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**Compound identification in organic aerosols using**

Jul 8, 1999 Air Pollution Research Center, University of California Riverside, Riverside Aerosol particles are efficiently sampled into a high-vacuum using this setup and a temperature ramp rate of 1 C/min, useful chemistry by analyzing the secondary organic aerosol generated View all 59 citing articles.

**Diesel particulate matter**

Technical paper on the characterization of particulate matter from the vehicle s exhaust particles are deposited on the exhaust pipe

**Citeseerx r.: evolution of vehicle exhaust**

Abstract. Aerosol mass spectrometer (AMS) measurements are used to characterize the evolution of exhaust particulate matter (PM) properties near and downwind of

**Enhanced coagulation due to evaporation and its**

Nov 12, 2005 ACS Journals . A new explanation for the evolution of particles near a roadway is proposed. For a more comprehensive list of citations to this article, users are Oil Sulfur on the Performance of a Diesel Exhaust Gas Continuously D. Pickles , C. Goersmann , M. V. Twigg , A. P. Walker and R. Boddy.

### **A quantitative description of vehicle exhaust**

A quantitative description of vehicle exhaust particle size distributions The fitting assumed that the observed particle size distribution was a combination

### **Diesel emission health and environmental effects**

Diesel exhaust is a complex mixture of gases and fine particles. that diesel exhaust exposure can monoxide in our air is vehicle emissions

### **[ultrafine particle number concentration and size**

The majority of exhaust particles were in Nuclear mode and Particle number concentration showed a significantly sharp increase during the vehicle acceleration

### **Ehhi :: the harmful effects of vehicle exhaust**

The Harmful Effects of Vehicle Exhaust : emit very fine particles that deeply penetrate lungs and inflame the circulatory system, damaging

### **Relationship between particle mass and mobility**

Dec 19, 2002 Relationship between Particle Mass and Mobility for Diesel Exhaust View all 187 citing articles of Particles Emitted from Small-Scale Combustion of Various Wood Fuels Effective Density and Mixing State of Aerosol Particles in a Jenny Rissler , Erik Z. Nordin , Axel C. Eriksson , Patrik T. Nilsson

### **Final report | relationship between ultrafine**

Hinds WC, Sioutas C. Evolution of particle number atmospheric particles, motor vehicle PM, diesel exhaust particles, freeway

### **Modeling the evolution of aerosol particles in a**

Modeling the evolution of aerosol particles in a ship ship exhaust particles on a single putational burden when simulating the evolution of particles

### **Physicochemical characterisation of combustion**

Jan 02, 2006 (one nucleus), while growth of vehicle exhaust particles involves a combination of coagulation and condensation (several nuclei).

### **Chapter 2 characterization of combustion and**

vehicle exhaust into a dilution tunnel (2001) A detailed numerical study of the evolution of soot particle size distributions in laminar premixed ames.

### **Mobile laboratory with rapid response instruments**

Sep 22, 2004 For a more comprehensive list of citations to this article, users are Ezra C. Wood , W. Berk Knighton , Ed C. Fortner , Scott C. Herndon , Timothy B. Onasch , Jonathan P. Franklin , Douglas R. Worsnop , Timothy Characterizing the Spatial Variation of Air Pollutants and the .. American Chemical Society

### **Modelling aerosol number distributions from a**

the phenomenology leading to the formation and the evolution of the aerosol number distributions in the vicinity of a vehicle exhaust evolution of particle

### **Measurements of ion concentration in gasoline and**

the processes and parameters controlling formation and evolution of ultrafine particles in vehicle exhaust. Chemiion evolution in motor vehicle exhaust:

### **Diesel exhaust particle size**

Technical paper on sizes and size distributions of diesel exhaust This evolution also occurs in the particle sampling ratios of vehicle exhaust gases at the

### **Particle size variation in diesel car exhaust**

Groblicki, P. and Begeman, C., "Particle Size Variation in Diesel Car Exhaust," SAE Technical There was no consistent effect of speed on particle size in the

### **Diesel exhaust - wikipedia, the free encyclopedia**

Diesel particulate matter (DPM), sometimes also called diesel exhaust particles (DEP), is the particulate component of diesel exhaust, Vehicle emissions control;

### **Chemical analysis of diesel engine nanoparticles**

Apr 25, 2001 Air Pollution Research Center, University of California, Riverside, The volatility of the organic fraction of the aerosol increases as the View all 127 citing articles Vehicle Engines Produce Exhaust Nanoparticles Even When Not Effects of Gaseous Sulphuric Acid on Diesel Exhaust Nanoparticle

### **Effects of dilution on fine particle mass and**

Nov 30, 2005 ACS Journals . For the diesel engine operating at low load and wood combustion, such that the diluted exhaust achieves atmospheric levels of dilution. and too much dilution (with clean air) can underestimate them. Gas- Particle Partitioning of Primary Organic Aerosol Emissions: (2) Diesel Vehicles.

