

Jacek Caban

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6006962/publications.pdf>

Version: 2024-02-01

69
papers

573
citations

623188

14
h-index

752256

20
g-index

69
all docs

69
docs citations

69
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Exhaust Emissions of Vehicles with the Spark Ignition Engine within Emission Control. <i>Procedia Engineering</i> , 2017, 187, 775-782.	1.2	31
2	Charging electric cars as a way to increase the use of energy produced from RES. <i>Open Engineering</i> , 2020, 10, 98-104.	0.7	30
3	The Future of Autonomous Vehicles in the Opinion of Automotive Market Users. <i>Energies</i> , 2021, 14, 4777.	1.6	29
4	Wear Resistance Improvement of Cemented Tungsten Carbide Deep-Hole Drills after Ion Implantation. <i>Materials</i> , 2021, 14, 239.	1.3	23
5	Maintenance research of a horizontal ribbon mixer. <i>Eksploracja I Niezawodnosc</i> , 2016, 19, 121-125.	1.1	22
6	Influence of Emergency Braking on Changes of the Axle Load of Vehicles Transporting Solid Bulk Substrates. <i>Procedia Engineering</i> , 2017, 187, 89-99.	1.2	21
7	Comparison of Selected Parameters of a Planetary Gearbox with Involute and Convex-Concave Teeth Flank Profiles. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1417.	1.3	21
8	THE RESEARCH ON AGEING OF GLYCOL-BASED BRAKE FLUIDS OF VEHICLES IN OPERATION. <i>Advances in Science and Technology Research Journal</i> , 2016, 10, 9-16.	0.4	19
9	Analysis of the market of electric tractors in agricultural production. <i>MATEC Web of Conferences</i> , 2018, 244, 03005.	0.1	18
10	RESEARCH OF COMPOSITE MATERIALS USED IN THE CONSTRUCTION OF VEHICLE BODYWORK. <i>Advances in Science and Technology Research Journal</i> , 2018, 12, 181-187.	0.4	18
11	About eco-driving, genesis, challenges and benefits, application possibilities. <i>Transportation Research Procedia</i> , 2019, 40, 1281-1288.	0.8	17
12	Modeling and Simulation of Particle Motion in the Operation Area of a Centrifugal Rotary Chopper Machine. <i>Sustainability</i> , 2019, 11, 4873.	1.6	17
13	Assessment of Social Acceptance for Autonomous Vehicles in Southeastern Poland. <i>Energies</i> , 2021, 14, 5778.	1.6	16
14	THE IMPACT OF CHANGING THE FUEL DOSE ON CHOSEN PARAMETERS OF THE DIESEL ENGINE START-UP PROCESS. <i>Transport Problems</i> , 2019, 14, 51-62.	0.3	15
15	VEHICLE COAST-DOWN METHOD AS A TOOL FOR CALCULATING TOTAL RESISTANCE FOR THE PURPOSES OF TYPE-APPROVAL FUEL CONSUMPTION. <i>Scientific Journal of Silesian University of Technology Series Transport</i> , 2018, 98, 161-172.	0.2	14
16	Analysis of the Electroconsolidation Process of Fine-Dispersed Structures Out of Hot Pressed Al ₂ O ₃ -WC Nanopowders. <i>Materials</i> , 2021, 14, 6503.	1.3	14
17	Safety of Maritime Transport in the Baltic Sea. <i>MATEC Web of Conferences</i> , 2017, 134, 00003.	0.1	12
18	Autonomous vans - the planning process of transport tasks. <i>Open Engineering</i> , 2020, 10, 18-25.	0.7	12

#	ARTICLE	IF	CITATIONS
19	Composition of exhaust gases of spark ignition engines under conditions of periodic inspection of vehicles in Slovakia. <i>Ad spalin z silnikÅ³w o zapÅ,onie iskrowym w warunkach okresowych badaÅ,, pojazdÅ³w na SÅ,owacji. Przemysl Chemiczny</i> , 2017, 1, 205-210.	0.0	12
20	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
21	The Planning Process of Transport Tasks for Autonomous Vansâ€”Case Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2993.	1.3	11
22	Repeatability of High-Pressure Measurement in a Diesel Engine Test Bed. <i>Sensors</i> , 2020, 20, 3478.	2.1	10
23	Tribological characteristics of polymer materials used for slide bearings. <i>Open Engineering</i> , 2021, 11, 624-629.	0.7	10
24	Outlier Identification of Concentrations of Pollutants in Environmental Data Using Modern Statistical Methods. <i>Polish Journal of Environmental Studies</i> , 2019, 29, 853-860.	0.6	10
25	Determination of the maximum permissible cargo length exceeding the articulated vehicle length in order to detect its critical rotation radius (February 2017). , 2018, , .		9
26	Bootstrap Analysis of the Production Processes Capability Assessment. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5360.	1.3	9
27	Market Electrification for BEV and PHEV in Relation to the Level of Vehicle Autonomy. <i>Energies</i> , 2022, 15, 3120.	1.6	8
28	Development Trends of Electric Vehicles in the Context of Road Passenger and Freight Transport. , 2020, , .		7
29	The Analysis of Pneumatic Wheel Rim Deformation While Hitting an Obstacle. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6371.	1.3	7
30	Effect of Yttrium and Rhenium Ion Implantation on the Performance of Nitride Ceramic Cutting Tools. <i>Materials</i> , 2020, 13, 4687.	1.3	6
31	Novel Microwave-Assisted Method of Y2Ti2O7 Powder Synthesis. <i>Materials</i> , 2020, 13, 5621.	1.3	6
32	Effect of addition of recast materials on characteristics of Ni-Cr-Mo alloys. <i>Current Issues in Pharmacy and Medical Sciences</i> , 2019, 32, 71-76.	0.1	6
33	Development of a City Bike System on the Example of the City of Lublin. <i>LOGI - Scientific Journal on Transport and Logistics</i> , 2019, 10, 11-22.	0.5	6
34	Charging Electric Vehicles from Photovoltaic Systemsâ€”Statistical Analyses of the Small Photovoltaic Farm Operation. <i>Energies</i> , 2022, 15, 2137.	1.6	6
35	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.	1.6	6
36	Construction design of apple sorter. <i>BIO Web of Conferences</i> , 2018, 10, 02025.	0.1	5

