

Piotr Lijewski

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

606
citations

687363

13
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713466

21
g-index

57
all docs

57
docs citations

57
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuel consumption and exhaust emissions in the process of mechanized timber extraction and transport. <i>European Journal of Forest Research</i> , 2017, 136, 153-160.	2.5	62
2	Kinetics and Thermodynamics of Thermal Degradation of Different Starches and Estimation the OH Group and H ₂ O Content on the Surface by TG/DTG-DTA. <i>Polymers</i> , 2020, 12, 357.	4.5	53
3	Impact of Compressed Natural Gas (CNG) Fuel Systems in Small Engine Wood Chippers on Exhaust Emissions and Fuel Consumption. <i>Energies</i> , 2020, 13, 6709.	3.1	37
4	Actual Emissions from Urban Buses Powered with Diesel and Gas Engines. <i>Transportation Research Procedia</i> , 2016, 14, 3070-3078.	1.5	31
5	Exhaust emissions generated under actual operating conditions from a hybrid vehicle and an electric one fitted with a range extender. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 78, 102183.	6.8	31
6	Analysis of an Increase in the Efficiency of a Spark Ignition Engine Through the Application of an Automotive Thermoelectric Generator. <i>Journal of Electronic Materials</i> , 2016, 45, 4028-4037.	2.2	30
7	Influence of Innovative Woodchipper Speed Control Systems on Exhaust Gas Emissions and Fuel Consumption in Urban Areas. <i>Energies</i> , 2020, 13, 3330.	3.1	28
8	Comparison of Waste Heat Recovery from the Exhaust of a Spark Ignition and a Diesel Engine. <i>Journal of Electronic Materials</i> , 2010, 39, 2034-2038.	2.2	25
9	Influence of the Use of Liquefied Petroleum Gas (LPG) Systems in Woodchippers Powered by Small Engines on Exhaust Emissions and Operating Costs. <i>Energies</i> , 2020, 13, 5773.	3.1	24
10	The role of real power output from farm tractor engines in determining their environmental performance in actual operating conditions. <i>Computers and Electronics in Agriculture</i> , 2020, 173, 105405.	7.7	24
11	Exhaust emissions from vehicles in real traffic conditions in the Poznan agglomeration. <i>WIT Transactions on Ecology and the Environment</i> , 2013, , .	0.0	22
12	Exhaust Emission Tests from Agricultural Machinery under Real Operating Conditions. , 0, , .		20
13	The Analysis of Exhaust Gas Thermal Energy Recovery Through a TEG Generator in City Traffic Conditions Reproduced on a Dynamic Engine Test Bed. <i>Journal of Electronic Materials</i> , 2015, 44, 1704-1715.	2.2	20
14	The analysis of the PEMS measurements of the exhaust emissions from city buses using different research procedures. , 2012, , .		17
15	Exhaust emissions from small engines in handheld devices. <i>MATEC Web of Conferences</i> , 2017, 118, 00016.	0.2	17
16	The Comparison of the Emissions from Light Duty Vehicle in On-road and NEDC Tests. , 0, , .		14
17	Dynamic Test Bed Analysis of Gas Energy Balance for a Diesel Exhaust System Fit with a Thermoelectric Generator. <i>Journal of Electronic Materials</i> , 2017, 46, 3145-3155.	2.2	13
18	Air Pollution by the Exhaust Emissions from Construction Machinery under Actual Operating Conditions. <i>Applied Mechanics and Materials</i> , 2013, 390, 313-319.	0.2	12

