

Jonas Matijosius

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/481750/publications.pdf>

Version: 2024-02-01

59
papers

730
citations

567144

15
h-index

610775

24
g-index

63
all docs

63
docs citations

63
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	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. Energy, 2018, 152, 640-651.	4.5	72
2	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
3	Efficient hydrotreated vegetable oil combustion under partially premixed conditions with heavy exhaust gas recirculation. Fuel, 2020, 268, 117350.	3.4	43
4	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
5	Internal Combustion Engine Analysis of Energy Ecological Parameters by Neutrosophic MULTIMOORA and SWARA Methods. Energies, 2019, 12, 1415.	1.6	37
6	Comparative Study on the Energetic and Ecologic Parameters of Dual Fuels (Diesel+NG and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.3	31
7	Experimental investigation of acoustic agglomeration of diesel engine exhaust particles using new created acoustic chamber. Powder Technology, 2020, 360, 421-429.	2.1	24
8	EFFECT OF CNG IN A FUEL DOSE ON THE COMBUSTION PROCESS OF A COMPRESSION-IGNITION ENGINE. Transport, 2015, 30, 162-171.	0.6	23
9	Improving Fuel Economy of Spark Ignition Engines Applying the Combined Method of Power Regulation. Energies, 2020, 13, 1076.	1.6	22
10	Efficient and Ecological Indicators of CI Engine Fuelled with Different Diesel and LPG Mixtures. Procedia Engineering, 2017, 187, 504-512.	1.2	21
11	COMPARATIVE INVESTIGATIONS INTO ENERGETIC AND ECOLOGICAL PARAMETERS OF CAMELINA-BASED BIOFUEL USED IN THE 1Z DIESEL ENGINE. Transport, 2012, 27, 171-177.	0.6	20
12	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
13	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
14	RESEARCH INTO THE QUALITY OF FUELS AND THEIR BIOCOMPONENTS. Transport, 2009, 24, 212-217.	0.6	18
15	The exploitation and environmental characteristics of diesel fuel containing rapeseed butyl esters. Transport, 2013, 28, 158-165.	0.6	18
16	Operation of a Spark-ignition Engine on Mixtures of Petrol and N-butanol. Procedia Engineering, 2017, 187, 588-598.	1.2	17
17	The Assessment of Importance of the Factors that Predetermine the Quality of a Service of Transportation by Road Vehicles. Procedia Engineering, 2016, 134, 422-429.	1.2	16
18	Betterment of ecological parameters of a diesel engine using Brown's gas. Journal of Environmental Engineering and Landscape Management, 2013, 21, 133-140.	0.4	15

#	ARTICLE	IF	CITATIONS
19	ANALYSIS OF THE INFLUENCE OF FATIGUE ON PASSENGER TRANSPORT DRIVERS'™ PERFORMANCE CAPACITY. <i>Transport</i> , 2012, 27, 351-356.	0.6	13
20	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.	1.6	12
21	Research of the Energy Losses of Photovoltaic (PV) Modules after Hail Simulation Using a Newly-Created Testbed. <i>Energies</i> , 2019, 12, 4537.	1.6	11
22	Investigation of the influence of hail mechanical impact parameters on photovoltaic modules. <i>Engineering Failure Analysis</i> , 2021, 124, 105309.	1.8	11
23	Repeatability of High-Pressure Measurement in a Diesel Engine Test Bed. <i>Sensors</i> , 2020, 20, 3478.	2.1	10
24	The Influence of Different Loads on the Footbridge Dynamic Parameters. <i>Symmetry</i> , 2020, 12, 657.	1.1	10
25	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.	1.6	10
26	The Usage of Alternative Materials to Optimize Bus Frame Structure. <i>Symmetry</i> , 2020, 12, 1010.	1.1	9
27	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.	1.1	9
28	Carbonaceous aerosol source apportionment and assessment of transport-related pollution. <i>Atmospheric Environment</i> , 2022, 279, 119043.	1.9	9
29	Study of Indicators of CI Engine Running on Conventional Diesel and Chicken Fat Mixtures Changing EGR. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1411.	1.3	8
30	Analysis of Dynamic Parameters of a Railway Bridge. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2545.	1.3	7
31	Algorithm for Reducing Truck Noise on Via Baltica Transport Corridors in Lithuania. <i>Energies</i> , 2020, 13, 6475.	1.6	7
32	Effect of Yttrium and Rhenium Ion Implantation on the Performance of Nitride Ceramic Cutting Tools. <i>Materials</i> , 2020, 13, 4687.	1.3	6
33	Novel Microwave-Assisted Method of Y2Ti2O7 Powder Synthesis. <i>Materials</i> , 2020, 13, 5621.	1.3	6
34	Application of Acoustic Agglomeration Technology to Improve the Removal of Submicron Particles from Vehicle Exhaust. <i>Symmetry</i> , 2021, 13, 1200.	1.1	6
35	Alternative Carbonless Fuels for Internal Combustion Engines of Vehicles. <i>Lecture Notes in Networks and Systems</i> , 2020, , 1-49.	0.5	6
36	The Research on Competitiveness of Road Transport Enterprises: Lithuanian Case. <i>Transport and Telecommunication</i> , 2012, 13, 138-147.	0.7	6

