELLED WITH BUTHANOL â€“ GASOLINE MIXTURE AND A HYDROGEN ENRICHED AIR. Advances in Science and Technology Research Journal, 2016, 10, 102-108.	0.4	3
35	Theoretical evaluation of the influence of the thermodynamic processes on the selection of shock absorbers for sports cars. Mechanika, 2016, 22, .	0.3	1
36	Impact of biomethane gas on energy and emission characteristics of a spark ignition engine fuelled with a stoichiometric mixture at various ignition advance angles. Fuel, 2015, 162, 194-201.	3.4	19

#	Article	IF	Citations
37	Research on the combustion, energy and emission parameters of diesel fuel and a biomass-to-liquid (BTL) fuel blend in a compression-ignition engine. Energy Conversion and Management, 2015, 106, 1109-1117.	4.4	38
38	Performance and emission characteristics of biogas used in diesel engine operation. Energy Conversion and Management, 2013, 75, 224-233.	4.4	114
39	Betterment of ecological parameters of a diesel engine using Brownâ€˜s gas. Journal of Environmental Engineering and Landscape Management, 2013, 21, 133-140.	0.4	15