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19	Analysis of Research Method, Results and Regulations Regarding the Exhaust Emissions from Two-Wheeled Vehicles under Actual Operating Conditions. Journal of Ecological Engineering, 2020, 21, 128-139.	1.1	9
20	Analysis of tractor particulate emissions in a modified NRSC test after implementing a particulate filter in the exhaust system. MATEC Web of Conferences, 2017, 118, 00028.	0.2	8
21	The Impact of the Vanadium Oxide Addition on the Physicochemical Performance Stability and Intercalation of Lithium Ions of the TiO ₂ -rGO-electrode in Lithium Ion Batteries. Materials, 2020, 13, 1018.	2.9	8
22	Road Tests of a Two-Wheeled Vehicle with the Use of Various Urban Road Infrastructure Solutions. Journal of Ecological Engineering, 2020, 21, 152-159.	1.1	8
23	Influence of non-commercial fuel supply systems on small engine SI exhaust emissions in relation to European approval regulations. Environmental Science and Pollution Research, 2022, 29, 55928-55943.	5.3	8
24	Investigations of Exhaust Emissions from Rail Machinery during Track Maintenance Operations. Energies, 2021, 14, 3141.	3.1	7
25	Analysis of exhaust emission measurements in rural conditions from heavy-duty vehicle. Silniki Spalinowe, 2020, 182, 54-58.	0.7	7
26	The Analysis of Fuel Consumption and Exhaust Emissions From Forklifts Fueled by Diesel Fuel and Liquefied Petroleum Gas (LPG) Obtained Under Real Driving Conditions. , 2017, , .		5
27	High-Energy Solid Fuel Obtained from Carbonized Rice Starch. Energies, 2020, 13, 4096.	3.1	5
28	Problems of exhaust emissions testing from machines and mobile devices in real operating conditions. Silniki Spalinowe, 2019, 179, 292-296.	0.7	5
29	Exhaust Emissions from a Hybrid City Bus Fuelled by Conventional and Oxygenated Fuel. Energies, 2022, 15, 1123.	3.1	5
30	The On-Road Exhaust Emissions from Vehicles Fitted with the Start-Stop System. Applied Mechanics and Materials, 2013, 390, 343-349.	0.2	4
31	Measurement of Exhaust Emissions under Actual Operating Conditions with the Use of PEMS: Review of Selected Vehicles. , 0, , .		4
32	Comparative analysis of passenger car and non-road machinery specific emission in real operating conditions. , 2018, , .		4
33	Test guidelines for evaluation real driving emission two-way vehicles. MATEC Web of Conferences, 2019, 294, 02009.	0.2	4
34	Tests of ecological indicators of two-way vehicles meeting Stage IIIB and Stage IV standards in real operating conditions. Pojazdy Szynowe, 2020, , 1-9.	0.5	4
35	The Measurement of Particulate Matter from Construction Machinery under Actual Operating Conditions. , 2015, , .		3
36	Analysis of specific emission of exhaust gases from gasoline direct injection engine in real operation conditions and on dynamic engine dynamometer. , 2018, , .		3

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37	The impact of operating conditions on exhaust emissions from a two-wheeled urban vehicle. E3S Web of Conferences, 2019, 100, 00047.	0.5	3
38	Time Density of Engine Operation in Non-road Vehicles in the Aspect of the Homologation Toxic Emission Test. , 0, , .		2
39	Exhaust Emissions Measured Under Real Traffic Conditions from Vehicles Fitted with Spark Ignition and Compression Ignition Engines. Archives of Transport, 2011, 23, .	1.1	2
40	Analysis of possibilities of waste heat recovery in off-road vehicles. , 2012, , .		2
41	The Comparison of the Exhaust Emissions from an Agricultural Tractor and a Truck. Applied Mechanics and Materials, 2013, 391, 196-201.	0.2	2
42	Exhaust Emissions from Heavy-Duty Vehicles Under Actual Traffic Conditions in the City of Poznań, , 0, , .		2
43	Development of a Method of Calculation of Energy Balance in Exhaust Systems in Terms of Energy Recovery. , 2017, , .		2
44	Analysis of exhaust gas flow through a particulate filter in the exhaust of the spark ignition direct injection engine. AIP Conference Proceedings, 2019, , .	0.4	2
45	Emissions from NRMM Vehicles in Real Operating Conditions in Relation to the Number of Vehicles in Use in the Poznan City Agglomeration (SAE Paper 2020-01-2218). , 0, , .		2
46	Possibilities of NO _x Reduction in the Emissions of Compression Ignition Engines through Ceramic Oxygen Conductors and Thermoelectric Materials. , 0, , .		1
47	The Analysis of the Emission of Particulate Matter from Non-Road Vehicles Under Actual Operating Conditions. , 2012, , .		1
48	Use of toxicity indicators related to CO ₂ emissions in the ecological assessment of an two-wheel vehicle. Silniki Spalinowe, 2021, , .	0.7	1
49	The Impact of Application of Photovoltaic Cells for Bus Ecological Properties / Wpływy Zastosowania Ogniw Fotowoltaicznych Na Ekologiczność Autobusu Miejskiego. Journal of KONBiN, 2012, 22, 159-170.	0.4	0
50	The Analysis of the Operating Conditions of Farm Machinery Engines in Regard to Exhaust Emissions Legislation. Applied Engineering in Agriculture, 2013, , .	0.7	0
51	Analysis of driving simulation capabilities car vehicle on the engine brake stand. AIP Conference Proceedings, 2019, , .	0.4	0
52	Reduction of NO _x emission from diesel engines by the application of ceramic oxygen conductors. , 2008, , .		0
53	Estimation of In-Use Powertrain Parameters of Fully Electric Vehicle Using Advanced ARM Microcontrollers. , 2012, , 157-164.		0
54	Impact of Using a Filter in a Direct Gasoline Injection Engine Exhaust System on the Emitted Particle Mass and Number. Journal of KONBiN, 2020, 50, 61-76.	0.4	0