Tero LÃ¤hde

List of Publications by Year in descending order

34 papers	1,133 citations	430874 18 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	1046 citing authors

#	Article	IF	Citations
1	Exhaust particles of modern gasoline vehicles: A laboratory and an on-road study. Atmospheric Environment, 2014, 97, 262-270.	4.1	145
2	Effects of Gaseous Sulphuric Acid on Diesel Exhaust Nanoparticle Formation and Characteristics. Environmental Science & Technology, 2013, 47, 11882-11889.	10.0	74
3	Heavy Duty Diesel Engine Exhaust Aerosol Particle and Ion Measurements. Environmental Science & Technology, 2009, 43, 163-168.	10.0	70
4	Regulating particle number measurements from the tailpipe of light-duty vehicles: The next step?. Environmental Research, 2019, 172, 1-9.	7.5	68
5	Lung deposited surface area size distributions of particulate matter in different urban areas. Atmospheric Environment, 2016, 136, 105-113.	4.1	67
6	Particle number measurements in the European legislation and future JRC activities. Silniki Spalinowe, 2018, 174, 3-16.	0.7	65
7	Dependence between Nonvolatile Nucleation Mode Particle and Soot Number Concentrations in an EGR Equipped Heavy-Duty Diesel Engine Exhaust. Environmental Science & Technology, 2010, 44, 3175-3180.	10.0	57
8	Effect of Open Channel Filter on Particle Emissions of Modern Diesel Engine. Journal of the Air and Waste Management Association, 2009, 59, 1148-1154.	1.9	54
9	Brake Wear Particle Emissions of a Passenger Car Measured on a Chassis Dynamometer. Atmosphere, 2019, 10, 556.	2.3	48
10	Effect of Fuel Injection Pressure on a Heavy-Duty Diesel Engine Nonvolatile Particle Emission. Environmental Science & Technology, 2011, 45, 2504-2509.	10.0	46
11	Evaluation of NOx emissions of a retrofitted Euro 5 passenger car for the Horizon prize â€œEngine retrofitâ€• Environmental Research, 2018, 166, 298-309.	7.5	41
12	The comparison of particle oxidation and surface structure of diesel soot particles between fossil fuel and novel renewable diesel fuel. Fuel, 2010, 89, 4008-4013.	6.4	35
13	Emission Factors of a Euro VI Heavy-duty Diesel Refuse Collection Vehicle. Sustainability, 2019, 11, 1067.	3.2	32
14	Non-Volatile Particle Number Emission Measurements with Catalytic Strippers: A Review. Vehicles, 2020, 2, 342-364.	3.1	29
15	Assessment of 10-nm Particle Number (PN) Portable Emissions Measurement Systems (PEMS) for Future Regulations. International Journal of Environmental Research and Public Health, 2020, 17, 3878.	2.6	28
16	Uncertainty of laboratory and portable solid particle number systems for regulatory measurements of vehicle emissions. Environmental Research, 2021, 197, 111068.	7.5	25
17	Mobile Particle and NOx Emission Characterization at Helsinki Downtown: Comparison of Different Traffic Flow Areas. Aerosol and Air Quality Research, 2014, 14, 1372-1382.	2.1	24
18	Particle Number Measurements Directly from the Tailpipe for Type Approval of Heavy-Duty Engines. Applied Sciences (Switzerland), 2019, 9, 4418.	2.5	23

#	Article	IF	Citations
19	Heavy-duty, off-road diesel engine low-load particle number emissions and particle control. Journal of the Air and Waste Management Association, 2014, 64, 1186-1194.	1.9	22
20	Wood Dust Particle and Mass Concentrations and Filtration Efficiency in Sanding of Wood Materials. Journal of Occupational and Environmental Hygiene, 2008, 6, 90-98.	1.0	21
21	Laboratory and On-Road Evaluation of a GPF-Equipped Gasoline Vehicle. Catalysts, 2019, 9, 678.	3.5	21
22	Emissions of a Euro 6b Diesel Passenger Car Retrofitted with a Solid Ammonia Reduction System. Atmosphere, 2019, 10, 180.	2.3	18
23	Solid particle number emissions of 56 light-duty Euro 5 and Euro 6 vehicles. Journal of Aerosol Science, 2022, 159, 105873.	3.8	17
24	Reduction of Heavy-Duty Diesel Exhaust Particle Number and Mass at Low Exhaust Temperature Driving by the DOC and the SCR. SAE International Journal of Fuels and Lubricants, 0, 5, 1114-1122.	0.2	15
25	Particulate Emissions of Euro 4 Motorcycles and Sampling Considerations. Atmosphere, 2019, 10, 421.	2.3	15
26	Particle Number Emissions of Gasoline, Compressed Natural Gas (CNG) and Liquefied Petroleum Gas (LPG) Fueled Vehicles at Different Ambient Temperatures. Atmosphere, 2021, 12, 893.	2.3	15
27	Comparisons of Laboratory and On-Road Type-Approval Cycles with Idling Emissions. Implications for Periodical Technical Inspection (PTI) Sensors. Sensors, 2020, 20, 5790.	3.8	14
28	Development of Measurement Methodology for Sub 23 nm Particle Number (PN) Measurements. SAE International Journal of Advances and Current Practices in Mobility, 0, 3, 551-560.	2.0	10
29	Identification and Quantification of Uncertainty Components in Gaseous and Particle Emission Measurements of a Moped. Energies, 2019, 12, 4343.	3.1	9
30	Detailed Characterization of Solid and Volatile Particle Emissions of Two Euro 6 Diesel Vehicles. Applied Sciences (Switzerland), 2022, 12, 3321.	2.5	7
31	Effect of lubricating oil characteristics on solid particle number and CO2 emissions of a Euro 6 light-duty compressed natural gas fuelled vehicle. Fuel, 2022, 324, 124763.	6.4	7
32	The Effect of a Particle Oxidation Catalyst (POCÂ®) on Particle Emissions of a GDI Car during Transient Engine Operation. , 2013, , .		4
33	Reproducibility of the 10-nm Solid Particle Number Methodology for Light-Duty Vehicles Exhaust Measurements. Atmosphere, 2022, 13, 872.	2.3	4
34	Emissions of Euro 6 Mono- and Bi-Fuel Gas Vehicles. Catalysts, 2022, 12, 651.	3.5	3