

David B Kittelson

List of Publications by Year in descending order

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35
papers

4,839
citations

430754

18
h-index

454834

30
g-index

35
all docs

35
docs citations

35
times ranked

3754
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle emissions from mobile sources: Discussion of ultrafine particle emissions and definition. <i>Journal of Aerosol Science</i> , 2022, 159, 105881.	1.8	15
2	Impacts of engine lubrication oil-derived ash on soot oxidative reactivity on a catalytic gasoline particulate filter. <i>Journal of Aerosol Science</i> , 2022, 162, 105960.	1.8	2
3	Measuring the effect of fireworks on air quality in Minneapolis, Minnesota. <i>SN Applied Sciences</i> , 2022, 4, 1.	1.5	2
4	Assessment of a regulatory measurement system for the determination of the non-volatile particulate matter emissions from commercial aircraft engines. <i>Journal of Aerosol Science</i> , 2021, 154, 105734.	1.8	15
5	Impact of Biofuel Blends on Black Carbon Emissions from a Gas Turbine Engine. <i>Energy & Fuels</i> , 2020, 34, 4958-4966.	2.5	30
6	Impacts of Exhaust Transfer System Contamination on Particulate Matter Measurements. <i>Emission Control Science and Technology</i> , 2020, 6, 163-177.	0.8	10
7	Evaluation of Partial Flow Dilution Systems for Very Low PM Mass Measurements. <i>Emission Control Science and Technology</i> , 2018, 4, 247-259.	0.8	6
8	Size and volatility of particle emissions from an ethanol-fueled HCCI engine. <i>Aerosol Science and Technology</i> , 2017, 51, 614-625.	1.5	12
9	Gravimetric Measurements of Filtering Facepiece Respirators Challenged With Diesel Exhaust. <i>Annals of Work Exposures and Health</i> , 2017, 61, 737-747.	0.6	0
10	Fuel Sulfur and Iron Additives Contribute to the Formation of Carbon Nanotube-like Structures in an Internal Combustion Engine. <i>Environmental Science and Technology Letters</i> , 2016, 3, 364-368.	3.9	17
11	Dual-Fuel Diesel Engine Combustion With Hydrogen, Gasoline, and Ethanol as Fumigants: Effect of Diesel Injection Timing. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014, 136, .	0.5	22
12	Bipolar Diffusion Charging of Aggregates. <i>Aerosol Science and Technology</i> , 2012, 46, 794-803.	1.5	11
13	Nature of Sub-23-nm Particles Downstream of the European Particle Measurement Programme (PMP)-Compliant System: A Real-Time Data Perspective. <i>Aerosol Science and Technology</i> , 2012, 46, 886-896.	1.5	39
14	Emissions from Ethanol-Gasoline Blends: A Single Particle Perspective. <i>Atmosphere</i> , 2011, 2, 182-200.	1.0	40
15	Solar Gasification of Biomass: Kinetics of Pyrolysis and Steam Gasification in Molten Salt. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2011, 133, .	1.1	57
16	Comparison of Water and Butanol Based CPCs for Examining Diesel Combustion Aerosols. <i>Aerosol Science and Technology</i> , 2010, 44, 629-638.	1.5	11
17	Evaluation of the European PMP Methodologies during On-Road and Chassis Dynamometer Testing for DPF Equipped Heavy-Duty Diesel Vehicles. <i>Aerosol Science and Technology</i> , 2009, 43, 962-969.	1.5	48
18	Investigation of Diesel Nanoparticle Nucleation Mechanisms. <i>Aerosol Science and Technology</i> , 2008, 42, 335-342.	1.5	18

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19	A Method to Measure Static Charge on a Filter Used for Gravimetric Analysis. <i>Aerosol Science and Technology</i> , 2008, 42, 714-721.	1.5	9
20	Characteristics of SME Biodiesel-Fueled Diesel Particle Emissions and the Kinetics of Oxidation. <i>Environmental Science & Technology</i> , 2006, 40, 4949-4955.	4.6	166
21	Characterization of Aerosol Surface Instruments in Transition Regime. <i>Aerosol Science and Technology</i> , 2005, 39, 902-911.	1.5	101
22	Source apportionment of diesel and spark ignition exhaust aerosol using on-road data from the Minneapolis metropolitan area. <i>Atmospheric Environment</i> , 2005, 39, 2111-2121.	1.9	32
23	Measurement of Electrical Charge on Diesel Particles. <i>Aerosol Science and Technology</i> , 2005, 39, 1129-1135.	1.5	38
24	Measurement of Inherent Material Density of Nanoparticle Agglomerates. <i>Journal of Nanoparticle Research</i> , 2004, 6, 267-272.	0.8	263
25	Structural Properties of Diesel Exhaust Particles Measured by Transmission Electron Microscopy (TEM): Relationships to Particle Mass and Mobility. <i>Aerosol Science and Technology</i> , 2004, 38, 881-889.	1.5	294
26	Measurement of Inherent Material Density of Nanoparticle Agglomerates. , 2004, 6, 267.		1
27	Relationship between Particle Mass and Mobility for Diesel Exhaust Particles. <i>Environmental Science & Technology</i> , 2003, 37, 577-583.	4.6	444
28	Kinetics of Diesel Nanoparticle Oxidation. <i>Environmental Science & Technology</i> , 2003, 37, 1949-1954.	4.6	67
29	Size-Selected Nanoparticle Chemistry: Kinetics of Soot Oxidation. <i>Journal of Physical Chemistry A</i> , 2002, 106, 96-103.	1.1	121
30	Engines and nanoparticles. <i>Journal of Aerosol Science</i> , 1998, 29, 575-588.	1.8	2,020
31	Generating Particle Beams of Controlled Dimensions and Divergence: I. Theory of Particle Motion in Aerodynamic Lenses and Nozzle Expansions. <i>Aerosol Science and Technology</i> , 1995, 22, 293-313.	1.5	459
32	Generating Particle Beams of Controlled Dimensions and Divergence: II. Experimental Evaluation of Particle Motion in Aerodynamic Lenses and Nozzle Expansions. <i>Aerosol Science and Technology</i> , 1995, 22, 314-324.	1.5	393
33	The Influence of Engine Lubricating Oil on Diesel Nanoparticle Emissions and Kinetics of Oxidation. , 0, , .		51
34	Solid Particle Number and Mass Emissions from Lean and Stoichiometric Gasoline Direct Injection Engine Operation. , 0, , .		16
35	Effects of Fuel Properties on Particle Number and Particle Mass Emissions from Lean and Stoichiometric Gasoline Direct Injection Engine Operation. , 0, , .		9