

# 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	Charging Electric Vehicles from Photovoltaic Systems – Statistical Analyses of the Small Photovoltaic Farm Operation. <i>Energies</i> , 2022, 15, 2137.	1.6	6
2	The Planning Process of Transport Tasks for Autonomous Vans – Case Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2993.	1.3	11
3	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
4	The Urban Transport Strategy on the Example of the City Bike System in the City of Lublin in Relation to the Covid-19 Pandemic. <i>LOGI - Scientific Journal on Transport and Logistics</i> , 2022, 13, 1-12.	0.5	4
5	Market Electrification for BEV and PHEV in Relation to the Level of Vehicle Autonomy. <i>Energies</i> , 2022, 15, 3120.	1.6	8
6	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
7	The Analysis of Pneumatic Wheel Rim Deformation While Hitting an Obstacle. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6371.	1.3	7
8	The planning process of transport tasks for autonomous vans. <i>Open Engineering</i> , 2021, 11, 871-879.	0.7	3
9	Tribological characteristics of polymer materials used for slide bearings. <i>Open Engineering</i> , 2021, 11, 624-629.	0.7	10
10	Possibilities of Energy Harvesting from the Suspension System of the Internal Combustion Engine in a Vehicle. <i>Communications - Scientific Letters of the University of Zilina</i> , 2021, 23, B106-B116.	0.3	2
11	The Influence of Quality Management System on the Operation of Periodical Technical Inspection Stations. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4854.	1.3	4
12	Technologies of using energy harvesting systems in motor vehicles - energy from exhaust system. , 2021, , .		0
13	Preliminary studies of fuel briquettes from wood waste. , 2021, , .		0
14	Technologies of using energy harvesting systems in motor vehicles - energy from suspension system. , 2021, , .		0
15	Organization of Urban Transport Organization – Presentation of Bicycle System and Bicycle Infrastructure in Lublin. <i>LOGI - Scientific Journal on Transport and Logistics</i> , 2021, 12, 36-45.	0.5	2
16	RESEARCH ON THE USE OF ECO-DRIVING IN CITY TRAFFIC. <i>Perner’s Contacts</i> , 2021, 16, .	0.3	1
17	The Future of Autonomous Vehicles in the Opinion of Automotive Market Users. <i>Energies</i> , 2021, 14, 4777.	1.6	29
18	Assessment of Social Acceptance for Autonomous Vehicles in Southeastern Poland. <i>Energies</i> , 2021, 14, 5778.	1.6	16

#	ARTICLE	IF	CITATIONS
19	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
20	The investigation of eco-driving possibilities in passenger car used in urban traffic. Transportation Research Procedia, 2021, 55, 212-219.	0.8	5
21	Wear Resistance Improvement of Cemented Tungsten Carbide Deep-Hole Drills after Ion Implantation. Materials, 2021, 14, 239.	1.3	23
22	Analysis of the Electroconsolidation Process of Fine-Dispersed Structures Out of Hot Pressed Al <sub>2</sub> O <sub>3</sub> -WC Nanopowders. Materials, 2021, 14, 6503.	1.3	14
23	Effect of Yttrium and Rhenium Ion Implantation on the Performance of Nitride Ceramic Cutting Tools. Materials, 2020, 13, 4687.	1.3	6
24	Novel Microwave-Assisted Method of Y <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> Powder Synthesis. Materials, 2020, 13, 5621.	1.3	6
25	Comparison of Selected Parameters of a Planetary Gearbox with Involute and Convex-Concave Teeth Flank Profiles. Applied Sciences (Switzerland), 2020, 10, 1417.	1.3	21
26	Repeatability of High-Pressure Measurement in a Diesel Engine Test Bed. Sensors, 2020, 20, 3478.	2.1	10
27	Development Trends of Electric Vehicles in the Context of Road Passenger and Freight Transport. , 2020, , .		7
28	Autonomous vans - the planning process of transport tasks. Open Engineering, 2020, 10, 18-25.	0.7	12
29	Charging electric cars as a way to increase the use of energy produced from RES. Open Engineering, 2020, 10, 98-104.	0.7	30
30	The Use of Refuse Derived Fuel (RDF) in the Power Industry. Agricultural Engineering, 2020, 24, 83-90.	0.2	1
31	Tracing of the dangerous goods and its tracking in the intermodal transport mode - the case study. , 2020, , .		1
32	Road Traffic Safety in Poland, Slovakia and Czech Republic - Statistic Analysis. , 2020, , .		2
33	Reconstruction of road accident using video recording. MATEC Web of Conferences, 2019, 252, 05023.	0.1	3
34	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
35	About eco-driving, genesis, challenges and benefits, application possibilities. Transportation Research Procedia, 2019, 40, 1281-1288.	0.8	17
36	The problem of proper cargo securing in road transport - case study. Transportation Research Procedia, 2019, 40, 1510-1517.	0.8	3

