Bielaczyc, P, Piotr Bielaczyc

List of Publications by Year
in descending order

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	Reproducibility of the 10-nm Solid Particle Number Methodology for Light-Duty Vehicles Exhaust Measurements. Atmosphere, 2022, 13, 872.	1.0	4
2	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
3	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
4	Inter-Comparison of Particle and Gaseous Pollutant Emissions of a Euro 4 Motorcycle at Two Laboratories. Energies, 2021, 14, 8101.	1.6	2
5	Global development of emissions reduction strategies from light duty vehicles. IOP Conference Series: Earth and Environmental Science, 2019, 214, 012139.	0.2	5
6	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. Emission Control Science and Technology, 2019, 5, 86-98.	0.8	39
7	Evaluation of a 10 nm Particle Number Portable Emissions Measurement System (PEMS). Sensors, 2019, 19, 5531.	2.1	31
8	Occurrence of organic phosphates in particulate matter of the vehicle exhausts and outdoor environment â€“ A case study. Environmental Pollution, 2019, 244, 351-360.	3.7	40
9	Exhaust emission testing methods â€“ BOSMALâ€™s legislative and development emission testing laboratories. Silniki Spalinowe, 2019, 178, 88-98.	0.4	21
10	Development of RDE/ISC test methodology in light of Euro 6d/VI emissions limits. Silniki Spalinowe, 2019, 178, 274-282.	0.4	10
11	Methodology of electric motor testing on the hybrid engine test bench. Silniki Spalinowe, 2018, 174, 26-32.	0.4	1
12	Concept of Vaporized Urea Dosing in Selective Catalytic Reduction. Catalysts, 2017, 7, 307.	1.6	10
13	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
14	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
15	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
16	Trends in automotive emissions, fuels, lubricants, legislation and test methods â€“a global view, with a focus on the EU & USâ€“Summary of the 5th International Exhaust Emissions Symposium (IEES). Silniki Spalinowe, 2016, 166, 76-82.	0.4	4
17	Investigations into Particulate Emissions from Euro 5 Passenger Cars with DISI Engines Tested at Multiple Ambient Temperatures. , 2015, , .		5
18	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. Environmental Science & Technology, 2015, 49, 7473-7482.	4.6	50

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19	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
20	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
21	Sulfur Driven Nucleation Mode Formation in Diesel Exhaust under Transient Driving Conditions. Environmental Science & Technology, 2014, 48, 140206134439008.	4.6	16
22	An assessment of regulated emissions and CO2 emissions from a European light-duty CNG-fueled vehicle in the context of Euro 6 emissions regulations. Applied Energy, 2014, 117, 134-141.	5.1	86
23	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
24	An examination of the effect of ethanolâ€“gasoline blends' physicochemical properties on emissions from a light-duty spark ignition engine. Fuel Processing Technology, 2013, 107, 50-63.	3.7	57
25	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
26	Chassis Dynamometer Testing of Ammonia Emissions from Light-Duty SI Vehicles in the Context of Emissions of Reactive Nitrogen Compounds. , 2013, , .		8
27	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
28	Environmental Performance of Diesel Fuels Containing Oxygenated Additive Packages. Lecture Notes in Electrical Engineering, 2013, , 227-238.	0.3	1
29	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
30	Excess Emissions and Fuel Consumption of Modern Spark Ignition Passenger Cars at Low Ambient Temperatures. , 2012, , .		10
31	Correlation between two commercially available PMP-compliant particle number counting systems. Silniki Spalinowe, 2012, 149, 10-21.	0.4	6
32	The Effect of Various Petrol-Ethanol Blends on Exhaust Emissions and Fuel Consumption of an Unmodified Light-Duty SI Vehicle. , 2011, , .		12
33	The effect of a low ambient temperature on the cold-start emissions and fuel consumption of passenger cars. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2011, 225, 1253-1264.	1.1	57
34	Development of vehicle exhaust emission testing methods â€“ BOSMALâ€™s new emission testing laboratory. Silniki Spalinowe, 2011, 144, 3-12.	0.4	25
35	The Influence of Synthetic Oxygenates on Euro IV Diesel Passenger Car Exhaust Emissions - Part 2. , 2008, , .		6
36	Effects of Fuel Properties on Exhaust Emissions from the Latest Light-Duty DI Diesel Engine. , 2003, , .		21