### **Nucleation particles in diesel exhaust:**

Jul 12, 2005 For a more comprehensive list of citations to this article, users are Sulfur Driven Nucleation Mode Formation in Diesel Exhaust under Vehicle Engines Produce Exhaust Nanoparticles Even When Not M. Oakes , E. D. Ingall , B. Lai , M. M. Shafer , M. D. Hays , Z. G. Liu .. American Chemical Society

### **Oxidation and atmospheric transformation of**

of different dilution methods on the diesel particles evolution inside the chamber is Oxidation and Atmospheric Transformation of Vehicle Exhaust Particles

### **Near-highway pollutants in motor vehicle exhaust:**

who demonstrated "road-to-ambient" evolution of particle number particles near a major highway with Motor vehicle exhaust and chronic

### **Characterisation of exhaust particulate**

is arguably at an early stage of evolution. Vehicle Exhaust Particle Size Distributions: A Comparison of Tailpipe and Dilution Tunnel Measurements,

### **Organic aerosol formation from photochemical**

Sep 11, 2007 Diluted exhaust from a diesel engine was photo-oxidized in a smog doubling the organic aerosol contribution of primary emissions after View all 44 citing articles The Journal of Physical Chemistry A 2013 117 (51), 13935-13945 Mang Zhang , Shantanu H. Jathar , Ngoc T. Nguyen , John Massetti

### **Engine exhaust particle sizer spectrometer 3090 -**

Engine Exhaust Particle Sizer Spectrometer Model 3090 A4; Standard Replacement Parts. Model 3090 Standard Replacement Parts; FAQs. Can the Model 3090 measure exhaust

### **Ormation of volatile nanoparticles in motor**

of high concentration of volatile NPs or nucleation mode particles observed in motor vehicle exhaust. and evolution of NPs in vehicle exhaust,

### **Exhaust gas - wikipedia, the free encyclopedia**

It is a major component of motor vehicle emissions Small particles can penetrate deeply into sensitive lung tissue and damage it,

### **Sampling of non-volatile vehicle exhaust particles**

Schindler, W., Bergmann, A. et al., "Sampling of Non-Volatile Vehicle Exhaust Particles: Influence of Dilution Process on Engine Exhaust Nano-Particles.

### **Scitech connect: gasoline vehicle exhaust particle**

GASOLINE VEHICLE EXHAUST PARTICLE SAMPLING STUDY The University of Minnesota collaborated with the Paul Scherrer Institute, the University of Wisconsin

### **How much soot is in car exhaust? | human world |**

Dec 19, 2010 How much soot is in car exhaust? New technology allows us to measure soot particles in the exhaust of diesel engines,

### **Air quality model evaluation data for organics**

Jul 30, 1997 ACS Journals . Yunliang Zhao , Ngoc T. Nguyen , Albert A. Presto , Christopher J. Environmental Science & Technology 2015 Article ASAP Intermediate- Volatility Organic Compounds: A Large Source of Secondary Organic Aerosol Daniel S. Tkacik , Joost A. de Gouw , Jessica B. Gilman , William C.

### **Products and mechanism of secondary organic**

Nov 2, 2005 Air Pollution Research Center, University of California, Riverside, California 92521 Secondary organic aerosol (SOA) formation from reactions of SOA yields ranged from 0.5% for C8 to 53% for C15, with a View all 72 citing articles Multiphase Chemistry at the Atmosphere Biosphere Interface

### **Evolution of vehicle exhaust particles in the**

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### **On-road measurement of particle emission in the**

Aug 15, 2003 ACS Journals . Exhaust particle size distribution data were recorded together with exhaust obtained from the same vehicle tested on a chassis dynamometer . Good agreement was found for the soot mode particles which occurred at a For a more comprehensive list of citations to this article, users are

### **Characterization of combustion and engine exhaust**

The influence of dilution conditions on diesel exhaust particle size of the evolution of soot particle size motor vehicle exhaust particles.

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Abstract Aerosol mass spectrometer (AMS) measurements are used to characterize the evolution of exhaust particulate matter (PM) properties near and downwind of

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