

Jonas Matijosius

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

457
citations

13
h-index

19
g-index

63
ext. papers

578
ext. citations

2.7
avg, IF

4.39
L-index

#	Paper	IF	Citations
56	An investigation of the efficiency of using O ₂ and H ₂ (hydroxile gas -HHO) gas additives in a ci engine operating on diesel fuel and biodiesel. <i>Energy</i> , 2018 , 152, 640-651	7.9	47
55	Efficient hydrotreated vegetable oil combustion under partially premixed conditions with heavy exhaust gas recirculation. <i>Fuel</i> , 2020 , 268, 117350	7.1	35
54	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	29
53	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	6.7	28
52	Internal Combustion Engine Analysis of Energy Ecological Parameters by Neutrosophic MULTIMOORA and SWARA Methods. <i>Energies</i> , 2019 , 12, 1415	3.1	25
51	Comparative Study on the Energetic and Ecologic Parameters of Dual Fuels (DieselNG and HVOBiogas) and Conventional Diesel Fuel in a CI Engine. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 359	2.6	22
50	RESEARCH INTO THE QUALITY OF FUELS AND THEIR BIOCOMPONENTS. <i>Transport</i> , 2009 , 24, 212-217	1.4	17
49	EFFECT OF CNG IN A FUEL DOSE ON THE COMBUSTION PROCESS OF A COMPRESSION-IGNITION ENGINE. <i>Transport</i> , 2015 , 30, 162-171	1.4	16
48	The exploitation and environmental characteristics of diesel fuel containing rapeseed butyl esters. <i>Transport</i> , 2013 , 28, 158-165	1.4	16
47	COMPARATIVE INVESTIGATIONS INTO ENERGETIC AND ECOLOGICAL PARAMETERS OF CAMELINA-BASED BIOFUEL USED IN THE 1Z DIESEL ENGINE. <i>Transport</i> , 2012 , 27, 171-177	1.4	16
46	Operation of a Spark-ignition Engine on Mixtures of Petrol and N-butanol. <i>Procedia Engineering</i> , 2017 , 187, 588-598		14
45	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	6.7	14
44	Efficient and Ecological Indicators of CI Engine Fuelled with Different Diesel and LPG Mixtures. <i>Procedia Engineering</i> , 2017 , 187, 504-512		13
43	Experimental investigation of acoustic agglomeration of diesel engine exhaust particles using new created acoustic chamber. <i>Powder Technology</i> , 2020 , 360, 421-429	5.2	13
42	Betterment of ecological parameters of a diesel engine using Brown gas. <i>Journal of Environmental Engineering and Landscape Management</i> , 2013 , 21, 133-140	1.1	11
41	Improving Fuel Economy of Spark Ignition Engines Applying the Combined Method of Power Regulation. <i>Energies</i> , 2020 , 13, 1076	3.1	10
40	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	10

39	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	9
38	ANALYSIS OF THE INFLUENCE OF FATIGUE ON PASSENGER TRANSPORT DRIVERS' PERFORMANCE CAPACITY. <i>Transport</i> , 2012 , 27, 351-356	1.4	9
37	The Assessment of Importance of the Factors that Predetermine the Quality of a Service of Transportation by Road Vehicles. <i>Procedia Engineering</i> , 2016 , 134, 422-429		9
36	Analysis of Dynamic Parameters of a Railway Bridge. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2545	2.6	7
35	Research of the Energy Losses of Photovoltaic (PV) Modules after Hail Simulation Using a Newly-Created Testbed. <i>Energies</i> , 2019 , 12, 4537	3.1	7
34	The Usage of Alternative Materials to Optimize Bus Frame Structure. <i>Symmetry</i> , 2020 , 12, 1010	2.7	6
33	The Influence of Different Loads on the Footbridge Dynamic Parameters. <i>Symmetry</i> , 2020 , 12, 657	2.7	6
32	Tests of hail simulation and research of the resulting impact on the structural reliability of solar cells. <i>Eksploatacja I Niezawodnosc</i> , 2019 , 21, 275-281	3.5	6
31	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	5
30	Study of Indicators of CI Engine Running on Conventional Diesel and Chicken Fat Mixtures Changing EGR. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1411	2.6	5
29	Repeatability of High-Pressure Measurement in a Diesel Engine Test Bed. <i>Sensors</i> , 2020 , 20,	3.8	4
28	Alternative Carbonless Fuels for Internal Combustion Engines of Vehicles. <i>Lecture Notes in Networks and Systems</i> , 2020 , 1-49	0.5	4
27	Effect of Yttrium and Rhenium Ion Implantation on the Performance of Nitride Ceramic Cutting Tools. <i>Materials</i> , 2020 , 13,	3.5	4
26	Investigation of the influence of hail mechanical impact parameters on photovoltaic modules. <i>Engineering Failure Analysis</i> , 2021 , 124, 105309	3.2	4
25	Algorithm for Reducing Truck Noise on Via Baltica Transport Corridors in Lithuania. <i>Energies</i> , 2020 , 13, 6475	3.1	3
24	INVESTIGATION OF COMBUSTION, PERFORMANCE AND EMISSION CHARACTERISTICS OF SPARK IGNITION ENGINE FUELLED WITH BUTHANOL GASOLINE MIXTURE AND A HYDROGEN ENRICHED AIR. <i>Advances in Science and Technology Research Journal</i> , 2016 , 10, 102-108	2.1	3
23	The Research on Competitiveness of Road Transport Enterprises: Lithuanian Case. <i>Transport and Telecommunication</i> , 2012 , 13, 138-147	1.2	3
22	The Analysis of Vibration Signals of Critical Points of the Bus Body Frame. <i>Periodica Polytechnica Transportation Engineering</i> , 2020 , 48, 296-304	1.3	3

