

# Alfredas Rimkus

## List of Publications by Year in descending order

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39  
papers

731  
citations

567281

15  
h-index

552781

26  
g-index

40  
all docs

40  
docs citations

40  
times ranked

564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance and emission characteristics of biogas used in diesel engine operation. <i>Energy Conversion and Management</i> , 2013, 75, 224-233.	9.2	114
2	An investigation of the efficiency of using O <sub>2</sub> and H <sub>2</sub> (hydroxile gas -HHO) gas additives in a ci engine operating on diesel fuel and biodiesel. <i>Energy</i> , 2018, 152, 640-651.	8.8	72
3	Research of performance and emission indicators of the compression-ignition engine powered by hydrogen - Diesel mixtures. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10129-10138.	7.1	49
4	Efficient hydrotreated vegetable oil combustion under partially premixed conditions with heavy exhaust gas recirculation. <i>Fuel</i> , 2020, 268, 117350.	6.4	43
5	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. <i>Energies</i> , 2019, 12, 2978.	3.1	40
6	Research on the combustion, energy and emission parameters of diesel fuel and a biomass-to-liquid (BTL) fuel blend in a compression-ignition engine. <i>Energy Conversion and Management</i> , 2015, 106, 1109-1117.	9.2	38
7	Internal Combustion Engine Analysis of Energy Ecological Parameters by Neutrosophic MULTIMOORA and SWARA Methods. <i>Energies</i> , 2019, 12, 1415.	3.1	37
8	Comparative Study on the Energetic and Ecologic Parameters of Dual Fuels (Diesel+NG and) Tj ETQqO O O rgBT /Overlock 10 Tf 50 462	2.5	31
9	Effect of Hydrogen Addition on the Energetic and Ecologic Parameters of an SI Engine Fueled by Biogas. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 742.	2.5	28
10	Experimental investigation of acoustic agglomeration of diesel engine exhaust particles using new created acoustic chamber. <i>Powder Technology</i> , 2020, 360, 421-429.	4.2	24
11	Improving Fuel Economy of Spark Ignition Engines Applying the Combined Method of Power Regulation. <i>Energies</i> , 2020, 13, 1076.	3.1	22
12	Efficient and Ecological Indicators of CI Engine Fuelled with Different Diesel and LPG Mixtures. <i>Procedia Engineering</i> , 2017, 187, 504-512.	1.2	21
13	Intensification of the combustion process in a gasoline engine by adding a hydrogen-containing gas. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16334-16343.	7.1	20
14	Impact of biomethane gas on energy and emission characteristics of a spark ignition engine fuelled with a stoichiometric mixture at various ignition advance angles. <i>Fuel</i> , 2015, 162, 194-201.	6.4	19
15	A Study of Energy and Environmental Parameters of a Diesel Engine Running on Hydrogenated Vegetable Oil (HVO) with Addition of Biobutanol and Castor Oil. <i>Energies</i> , 2021, 14, 3939.	3.1	19
16	Operation of a Spark-ignition Engine on Mixtures of Petrol and N-butanol. <i>Procedia Engineering</i> , 2017, 187, 588-598.	1.2	17
17	Betterment of ecological parameters of a diesel engine using Brown's gas. <i>Journal of Environmental Engineering and Landscape Management</i> , 2013, 21, 133-140.	1.0	15
18	Research of Energy and Ecological Indicators of a Compression Ignition Engine Fuelled with Diesel, Biodiesel (RME-Based) and Isopropanol Fuel Blends. <i>Energies</i> , 2020, 13, 2398.	3.1	12

