

Tero LÃ¤hde

List of Publications by Year in descending order

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34
papers

1,133
citations

430442

18
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433756

31
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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. | 1.9 | 145 |
| 2 | Effects of Gaseous Sulphuric Acid on Diesel Exhaust Nanoparticle Formation and Characteristics. Environmental Science & Technology, 2013, 47, 11882-11889. | 4.6 | 74 |
| 3 | Heavy Duty Diesel Engine Exhaust Aerosol Particle and Ion Measurements. Environmental Science & Technology, 2009, 43, 163-168. | 4.6 | 70 |
| 4 | Regulating particle number measurements from the tailpipe of light-duty vehicles: The next step?. Environmental Research, 2019, 172, 1-9. | 3.7 | 68 |
| 5 | Lung deposited surface area size distributions of particulate matter in different urban areas. Atmospheric Environment, 2016, 136, 105-113. | 1.9 | 67 |
| 6 | Particle number measurements in the European legislation and future JRC activities. Silniki Spalinowe, 2018, 174, 3-16. | 0.4 | 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. | 4.6 | 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. | 0.9 | 54 |
| 9 | Brake Wear Particle Emissions of a Passenger Car Measured on a Chassis Dynamometer. Atmosphere, 2019, 10, 556. | 1.0 | 48 |
| 10 | Effect of Fuel Injection Pressure on a Heavy-Duty Diesel Engine Nonvolatile Particle Emission. Environmental Science & Technology, 2011, 45, 2504-2509. | 4.6 | 46 |
| 11 | Evaluation of NOx emissions of a retrofitted Euro 5 passenger car for the Horizon prize "Engine retrofit". Environmental Research, 2018, 166, 298-309. | 3.7 | 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. | 3.4 | 35 |
| 13 | Emission Factors of a Euro VI Heavy-duty Diesel Refuse Collection Vehicle. Sustainability, 2019, 11, 1067. | 1.6 | 32 |
| 14 | Non-Volatile Particle Number Emission Measurements with Catalytic Strippers: A Review. Vehicles, 2020, 2, 342-364. | 1.7 | 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. | 1.2 | 28 |
| 16 | Uncertainty of laboratory and portable solid particle number systems for regulatory measurements of vehicle emissions. Environmental Research, 2021, 197, 111068. | 3.7 | 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. | 0.9 | 24 |
| 18 | Particle Number Measurements Directly from the Tailpipe for Type Approval of Heavy-Duty Engines. Applied Sciences (Switzerland), 2019, 9, 4418. | 1.3 | 23 |

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|----|--|-----|-----------|
| 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. | 0.9 | 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. | 0.4 | 21 |
| 21 | Laboratory and On-Road Evaluation of a GPF-Equipped Gasoline Vehicle. Catalysts, 2019, 9, 678. | 1.6 | 21 |
| 22 | Emissions of a Euro 6b Diesel Passenger Car Retrofitted with a Solid Ammonia Reduction System. Atmosphere, 2019, 10, 180. | 1.0 | 18 |
| 23 | Solid particle number emissions of 56 light-duty Euro 5 and Euro 6 vehicles. Journal of Aerosol Science, 2022, 159, 105873. | 1.8 | 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. | 1.0 | 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. | 1.0 | 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. | 2.1 | 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. | 1.6 | 9 |
| 30 | Detailed Characterization of Solid and Volatile Particle Emissions of Two Euro 6 Diesel Vehicles. Applied Sciences (Switzerland), 2022, 12, 3321. | 1.3 | 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. | 3.4 | 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. | 1.0 | 4 |
| 34 | Emissions of Euro 6 Mono- and Bi-Fuel Gas Vehicles. Catalysts, 2022, 12, 651. | 1.6 | 3 |