21	Investigation of Drivers' Comfort Factors Influencing Urban Traffic Safety. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2020 , 159-165	0.3	3
20	Force and Sound Pressure Sensors Used for Modeling the Impact of the Firearm with a Suppressor. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 961	2.6	2
19	Challenges for Intermodal Transport in the Twenty-First Century: Reduction of Environmental Impact Due the Integration of Green Transport Modes. <i>Studies in Systems, Decision and Control</i> , 2022 , 307-354	0.8	2
18	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	2
17	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	2.7	2
16	Investigation of Roller-Tape Contact Pair Used in Precision Mechatronic System. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4041	2.6	1
15	Reviewing the Concept of Acoustic Agglomeration in Reducing the Particulate Matter Emissions. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2022 , 303-311	0.3	1
14	Improvement of Fuel Economy and Starting Properties of the Diesel Engine by Heating the Air at the Inlet. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2020 , 494-503	0.3	1
13	Novel Microwave-Assisted Method of Y ₂ Ti ₂ O ₇ Powder Synthesis. <i>Materials</i> , 2020 , 13,	3.5	1
12	Application of Acoustic Agglomeration Technology to Improve the Removal of Submicron Particles from Vehicle Exhaust. <i>Symmetry</i> , 2021 , 13, 1200	2.7	1
11	Comparison of Research Data of Diesel/Biodiesel/Isopropanol and Diesel/Rapeseed Oil/Isopropanol Fuel Blends Mixed at Different Proportions on a CI Engine. <i>Sustainability</i> , 2021 , 13, 10059	3.6	1
10	Carbonaceous aerosol source apportionment and assessment of transport-related pollution. <i>Atmospheric Environment</i> , 2022 , 119043	5.3	1
9	Possibilities and Generated Emissions of Using Wood and Lignin Biofuel for Heat Production. <i>Energies</i> , 2021 , 14, 8471	3.1	1
8	The Numerical Modeling of Gas Movement in a Single Inlet New Generation Multi-Channel Cyclone Separator. <i>Energies</i> , 2021 , 14, 8092	3.1	1
7	Impact of Simulated Biogas Compositions (CH ₄ and CO ₂) on Vibration, Sound Pressure and Performance of a Spark Ignition Engine. <i>Energies</i> , 2021 , 14, 7037	3.1	0
6	Physicochemical Properties of Diethyl Ether/Sunflower Oil Blends and Their Impact on Diesel Engine Emissions. <i>Energies</i> , 2022 , 15, 4133	3.1	0
5	THREE COMPONENT FUEL MIXTURE CONTAINING DIESEL/BIODIESEL/PROPANOL APPLICATION IN THE DIESEL ENGINE. <i>Science: Future of Lithuania</i> , 2010 , 2, 77-80	0	
4	APPLICATION OF BROWN GAS FOR A DIESEL ENGINE RUNNING ON RAPESEED OIL / BRAUNO DUJŲ PANAUDOJIMAS ALIEJUMI VEIKIANĖME DYZELINIAME VARIKLYJE. <i>Science: Future of Lithuania</i> , 2012 , 4, 376-380	0	

- 3 Influence of the Addition of Alcohol Compounds to Gasoline on the Performance of a Modern Spark Ignition Engine. *Lecture Notes in Intelligent Transportation and Infrastructure*, **2022**, 319-328 0.3
- 2 Investigation of X and Y Configuration Modal and Dynamic Response to Velocity Excitation of the Nanometer Resolution Linear Servo Motor Stage with Quasi-Industrial Guiding System in Quasi-Stable State. *Mathematics*, **2021**, 9, 951 2.3
- 1 Using Hydrogen Reactors to Improve the Diesel Engine Performance. *Energies*, **2022**, 15, 3024 3.1