

# Bielaczyc, P, Piotr Bielaczyc

## List of Publications by Year in descending order

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73  
papers

1,197  
citations

758635

12  
h-index

676716

22  
g-index

73  
all docs

73  
docs citations

73  
times ranked

923  
citing authors

#	ARTICLE	IF	CITATIONS
1	An assessment of regulated emissions and CO2 emissions from a European light-duty CNG-fueled vehicle in the context of Euro 6 emissions regulations. <i>Applied Energy</i> , 2014, 117, 134-141.	5.1	86
2	The effect of a low ambient temperature on the cold-start emissions and fuel consumption of passenger cars. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2011, 225, 1253-1264.	1.1	57
3	An examination of the effect of ethanol "gasoline blends" physicochemical properties on emissions from a light-duty spark ignition engine. <i>Fuel Processing Technology</i> , 2013, 107, 50-63.	3.7	57
4	Investigation of Exhaust Emissions from DI Diesel Engine During Cold and Warm Start. , 0, , .		51
5	The Effects of Neat Biodiesel and Biodiesel and HVO Blends in Diesel Fuel on Exhaust Emissions from a Light Duty Vehicle with a Diesel Engine. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7473-7482.	4.6	50
6	Occurrence of organic phosphates in particulate matter of the vehicle exhausts and outdoor environment " A case study. <i>Environmental Pollution</i> , 2019, 244, 351-360.	3.7	40
7	Cold Start Emissions Investigation at Different Ambient Temperature Conditions. , 0, , .		39
8	Trends in Automotive Emission Legislation: Impact on LD Engine Development, Fuels, Lubricants and Test Methods: a Global View, with a Focus on WLTP and RDE Regulations. <i>Emission Control Science and Technology</i> , 2019, 5, 86-98.	0.8	39
9	Analysis of Emission Factors in RDE Tests As Well as in NEDC and WLTC Chassis Dynamometer Tests. , 0, , .		35
10	RDE Testing of Passenger Cars: The Effect of the Cold Start on the Emissions Results. , 0, , .		33
11	Euro III / Euro IV Emissions - A Study of Cold Start and Warm Up Phases with a SI (Spark Ignition) Engine. , 0, , .		32
12	Evaluation of a 10 nm Particle Number Portable Emissions Measurement System (PEMS). <i>Sensors</i> , 2019, 19, 5531.	2.1	31
13	A Comparison of Carbon Dioxide Exhaust Emissions and Fuel Consumption for Vehicles Tested over the NEDC, FTP-75 and WLTC Chassis Dynamometer Test Cycles. , 0, , .		29
14	Exhaust Emissions of Gaseous and Solid Pollutants Measured over the NEDC, FTP-75 and WLTC Chassis Dynamometer Driving Cycles. , 0, , .		27
15	A Comparison of Ammonia Emission Factors from Light-Duty Vehicles Operating on Gasoline, Liquefied Petroleum Gas (LPG) and Compressed Natural Gas (CNG). <i>SAE International Journal of Fuels and Lubricants</i> , 0, 5, 751-759.	0.2	26
16	Development of vehicle exhaust emission testing methods " BOSMAL"™s new emission testing laboratory. <i>Silniki Spalinowe</i> , 2011, 144, 3-12.	0.4	25
17	Regulated and Unregulated Exhaust Emissions from CNG Fueled Vehicles in Light of Euro 6 Regulations and the New WLTP/GTR 15 Test Procedure. <i>SAE International Journal of Engines</i> , 0, 8, 1300-1312.	0.4	22
18	Exhaust Emission from Passenger Cars During Engine Cold Start and Warm-Up. , 1997, , .		21