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37	Analysis of the Influence of Fuel Sulphur Content on Diesel Engine Particulate Emissions. , 2002, , .		10
38	Emission of CO2 and Fuel Consumption for Automotive Vehicles. , 1999, , .		7
39	Exhaust Emission from Passenger Cars During Engine Cold Start and Warm-Up. , 1997, , .		21
40	Cold Start Emissions Investigation at Different Ambient Temperature Conditions. , 0, , .		39
41	Euro III / Euro IV Emissions - A Study of Cold Start and Warm Up Phases with a SI (Spark Ignition) Engine. , 0, , .		32
42	Investigation of Exhaust Emissions from DI Diesel Engine During Cold and Warm Start. , 0, , .		51
43	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
44	The Influence of Synthetic Oxygenates on Euro IV Diesel Passenger Car Exhaust Emissions. , 0, , .		13
45	Analysis of Uncertainty of the Emission Measurement of Gaseous Pollutants on Chassis Dynamometer. , 0, , .		13
46	A Study of RME-Based Biodiesel Blend Influence on Performance, Reliability and Emissions from Modern Light-Duty Diesel Engines. , 0, , .		11
47	The Influence of Synthetic Oxygenates on Euro IV Diesel Passenger Car Exhaust Emissions - Part 3. , 0, , .		8
48	The Influence of Oxygenated Diesel Fuels on a Diesel Vehicle PM/NO_x Emission Trade-Off. , 0, , .		21
49	The Effect of Pure RME and Biodiesel Blends with High RME Content on Exhaust Emissions from a Light Duty Diesel Engine. , 0, , .		15
50	The Comparison of the Emissions from Light Duty Vehicle in On-road and NEDC Tests. , 0, , .		14
51	A Study of Gasoline-Ethanol Blends Influence on Performance and Exhaust Emissions from a Light-Duty Gasoline Engine. , 0, , .		7
52	A Comparison of Ammonia Emission Factors from Light-Duty Vehicles Operating on Gasoline, Liquefied Petroleum Gas (LPG) and Compressed Natural Gas (CNG). SAE International Journal of Fuels and Lubricants, 0, 5, 751-759.	0.2	26
53	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
54	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

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55	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
56	Regulated Emissions, Unregulated Emissions and Fuel Consumption of Two Vehicles Tested on Various Petrol-Ethanol Blends. , 0, , .		3
57	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
58	Regulated and Unregulated Exhaust Emissions from CNG Fueled Vehicles in Light of Euro 6 Regulations and the New WLTP/GTR 15 Test Procedure. SAE International Journal of Engines, 0, 8, 1300-1312.	0.4	22
59	Exhaust Emissions of Gaseous and Solid Pollutants Measured over the NEDC, FTP-75 and WLTC Chassis Dynamometer Driving Cycles. , 0, , .		27
60	Analysis of Emission Factors in RDE Tests As Well as in NEDC and WLTC Chassis Dynamometer Tests. , 0, , .		35
61	Investigations into Exhaust Particulate Emissions from Multiple Vehicle Types Running on Two Chassis Dynamometer Driving Cycles. , 0, , .		8
62	A Comparison of Gaseous Emissions from a Hybrid Vehicle and a Non-Hybrid Vehicle under Real Driving Conditions. , 0, , .		13
63	Carbon dioxide emissions and fuel consumption from passenger cars tested over the NEDC and WLTC â€“ an overview and experimental results from market-representative vehicles. IOP Conference Series: Earth and Environmental Science, 0, 214, 012136.	0.2	3
64	RDE Testing of Passenger Cars: The Effect of the Cold Start on the Emissions Results. , 0, , .		33
65	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
66	Exhaust Emissions from Two Euro 6d-Compliant Plug-In Hybrid Vehicles: Laboratory and On-Road Testing. , 0, , .		6
67	Exhaust Emissions from an SUV with a Spark-Ignition Engine Tested Using EU and US Legislative Driving Cycles and EU RDE Procedures. , 0, , .		2
68	Accelerated Ageing Method of Three Way Catalyst Run on Test Bed with Emission Performance and Oxygen Storage Capacity Evaluation. , 0, , .		1
69	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
70	The Variation of Functional Characteristics of a Euro VI Selective Catalytic Reduction Reactor after Ageing. , 0, , .		1
71	A Comparison of Tailpipe Gaseous Emissions from the RDE and WLTP Test Procedures on a Hybrid Passenger Car. , 0, , .		13
72	An Analysis of Emissions at Low Ambient Temperature from Diesel Passenger Cars Using the WLTP Test Procedure. , 0, , .		2

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