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19	Air Restrictor and Turbocharger Influence for the Formula Student Engine Performance. <i>Procedia Engineering</i> , 2017, 187, 402-407.	1.2	10
20	Research on Fuel Efficiency and Emissions of Converted Diesel Engine with Conventional Fuel Injection System for Operation on Natural Gas. <i>Energies</i> , 2019, 12, 2413.	3.1	10
21	Research of Parameters of a Compression Ignition Engine Using Various Fuel Mixtures of Hydrotreated Vegetable Oil (HVO) and Fatty Acid Esters (FAE). <i>Energies</i> , 2021, 14, 3077.	3.1	10
22	Improvement of the Compression-ignition Engine Indicators Using Dual Fuel (Diesel and Liquefied) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.2	10
23	Study of Indicators of CI Engine Running on Conventional Diesel and Chicken Fat Mixtures Changing EGR. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1411.	2.5	8
24	Analysis of the Influence of CO2 Concentration on a Spark Ignition Engine Fueled with Biogas. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6379.	2.5	7
25	Application of Acoustic Agglomeration Technology to Improve the Removal of Submicron Particles from Vehicle Exhaust. <i>Symmetry</i> , 2021, 13, 1200.	2.2	6
26	Alternative Carbonless Fuels for Internal Combustion Engines of Vehicles. <i>Lecture Notes in Networks and Systems</i> , 2020, , 1-49.	0.7	6
27	The Effect of Intake Valve Timing on Spark-Ignition Engine Performances Fueled by Natural Gas at Low Power. <i>Energies</i> , 2022, 15, 398.	3.1	6
28	Physicochemical Properties of Diethyl Etherâ€™Sunflower Oil Blends and Their Impact on Diesel Engine Emissions. <i>Energies</i> , 2022, 15, 4133.	3.1	6
29	Comparative Study of Combustion, Performance and Emission Characteristics of Hydrotreated Vegetable Oilâ€™Biobutanol Fuel Blends and Diesel Fuel on a CI Engine. <i>Sustainability</i> , 2022, 14, 7324.	3.2	6
30	Engine Vibration Data Increases Prognosis Accuracy on Emission Loads: A Novel Statistical Regressions Algorithm Approach for Vibration Analysis in Time Domain. <i>Symmetry</i> , 2021, 13, 1234.	2.2	4
31	Comparison of Research Data of Dieselâ€™Biodieselâ€™Isopropanol and Dieselâ€™Rapeseed Oilâ€™Isopropanol Fuel Blends Mixed at Different Proportions on a CI Engine. <i>Sustainability</i> , 2021, 13, 10059.	3.2	4
32	Comparison of Conventional and Hybrid Cars Exploitation Costs. <i>Advances in Science and Technology Research Journal</i> , 2018, 12, 221-227.	0.8	4
33	Evaluation of P.Âmoriformis oil and its blends with diesel fuel as promising contributors to transportation energy. <i>Energy</i> , 2019, 189, 116196.	8.8	3
34	Investigation of Performance and Emission Parameters of Hydroxygen (HHO)-Enriched Diesel Fuel with Water Injection in the Compression Ignition Engine. <i>Clean Technologies</i> , 2021, 3, 537-562.	4.2	3
35	INVESTIGATION OF COMBUSTION, PERFORMANCE AND EMISSION CHARACTERISTICS OF SPARK IGNITION ENGINE FUELLED WITH BUTHANOL â€™ GASOLINE MIXTURE AND A HYDROGEN ENRICHED AIR. <i>Advances in Science and Technology Research Journal</i> , 2016, 10, 102-108.	0.8	3
36	Impact of Simulated Biogas Compositions (CH4 and CO2) on Vibration, Sound Pressure and Performance of a Spark Ignition Engine. <i>Energies</i> , 2021, 14, 7037.	3.1	3

#	ARTICLE	IF	CITATIONS
37	Assessment of Microalgae Oil as a Carbon-Neutral Transport Fuel: Engine Performance, Energy Balance Changes, and Exhaust Gas Emissions. Sustainability, 2021, 13, 7878.	3.2	2
38	Theoretical evaluation of the influence of the thermodynamic processes on the selection of shock absorbers for sports cars. Mechanika, 2016, 22, .	0.5	1
39	Simulation of spark ignition engine performance working on biogas hydrogen mixture. MATEC Web of Conferences, 2018, 244, 03001.	0.2	0