#	ARTICLE	IF	CITATIONS
19	Effects of Fuel Properties on Exhaust Emissions from the Latest Light-Duty DI Diesel Engine. , 2003, , .		21
20	The Influence of Oxygenated Diesel Fuels on a Diesel Vehicle PM/NO <sub>x</sub> Emission Trade-Off. , 0, , .		21
21	Exhaust emission testing methods â€œ BOSMALâ€™s legislative and development emission testing laboratories. Silniki Spalinowe, 2019, 178, 88-98.	0.4	21
22	Development of automotive emissions testing equipment and test methods in response to legislative, technical and commercial requirements. Silniki Spalinowe, 2013, 152, 28-41.	0.4	20
23	A comparison of exhaust emissions from vehicles fuelled with petrol, LPG and CNG. IOP Conference Series: Materials Science and Engineering, 2016, 148, 012060.	0.3	18
24	A Method of Reducing the Exhaust Emissions from DI Diesel Engines by the Introduction of a Fuel Cut Off System During Cold Start. , 0, , .		17
25	Sulfur Driven Nucleation Mode Formation in Diesel Exhaust under Transient Driving Conditions. Environmental Science & Technology, 2014, 48, 140206134439008.	4.6	16
26	RDE-Compliant PEMS Testing of a Gasoline Euro 6d-TEMP Passenger Car at Two Ambient Temperatures with a Focus on the Cold Start Effect. , 0, , .		16
27	The Effect of Pure RME and Biodiesel Blends with High RME Content on Exhaust Emissions from a Light Duty Diesel Engine. , 0, , .		15
28	Particulate Emissions from European Vehicles Featuring Direct Injection Spark Ignition Engines Tested Under Laboratory Conditions. SAE International Journal of Fuels and Lubricants, 0, 7, 580-590.	0.2	15
29	The Comparison of the Emissions from Light Duty Vehicle in On-road and NEDC Tests. , 0, , .		14
30	Low Ambient Temperature Cold Start Emissions of Gaseous and Solid Pollutants from Euro 5 Vehicles featuring Direct and Indirect Injection Spark-Ignition Engines. SAE International Journal of Fuels and Lubricants, 2013, 6, 968-976.	0.2	14
31	The Influence of Synthetic Oxygenates on Euro IV Diesel Passenger Car Exhaust Emissions. , 0, , .		13
32	Analysis of Uncertainty of the Emission Measurement of Gaseous Pollutants on Chassis Dynamometer. , 0, , .		13
33	A Comparison of Gaseous Emissions from a Hybrid Vehicle and a Non-Hybrid Vehicle under Real Driving Conditions. , 0, , .		13
34	A Comparison of Tailpipe Gaseous Emissions from the RDE and WLTP Test Procedures on a Hybrid Passenger Car. , 0, , .		13
35	The Effect of Various Petrol-Ethanol Blends on Exhaust Emissions and Fuel Consumption of an Unmodified Light-Duty SI Vehicle. , 2011, , .		12
36	Particulate Matter (PM) Emissions of Euro 5 and Euro 6 Vehicles Using Systems with Evaporation Tube or Catalytic Stripper and 23 nm or 10 nm Counters. , 0, , .		12

#	ARTICLE	IF	CITATIONS
37	A Study of RME-Based Biodiesel Blend Influence on Performance, Reliability and Emissions from Modern Light-Duty Diesel Engines. , 0, , .		11
38	The Impact of Fuel Ethanol Content on Particulate Emissions from Light-Duty Vehicles Featuring Spark Ignition Engines. SAE International Journal of Fuels and Lubricants, 2014, 7, 224-235.	0.2	11
39	Analysis of the Influence of Fuel Sulphur Content on Diesel Engine Particulate Emissions. , 2002, , .		10
40	Performance of Particle Oxidation Catalyst and Particle Formation Studies with Sulphur Containing Fuels. SAE International Journal of Fuels and Lubricants, 0, 5, 611-619.	0.2	10
41	Excess Emissions and Fuel Consumption of Modern Spark Ignition Passenger Cars at Low Ambient Temperatures. , 2012, , .		10
42	Geochemical markers and polycyclic aromatic hydrocarbons in solvent extracts from diesel engine particulate matter. Environmental Science and Pollution Research, 2016, 23, 6999-7011.	2.7	10
43	Concept of Vaporized Urea Dosing in Selective Catalytic Reduction. Catalysts, 2017, 7, 307.	1.6	10
44	Development of RDE/ISC test methodology in light of Euro 6d/VI emissions limits. Silniki Spalinowe, 2019, 178, 274-282.	0.4	10
45	Cold Start Emissions of Spark-Ignition Engines at Low Ambient Temperatures as an Air Quality Risk. Archives of Environmental Protection, 2014, 40, 87-100.	1.1	10
46	The Influence of Synthetic Oxygenates on Euro IV Diesel Passenger Car Exhaust Emissions - Part 3. , 0, , .		8
47	Chassis Dynamometer Testing of Ammonia Emissions from Light-Duty SI Vehicles in the Context of Emissions of Reactive Nitrogen Compounds. , 2013, , .		8
48	The Impact of Alternative Fuels on Fuel Consumption and Exhaust Emissions of Greenhouse Gases from Vehicles Featuring SI Engines. Energy Procedia, 2015, 66, 21-24.	1.8	8
49	Investigations into Exhaust Particulate Emissions from Multiple Vehicle Types Running on Two Chassis Dynamometer Driving Cycles. , 0, , .		8
50	Emission of CO2 and Fuel Consumption for Automotive Vehicles. , 1999, , .		7
51	A Study of Gasoline-Ethanol Blends Influence on Performance and Exhaust Emissions from a Light-Duty Gasoline Engine. , 0, , .		7
52	An Investigation into Cold Start Emissions from Compression Ignition Engines using EU Legislative Emissions Test Procedures. SAE International Journal of Fuels and Lubricants, 0, 6, 466-477.	0.2	7
53	The Influence of Synthetic Oxygenates on Euro IV Diesel Passenger Car Exhaust Emissions - Part 2. , 2008, , .		6
54	World-wide trends in powertrain system development in light of emissions legislation, fuels, lubricants, and test methods. Silniki Spalinowe, 2021, 184, 57-71.	0.4	6

