

# Karol Tucki

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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	Approach to Automated Visual Inspection of Objects Based on Artificial Intelligence. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 864	2.6	4
41	A Computer Tool Using OpenModelica for Modelling CO2 Emissions in Driving Tests. <i>Energies</i> , <b>2022</b> , 15, 995	3.1	1
40	Potential Routes to the Sustainability of the Food Packaging Industry. <i>Sustainability</i> , <b>2022</b> , 14, 3924	3.6	1
39	Modelling of CO2 emissions in driving tests on the example of a diesel engine powered by biofuels <b>2021</b> , 23, 744-763		0
38	Processing 3D Data from Laser Sensor into Visual Content Using Pattern Recognition <b>2021</b> ,		1
37	Analysis of Diagnostic Methods and Energy of Production Systems Drives. <i>Processes</i> , <b>2021</b> , 9, 843	2.9	9
36	A Computer Tool for Modelling CO2 Emissions in Driving Tests for Vehicles with Diesel Engines. <i>Energies</i> , <b>2021</b> , 14, 266	3.1	3
35	Total Productive Maintenance Approach to an Increase of the Energy Efficiency of a Hotel Facility and Mitigation of Water Consumption. <i>Energies</i> , <b>2021</b> , 14, 1706	3.1	1
34	A Computer Tool for Modelling CO2 Emissions in Driving Cycles for Spark Ignition Engines Powered by Biofuels. <i>Energies</i> , <b>2021</b> , 14, 1400	3.1	1
33	Analysis of the Possibility of Fulfilling the Paris Agreement by the Visegrad Group Countries. <i>Sustainability</i> , <b>2021</b> , 13, 8826	3.6	3
32	Low Emissions Resulting from Combustion of Forest Biomass in a Small Scale Heating Device. <i>Energies</i> , <b>2020</b> , 13, 5495	3.1	7
31	Computer Simulation as a Tool for Managing the Technical Development of Methods for Diagnosing the Technical Condition of a Vehicle. <i>Energies</i> , <b>2020</b> , 13, 2869	3.1	2
30	Estimation of Carbon Dioxide Emissions from a Diesel Engine Powered by Lignocellulose Derived Fuel for Better Management of Fuel Production. <i>Energies</i> , <b>2020</b> , 13, 561	3.1	6
29	Implementation of Lean Management as a Tool for Decrease of Energy Consumption and CO2 Emissions in the Fast Food Restaurant. <i>Energies</i> , <b>2020</b> , 13, 1184	3.1	6
28	Evaluation of the Brake Performance Dependence Upon Technical Condition of Car Tires as a Factor of Road Safety Management. <i>Energies</i> , <b>2020</b> , 13, 9	3.1	8
27	Technology Management Leading to a Smart System Solution Assuring a Decrease of Energy Consumption in Recreational Facilities. <i>Energies</i> , <b>2020</b> , 13, 3425	3.1	5
26	Perspectives for Mitigation of CO2 Emission due to Development of Electromobility in Several Countries. <i>Energies</i> , <b>2020</b> , 13, 4127	3.1	17

25	The simulation model of the grapple loader operation. <i>MATEC Web of Conferences</i> , <b>2019</b> , 252, 05021	0.3	
24	The Development of Electromobility in Poland and EU States as a Tool for Management of CO2 Emissions. <i>Energies</i> , <b>2019</b> , 12, 2942	3.1	47
23	Thermodynamic Cycle Concepts for High-Efficiency Power Plans. Part A: Public Power Plants 60+. <i>Sustainability</i> , <b>2019</b> , 11, 554	3.6	16
22	Simulation of the Operation of a Spark Ignition Engine Fueled with Various Biofuels and Its Contribution to Technology Management. <i>Sustainability</i> , <b>2019</b> , 11, 2799	3.6	23
21	Capacity Market Implementation in Poland: Analysis of a Survey on Consequences for the Electricity Market and for Energy Management. <i>Energies</i> , <b>2019</b> , 12, 839	3.1	28
20	The Impact of Fuel Type on the Output Parameters of a New Biofuel Burner. <i>Energies</i> , <b>2019</b> , 12, 1383	3.1	10
19	Thermodynamic Cycle Concepts for High-Efficiency Power Plants. Part B: Prosumer and Distributed Power Industry. <i>Sustainability</i> , <b>2019</b> , 11, 2647	3.6	15
18	An Evaluation of the Quality and Microstructure of Biodegradable Composites as Contribution towards Better Management of Food Industry Wastes. <i>Sustainability</i> , <b>2019</b> , 11, 1504	3.6	5
17	Toxicity of Exhaust Fumes (CO, NOx) of the Compression-Ignition (Diesel) Engine with the Use of Simulation. <i>Sustainability</i> , <b>2019</b> , 11, 2188	3.6	14
16	The CFD Analysis of the Combustion Chamber in Common Rail Engines. <i>MATEC Web of Conferences</i> , <b>2019</b> , 252, 04001	0.3	1
15	Thermodynamic Fundamentals for Fuel Production Management. <i>Sustainability</i> , <b>2019</b> , 11, 4449	3.6	7
14	The Effects of Pressure and Temperature on the Process of Auto-Ignition and Combustion of Rape Oil and Its Mixtures. <i>Sustainability</i> , <b>2019</b> , 11, 3451	3.6	12
13	Influence of Different Biofuels on the Efficiency of Gas Turbine Cycles for Prosumer and Distributed Energy Power Plants. <i>Energies</i> , <b>2019</b> , 12, 3173	3.1	11
12	Gas Turbine Cycle with External Combustion Chamber for Prosumer and Distributed Energy Systems. <i>Energies</i> , <b>2019</b> , 12, 3501	3.1	15
11	Modeling of Biofuel Emissivity for Fuel Choice Management. <i>Sustainability</i> , <b>2019</b> , 11, 6842	3.6	4
10	Selected Aspects of Biofuels Market and the Electromobility Development in Poland: Current Trends and Forecasting Changes. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 254	2.6	18
9	Production and use of biofuels for transport in Poland and Brazil – The case of bioethanol. <i>Fuel</i> , <b>2019</b> , 241, 989-996	7.1	55
8	Analysis of the operation characteristics of a selected wind power plant. <i>E3S Web of Conferences</i> , <b>2018</b> , 70, 01016	0.5	

7	Impact of key factors on expected development of onshore wind energy sector in Poland and development scenarios. <i>E3S Web of Conferences</i> , <b>2018</b> , 70, 01017	0.5	1
6	Simulation of diesel engine emissions on the example of Fiat Panda in the NEDC test. <i>E3S Web of Conferences</i> , <b>2017</b> , 19, 02003	0.5	1
5	Simulation of fuel demand for wood-gas in combustion engine. <i>E3S Web of Conferences</i> , <b>2017</b> , 19, 01018	0.5	
4	Stan i perspektywy oraz uwarunkowania prawne funkcjonowania sektorów biopaliw transportowych w Polsce. <i>Roczniki Naukowe Ekonomii Rolnictwa I Rozwoju Obszarów Wiejskich</i> , <b>2017</b> , 104, 39-55	0.1	7
3	Application of Artificial Neural Networks in Investigations of Steam Turbine Cascades. <i>Journal of Turbomachinery</i> , <b>2010</b> , 132,	1.8	7
2	Turbine stage design aided by artificial intelligence methods. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 11536-11542	7.8	7
1	INFLUENCE OF THE MANUFACTURING TECHNOLOGY PROCESS ON PROPERTIES OF RAPESEED OIL		1