#	ARTICLE	IF	CITATIONS
37	The Effect of Intake Valve Timing on Spark-Ignition Engine Performances Fueled by Natural Gas at Low Power. <i>Energies</i> , 2022, 15, 398.	1.6	6
38	Physicochemical Properties of Diethyl Ether–Sunflower Oil Blends and Their Impact on Diesel Engine Emissions. <i>Energies</i> , 2022, 15, 4133.	1.6	6
39	Comparative Study of Combustion, Performance and Emission Characteristics of Hydrotreated Vegetable Oil–Biobutanol Fuel Blends and Diesel Fuel on a CI Engine. <i>Sustainability</i> , 2022, 14, 7324.	1.6	6
40	Development and Experimental Research of Different Mechanical Designs of an Optical Linear Encoder’s Reading Head. <i>Sensors</i> , 2022, 22, 2977.	2.1	5
41	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.	1.1	4
42	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.	1.6	4
43	The Analysis of Vibration Signals of Critical Points of the Bus Body Frame. <i>Periodica Polytechnica Transportation Engineering</i> , 2020, 48, 296-304.	0.7	4
44	The Numerical Modeling of Gas Movement in a Single Inlet New Generation Multi-Channel Cyclone Separator. <i>Energies</i> , 2021, 14, 8092.	1.6	4
45	Force and Sound Pressure Sensors Used for Modeling the Impact of the Firearm with a Suppressor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 961.	1.3	3
46	Investigation of Roller-Tape Contact Pair Used in Precision Mechatronic System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4041.	1.3	3
47	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.	0.4	3
48	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.	1.6	3
49	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	3
50	Possibilities and Generated Emissions of Using Wood and Lignin Biofuel for Heat Production. <i>Energies</i> , 2021, 14, 8471.	1.6	3
51	Using Hydrogen Reactors to Improve the Diesel Engine Performance. <i>Energies</i> , 2022, 15, 3024.	1.6	2
52	Modeling of Two-Phase Flow Parameters of a Multi-Channel Cylindrical Cyclone. <i>Energies</i> , 2022, 15, 4690.	1.6	2
53	Factors influencing intermodal transport efficiency and sustainability. , 2022, 1, .		1
54	Development and Research of an Acoustic Chamber for Agglomeration of Ultrafine Particles. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
55	Development trends in belt transmissions with V-belt. MATEC Web of Conferences, 2022, 357, 01003.	0.1	1
56	THREE COMPONENT FUEL MIXTURE CONTAINING DIESEL“BIODIESEL“PROPANOL APPLICATION IN THE DIESEL ENGINE. Science: Future of Lithuania, 2010, 2, 77-80.	0.0	0
57	APPLICATION OF BROWN“MS GAS FOR A DIESEL ENGINE RUNNING ON RAPESEED OIL / BRAUNO DUJÅ ² PANAUDOJIMAS ALIEJUMI VEIKIANČIAME DYZELINIAME VARIKLYJE. Science: Future of Lithuania, 2012, 4, 376-380.	0.0	0
58	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.	1.1	0
59	Comparative Research On The Optical And Acoustic Psychomotor Reaction Of Professional Drivers. , 2013, , .		0