#	ARTICLE	IF	CITATIONS
37	Analysis of the safety systems damage on the example of a suburban transport enterprise. , 2018, , .		5
38	Road traffic accident injuries " Causes and biomaterial related treatment. , 2018, , .		5
39	The investigation of eco-driving possibilities in passenger car used in urban traffic. Transportation Research Procedia, 2021, 55, 212-219.	0.8	5
40	Studies on operational wear of glycol-based brake fluid Badania eksploatacyjnego zużycia płynu hamulcowego wytworzonego na bazie glikolu. Przemysł Chemiczny, 2015, 1, 176-180.	0.0	5
41	O zależności widm w podczerwieni zużytych olejów silnikowych od ich lepkości kinematycznej. Przemysł Chemiczny, 2018, 1, 51-56.	0.0	5
42	Development and Experimental Research of Different Mechanical Designs of an Optical Linear Encoder's Reading Head. Sensors, 2022, 22, 2977.	2.1	5
43	Piston kinematics of a combustion engine with unconventional crank mechanism. MATEC Web of Conferences, 2018, 244, 03006.	0.1	4
44	Analysis of the effect of the fuel dose on selected parameters of the diesel engine start-up process. Transportation Research Procedia, 2019, 40, 647-654.	0.8	4
45	The Influence of Quality Management System on the Operation of Periodical Technical Inspection Stations. Applied Sciences (Switzerland), 2021, 11, 4854.	1.3	4
46	The Urban Transport Strategy on the Example of the City Bike System in the City of Lublin in Relation to the Covid-19 Pandemic. LOGI - Scientific Journal on Transport and Logistics, 2022, 13, 1-12.	0.5	4
47	Reconstruction of road accident using video recording. MATEC Web of Conferences, 2019, 252, 05023.	0.1	3
48	The problem of proper cargo securing in road transport " case study. Transportation Research Procedia, 2019, 40, 1510-1517.	0.8	3
49	The planning process of transport tasks for autonomous vans. Open Engineering, 2021, 11, 871-879.	0.7	3
50	Emission of Selected Exhaust Gas Components and Fuel Consumption in Different Driving Cycles. Communications - Scientific Letters of the University of Zilina, 2021, 23, B265-B277.	0.3	3
51	Technical-economic aspects of CNG gas usage in buses of urban communication. , 2018, , .		3
52	Improvement of Harvesting Methods of Perennial Seed Grass. Agricultural Engineering, 2016, 20, 167-173.	0.2	3
53	Aviation market in Poland in 2000-2017. MATEC Web of Conferences, 2018, 236, 02002.	0.1	2
54	Possibilities of Energy Harvesting from the Suspension System of the Internal Combustion Engine in a Vehicle. Communications - Scientific Letters of the University of Zilina, 2021, 23, B106-B116.	0.3	2

#	ARTICLE	IF	CITATIONS
55	Organization of Urban Transport Organization "Presentation of Bicycle System and Bicycle Infrastructure in Lublin. LOGI - Scientific Journal on Transport and Logistics, 2021, 12, 36-45.	0.5	2
56	Road Traffic Safety in Poland, Slovakia and Czech Republic "Statistic Analysis. , 2020, , .		2
57	The Functioning of the Regional Airport on the Example of Lublin Airport. MATEC Web of Conferences, 2018, 236, 02003.	0.1	1
58	RESEARCH ON THE USE OF ECO-DRIVING IN CITY TRAFFIC. Perner's Contacts, 2021, 16, .	0.3	1
59	Badania przetopionego stopu na osnowie niklu w symulowanym Årodowisku chemicznym. Przemysl Chemiczny, 2017, 1, 143-146.	0.0	1
60	Development of courier services in Poland. Transport and Communications, 2015, 3, 22-25.	0.1	1
61	Analiza wÅ, aÅciwoÅci chemicznych i energetycznych wierzby wiciowej do przemysÅowego spalania. Przemysl Chemiczny, 2018, 1, 46-50.	0.0	1
62	The Use of Refuse Derived Fuel (RDF) in the Power Industry. Agricultural Engineering, 2020, 24, 83-90.	0.2	1
63	Tracing of the dangerous goods and its tracking in the intermodal transport mode - the case study. , 2020, , .		1
64	Technologies of using energy harvesting systems in motor vehicles - energy from exhaust system. , 2021, , .		0
65	Preliminary studies of fuel briquettes from wood waste. , 2021, , .		0
66	Technologies of using energy harvesting systems in motor vehicles - energy from suspension system. , 2021, , .		0
67	Municipal Transport - Infrastructure. Transport and Communications, 2016, 4, 18-22.	0.1	0
68	The role of human element in aviation safety. Transport and Communications, 2016, 4, 17-21.	0.1	0
69	OVERVIEW OF SELECTED HYDRAULIC DEVICES SUPPORTING ROAD RESCUE OPERATIONS. Journal of Science of the Gen Tadeusz Kosciuszko Military Academy of Land Forces, 2017, 185, 81-89.	0.1	0