#	ARTICLE	IF	CITATIONS
55	Exhaust Emissions from Two Euro 6d-Compliant Plug-In Hybrid Vehicles: Laboratory and On-Road Testing. , 0, , .		6
56	Current directions in LD powertrain technology in response to stringent exhaust emissions and fuel efficiency requirements. Silniki Spalinowe, 2016, 166, 62-75.	0.4	6
57	Correlation between two commercially available PMP-compliant particle number counting systems. Silniki Spalinowe, 2012, 149, 10-21.	0.4	6
58	Investigations into Particulate Emissions from Euro 5 Passenger Cars with DISI Engines Tested at Multiple Ambient Temperatures. , 2015, , .		5
59	Global development of emissions reduction strategies from light duty vehicles. IOP Conference Series: Earth and Environmental Science, 2019, 214, 012139.	0.2	5
60	Trends in automotive emissions, fuels, lubricants, legislation and test methods – a global view, with a focus on the EU & US – Summary of the 5th International Exhaust Emissions Symposium (IEES). Silniki Spalinowe, 2016, 166, 76-82.	0.4	4
61	Reproducibility of the 10-nm Solid Particle Number Methodology for Light-Duty Vehicles Exhaust Measurements. Atmosphere, 2022, 13, 872.	1.0	4
62	Regulated Emissions, Unregulated Emissions and Fuel Consumption of Two Vehicles Tested on Various Petrol-Ethanol Blends. , 0, , .		3
63	Carbon dioxide emissions and fuel consumption from passenger cars tested over the NEDC and WLTC – an overview and experimental results from market-representative vehicles. IOP Conference Series: Earth and Environmental Science, 0, 214, 012136.	0.2	3
64	Analysis of Technical Capabilities, Methodology and Test Results of a Light-Commercial Vehicle Conversion to Battery Electric Powertrain. Energies, 2021, 14, 1119.	1.6	2
65	Exhaust Emissions from an SUV with a Spark-Ignition Engine Tested Using EU and US Legislative Driving Cycles and EU RDE Procedures. , 0, , .		2
66	Investigations of Ammonia Emissions from Euro 5 Passenger Cars Over a Legislative Driving Cycle. Lecture Notes in Electrical Engineering, 2013, , 671-685.	0.3	2
67	An Analysis of Emissions at Low Ambient Temperature from Diesel Passenger Cars Using the WLTP Test Procedure. , 0, , .		2
68	Inter-Comparison of Particle and Gaseous Pollutant Emissions of a Euro 4 Motorcycle at Two Laboratories. Energies, 2021, 14, 8101.	1.6	2
69	Methodology of electric motor testing on the hybrid engine test bench. Silniki Spalinowe, 2018, 174, 26-32.	0.4	1
70	Accelerated Ageing Method of Three Way Catalyst Run on Test Bed with Emission Performance and Oxygen Storage Capacity Evaluation. , 0, , .		1
71	The Variation of Functional Characteristics of a Euro VI Selective Catalytic Reduction Reactor after Ageing. , 0, , .		1
72	Environmental Performance of Diesel Fuels Containing Oxygenated Additive Packages. Lecture Notes in Electrical Engineering, 2013, , 227-238.	0.3	1

#	ARTICLE	IF	CITATIONS
73	On-Road Emissions and Fuel Consumption Testing of Heavy-Duty Vehicles via PEMS - Comparisons of Various Performance Metrics. , 0, , .		0