

Karol Tucki

List of Publications by Citations

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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.

42
papers

382
citations

11
h-index

18
g-index

50
ext. papers

476
ext. citations

2.9
avg, IF

4.33
L-index

#	Paper	IF	Citations
42	Production and use of biofuels for transport in Poland and Brazil – The case of bioethanol. <i>Fuel</i> , 2019 , 241, 989-996	7.1	55
41	The Development of Electromobility in Poland and EU States as a Tool for Management of CO2 Emissions. <i>Energies</i> , 2019 , 12, 2942	3.1	47
40	Capacity Market Implementation in Poland: Analysis of a Survey on Consequences for the Electricity Market and for Energy Management. <i>Energies</i> , 2019 , 12, 839	3.1	28
39	Simulation of the Operation of a Spark Ignition Engine Fueled with Various Biofuels and Its Contribution to Technology Management. <i>Sustainability</i> , 2019 , 11, 2799	3.6	23
38	Selected Aspects of Biofuels Market and the Electromobility Development in Poland: Current Trends and Forecasting Changes. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 254	2.6	18
37	Perspectives for Mitigation of CO2 Emission due to Development of Electromobility in Several Countries. <i>Energies</i> , 2020 , 13, 4127	3.1	17
36	Thermodynamic Cycle Concepts for High-Efficiency Power Plans. Part A: Public Power Plants 60+. <i>Sustainability</i> , 2019 , 11, 554	3.6	16
35	Thermodynamic Cycle Concepts for High-Efficiency Power Plants. Part B: Prosumer and Distributed Power Industry. <i>Sustainability</i> , 2019 , 11, 2647	3.6	15
34	Gas Turbine Cycle with External Combustion Chamber for Prosumer and Distributed Energy Systems. <i>Energies</i> , 2019 , 12, 3501	3.1	15
33	Toxicity of Exhaust Fumes (CO, NOx) of the Compression-Ignition (Diesel) Engine with the Use of Simulation. <i>Sustainability</i> , 2019 , 11, 2188	3.6	14
32	The Effects of Pressure and Temperature on the Process of Auto-Ignition and Combustion of Rape Oil and Its Mixtures. <i>Sustainability</i> , 2019 , 11, 3451	3.6	12
31	Influence of Different Biofuels on the Efficiency of Gas Turbine Cycles for Prosumer and Distributed Energy Power Plants. <i>Energies</i> , 2019 , 12, 3173	3.1	11
30	The Impact of Fuel Type on the Output Parameters of a New Biofuel Burner. <i>Energies</i> , 2019 , 12, 1383	3.1	10
29	Analysis of Diagnostic Methods and Energy of Production Systems Drives. <i>Processes</i> , 2021 , 9, 843	2.9	9
28	Evaluation of the Brake – Performance Dependence Upon Technical Condition of Car Tires as a Factor of Road Safety Management. <i>Energies</i> , 2020 , 13, 9	3.1	8
27	Low Emissions Resulting from Combustion of Forest Biomass in a Small Scale Heating Device. <i>Energies</i> , 2020 , 13, 5495	3.1	7
26	Thermodynamic Fundamentals for Fuel Production Management. <i>Sustainability</i> , 2019 , 11, 4449	3.6	7

25	Turbine stage design aided by artificial intelligence methods. <i>Expert Systems With Applications</i> , 2009 , 36, 11536-11542	7.8	7
24	Application of Artificial Neural Networks in Investigations of Steam Turbine Cascades. <i>Journal of Turbomachinery</i> , 2010 , 132,	1.8	7
23	Stan i perspektywy oraz uwarunkowania prawne funkcjonowania sektorów biopaliw transportowych w Polsce. <i>Roczniki Naukowe Ekonomii Rolnictwa I Rozwoju Obszarów Wiejskich</i> , 2017 , 104, 39-55	0.1	7
22	Estimation of Carbon Dioxide Emissions from a Diesel Engine Powered by Lignocellulose Derived Fuel for Better Management of Fuel Production. <i>Energies</i> , 2020 , 13, 561	3.1	6
21	Implementation of Lean Management as a Tool for Decrease of Energy Consumption and CO2 Emissions in the Fast Food Restaurant. <i>Energies</i> , 2020 , 13, 1184	3.1	6
20	An Evaluation of the Quality and Microstructure of Biodegradable Composites as Contribution towards Better Management of Food Industry Wastes. <i>Sustainability</i> , 2019 , 11, 1504	3.6	5
19	Technology Management Leading to a Smart System Solution Assuring a Decrease of Energy Consumption in Recreational Facilities. <i>Energies</i> , 2020 , 13, 3425	3.1	5
18	Approach to Automated Visual Inspection of Objects Based on Artificial Intelligence. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 864	2.6	4
17	Modeling of Biofuel's Emissivity for Fuel Choice Management. <i>Sustainability</i> , 2019 , 11, 6842	3.6	4
16	A Computer Tool for Modelling CO2 Emissions in Driving Tests for Vehicles with Diesel Engines. <i>Energies</i> , 2021 , 14, 266	3.1	3
15	Analysis of the Possibility of Fulfilling the Paris Agreement by the Visegrad Group Countries. <i>Sustainability</i> , 2021 , 13, 8826	3.6	3
14	Computer Simulation as a Tool for Managing the Technical Development of Methods for Diagnosing the Technical Condition of a Vehicle. <i>Energies</i> , 2020 , 13, 2869	3.1	2
13	The CFD Analysis of the Combustion Chamber in Common Rail Engines. <i>MATEC Web of Conferences</i> , 2019 , 252, 04001	0.3	1
12	Simulation of diesel engine emissions on the example of Fiat Panda in the NEDC test. <i>E3S Web of Conferences</i> , 2017 , 19, 02003	0.5	1
11	A Computer Tool Using OpenModelica for Modelling CO2 Emissions in Driving Tests. <i>Energies</i> , 2022 , 15, 995	3.1	1
10	INFLUENCE OF THE MANUFACTURING TECHNOLOGY PROCESS ON PROPERTIES OF RAPESEED OIL		1
9	Processing 3D Data from Laser Sensor into Visual Content Using Pattern Recognition 2021 ,		1
8	Total Productive Maintenance Approach to an Increase of the Energy Efficiency of a Hotel Facility and Mitigation of Water Consumption. <i>Energies</i> , 2021 , 14, 1706	3.1	1

7	A Computer Tool for Modelling CO2 Emissions in Driving Cycles for Spark Ignition Engines Powered by Biofuels. <i>Energies</i> , 2021 , 14, 1400	3.1	1
6	Impact of key factors on expected development of onshore wind energy sector in Poland and development scenarios. <i>E3S Web of Conferences</i> , 2018 , 70, 01017	0.5	1
5	Potential Routes to the Sustainability of the Food Packaging Industry. <i>Sustainability</i> , 2022 , 14, 3924	3.6	1
4	Modelling of CO2 emissions in driving tests on the example of a diesel engine powered by biofuels 2021 , 23, 744-763		0
3	The simulation model of the grapple loader operation. <i>MATEC Web of Conferences</i> , 2019 , 252, 05021	0.3	
2	Simulation of fuel demand for wood-gas in combustion engine. <i>E3S Web of Conferences</i> , 2017 , 19, 01018	0.5	
1	Analysis of the operation characteristics of a selected wind power plant. <i>E3S Web of Conferences</i> , 2018 , 70, 01016	0.5	