#	ARTICLE	IF	CITATIONS
37	Modeling and Simulation of Particle Motion in the Operation Area of a Centrifugal Rotary Chopper Machine. Sustainability, 2019, 11, 4873.	1.6	17
38	Research of the Energy Losses of Photovoltaic (PV) Modules after Hail Simulation Using a Newly-Created Testbed. Energies, 2019, 12, 4537.	1.6	11
39	Bootstrap Analysis of the Production Processes Capability Assessment. Applied Sciences (Switzerland), 2019, 9, 5360.	1.3	9
40	Outlier Identification of Concentrations of Pollutants in Environmental Data Using Modern Statistical Methods. Polish Journal of Environmental Studies, 2019, 29, 853-860.	0.6	10
41	THE IMPACT OF CHANGING THE FUEL DOSE ON CHOSEN PARAMETERS OF THE DIESEL ENGINE START-UP PROCESS. Transport Problems, 2019, 14, 51-62.	0.3	15
42	Effect of addition of recast materials on characteristics of Ni-Cr-Mo alloys. Current Issues in Pharmacy and Medical Sciences, 2019, 32, 71-76.	0.1	6
43	Development of a City Bike System on the Example of the City of Lublin. LOGI - Scientific Journal on Transport and Logistics, 2019, 10, 11-22.	0.5	6
44	Aviation market in Poland in 2000-2017. MATEC Web of Conferences, 2018, 236, 02002.	0.1	2
45	Piston kinematics of a combustion engine with unconventional crank mechanism. MATEC Web of Conferences, 2018, 244, 03006.	0.1	4
46	Analysis of the market of electric tractors in agricultural production. MATEC Web of Conferences, 2018, 244, 03005.	0.1	18
47	Construction design of apple sorter. BIO Web of Conferences, 2018, 10, 02025.	0.1	5
48	The Functioning of the Regional Airport on the Example of Lublin Airport. MATEC Web of Conferences, 2018, 236, 02003.	0.1	1
49	Analysis of the safety systems damage on the example of a suburban transport enterprise. , 2018, , .		5
50	Road traffic accident injuries " Causes and biomaterial related treatment. , 2018, , .		5
51	Determination of the maximum permissible cargo length exceeding the articulated vehicle length in order to detect its critical rotation radius (February 2017). , 2018, , .		9
52	RESEARCH OF COMPOSITE MATERIALS USED IN THE CONSTRUCTION OF VEHICLE BODYWORK. Advances in Science and Technology Research Journal, 2018, 12, 181-187.	0.4	18
53	O zaleÅ¼ności widm w podczerwieni zuÅ¼ytych olejÅ³w silnikowych od ich lepkoÅ³ci kinematycznej. Przemysl Chemiczny, 2018, 1, 51-56.	0.0	5
54	VEHICLE COAST-DOWN METHOD AS A TOOL FOR CALCULATING TOTAL RESISTANCE FOR THE PURPOSES OF TYPE-APPROVAL FUEL CONSUMPTION. Scientific Journal of Silesian University of Technology Series Transport, 2018, 98, 161-172.	0.2	14

#	ARTICLE	IF	CITATIONS
55	Technical-economic aspects of CNG gas usage in buses of urban communication. , 2018, , .		3
56	Analiza wÅ,ciwoci chemicznych i energetycznych wierzby wiciowej do przemysÅ,owego spalania. Przemysl Chemiczny, 2018, 1, 46-50.	0.0	1
57	Investigation of Exhaust Emissions of Vehicles with the Spark Ignition Engine within Emission Control. Procedia Engineering, 2017, 187, 775-782.	1.2	31
58	Influence of Emergency Braking on Changes of the Axle Load of Vehicles Transporting Solid Bulk Substrates. Procedia Engineering, 2017, 187, 89-99.	1.2	21
59	Safety of Maritime Transport in the Baltic Sea. MATEC Web of Conferences, 2017, 134, 00003.	0.1	12
60	Composition of exhaust gases of spark ignition engines under conditions of periodic inspection of vehicles in Slovakia SkÅ,ad spalin z silnikÅ³w o zapÅ,onie iskrowym w warunkach okresowych badaÅ,, pojazdÅ³w na SÅ,owacji. Przemysl Chemiczny, 2017, 1, 205-210.	0.0	12
61	Badania przetopionego stopu na osnowie niklu w symulowanym Å,rodowisku chemicznym. Przemysl Chemiczny, 2017, 1, 143-146.	0.0	1
62	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
63	THE RESEARCH ON AGEING OF GLYCOL-BASED BRAKE FLUIDS OF VEHICLES IN OPERATION. Advances in Science and Technology Research Journal, 2016, 10, 9-16.	0.4	19
64	Maintenance research of a horizontal ribbon mixer. Eksploatacja I Niezawodnosc, 2016, 19, 121-125.	1.1	22
65	Municipal Transport - Infrastructure. Transport and Communications, 2016, 4, 18-22.	0.1	0
66	The role of human element in aviation safety. Transport and Communications, 2016, 4, 17-21.	0.1	0
67	Improvement of Harvesting Methods of Perennial Seed Grass. Agricultural Engineering, 2016, 20, 167-173.	0.2	3
68	Studies on operational wear of glycol-based brake fluid Badania eksploatacyjnego zuÅ¼ycia pÅ,ynu hamulcowego wytworzonego na bazie glikolu. Przemysl Chemiczny, 2015, 1, 176-180.	0.0	5
69	Development of courier services in Poland. Transport and Communications, 2015, 3, 22-25.	0.1	1