

H Christopher Frey

List of Publications by Year in descending order

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149
papers

5,351
citations

81889

39
h-index

106340

65
g-index

150
all docs

150
docs citations

150
times ranked

4285
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and Review of Sensitivity Analysis Methods. <i>Risk Analysis</i> , 2002, 22, 553-578.	2.7	661
2	On-Road Measurement of Vehicle Tailpipe Emissions Using a Portable Instrument. <i>Journal of the Air and Waste Management Association</i> , 2003, 53, 992-1002.	1.9	201
3	Fuel Use and Emissions Comparisons for Alternative Routes, Time of Day, Road Grade, and Vehicles Based on In-Use Measurements. <i>Environmental Science & Technology</i> , 2008, 42, 2483-2489.	10.0	177
4	A Vehicle-Specific Power Approach to Speed- and Facility-Specific Emissions Estimates for Diesel Transit Buses. <i>Environmental Science & Technology</i> , 2008, 42, 7985-7991.	10.0	167
5	Uncertainties in predicted ozone concentrations due to input uncertainties for the UAM-V photochemical grid model applied to the July 1995 OTAG domain. <i>Atmospheric Environment</i> , 2001, 35, 891-903.	4.1	162
6	Comparing real-world fuel consumption for diesel- and hydrogen-fueled transit buses and implication for emissions. <i>Transportation Research, Part D: Transport and Environment</i> , 2007, 12, 281-291.	6.8	139
7	A review of factors impacting exposure to PM _{2.5} , ultrafine particles and black carbon in Asian transport microenvironments. <i>Atmospheric Environment</i> , 2018, 187, 301-316.	4.1	117
8	Real-World In-Use Activity, Fuel Use, and Emissions for Nonroad Construction Vehicles: A Case Study for Excavators. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 1033-1046.	1.9	106
9	Comprehensive Field Study of Fuel Use and Emissions of Nonroad Diesel Construction Equipment. <i>Transportation Research Record</i> , 2010, 2158, 69-76.	1.9	102
10	Characterizing, simulating, and analyzing variability and uncertainty: An illustration of methods using an air toxics emissions example. <i>Human and Ecological Risk Assessment (HERA)</i> , 1996, 2, 762-797.	3.4	90
11	Road grade quantification based on global positioning system data obtained from real-world vehicle fuel use and emissions measurements. <i>Atmospheric Environment</i> , 2014, 85, 179-186.	4.1	90
12	Trends in onroad transportation energy and emissions. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 514-563.	1.9	88
13	Assessing methods for comparing emissions from gasoline and diesel light-duty vehicles based on microscale measurements. <i>Transportation Research, Part D: Transport and Environment</i> , 2009, 14, 91-99.	6.8	87
14	Requirements and Incentives for Reducing Construction Vehicle Emissions and Comparison of Nonroad Diesel Engine Emissions Data Sources. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009, 135, 341-351.	3.8	81
15	Integrating a simplified emission estimation model and mesoscopic dynamic traffic simulator to efficiently evaluate emission impacts of traffic management strategies. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 37, 123-136.	6.8	81
16	Methods for Characterizing Variability and Uncertainty: Comparison of Bootstrap Simulation and Likelihood-Based Approaches. <i>Risk Analysis</i> , 1999, 19, 109-130.	2.7	71
17	Road Grade Estimation for On-Road Vehicle Emissions Modeling Using Light Detection and Ranging Data. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 777-788.	1.9	71
18	Evaluation of numerical models for simulation of real-world hot-stabilized fuel consumption and emissions of gasoline light-duty vehicles. <i>Transportation Research, Part D: Transport and Environment</i> , 2006, 11, 377-385.	6.8	70

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19	Characterization of PM 2.5 exposure concentration in transport microenvironments using portable monitors. <i>Environmental Pollution</i> , 2017, 228, 433-442.	7.5	67
20	Identification and review of sensitivity analysis methods. <i>Risk Analysis</i> , 2002, 22, 553-78.	2.7	65
21	Effect of Arterial Signalization and Level of Service on Measured Vehicle Emissions. <i>Transportation Research Record</i> , 2003, 1842, 47-56.	1.9	63
22	Improved System Integration for Integrated Gasification Combined Cycle (IGCC) Systems. <i>Environmental Science & Technology</i> , 2006, 40, 1693-1699.	10.0	59
23	Vehicle-Specific Emissions Modeling Based upon on-Road Measurements. <i>Environmental Science & Technology</i> , 2010, 44, 3594-3600.	10.0	56
24	Comparison of real-world and certification emission rates for light duty gasoline vehicles. <i>Science of the Total Environment</i> , 2018, 622-623, 790-800.	8.0	55
25	Sensitivity Analysis of a Two-Dimensional Probabilistic Risk Assessment Model Using Analysis of Variance. <i>Risk Analysis</i> , 2005, 25, 1511-1529.	2.7	54
26	Dynamics of coarse and fine particle exposure in transport microenvironments. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	6.8	54
27	Quantification of Highway Vehicle Emissions Hot Spots Based upon On-Board Measurements. <i>Journal of the Air and Waste Management Association</i> , 2004, 54, 130-140.	1.9	51
28	Field Procedures for Real-World Measurements of Emissions from Diesel Construction Vehicles. <i>Journal of Infrastructure Systems</i> , 2010, 16, 216-225.	1.8	51
29	Comparison of Real-World Emissions of B20 Biodiesel versus Petroleum Diesel for Selected Nonroad Vehicles and Engine Tiers. <i>Transportation Research Record</i> , 2008, 2058, 33-42.	1.9	50
30	Speed- and Facility-Specific Emission Estimates for On-Road Light-Duty Vehicles on the Basis of Real-World Speed Profiles. <i>Transportation Research Record</i> , 2006, 1987, 128-137.	1.9	49
31	Comparison of real-world vehicle fuel use and tailpipe emissions for gasoline-ethanol fuel blends. <i>Fuel</i> , 2019, 249, 352-364.	6.4	49
32	Comparison of Sensitivity Analysis Methods Based on Applications to a Food Safety Risk Assessment Model. <i>Risk Analysis</i> , 2004, 24, 573-585.	2.7	48
33	Quantification of Variability and Uncertainty in Air Pollutant Emission Inventories: Method and Case Study for Utility NO _x Emissions. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 1083-1095.	1.9	46
34	Link-Based Emission Factors for Heavy-Duty Diesel Trucks Based on Real-World Data. <i>Transportation Research Record</i> , 2008, 2058, 23-32.	1.9	46
35	Effects of Errors on Vehicle Emission Rates from Portable Emissions Measurement Systems. <i>Transportation Research Record</i> , 2013, 2340, 10-19.	1.9	46
36	Characterization of Real-World Activity, Fuel Use, and Emissions for Selected Motor Graders Fueled with Petroleum Diesel and B20 Biodiesel. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 1274-1287.	1.9	45

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37	Development and Use of Emissions Inventories for Construction Vehicles. <i>Transportation Research Record</i> , 2009, 2123, 46-53.	1.9	45
38	Probabilistic Analysis of Driving Cycle-Based Highway Vehicle Emission Factors. <i>Environmental Science & Technology</i> , 2002, 36, 5184-5191.	10.0	41
39	Analysis of coupled model uncertainties in source-to-dose modeling of human exposures to ambient air pollution: A PM _{2.5} case study. <i>Atmospheric Environment</i> , 2009, 43, 1641-1649.	4.1	41
40	Road Grade Measurement Using In-Vehicle, Stand-Alone GPS with Barometric Altimeter. <i>Journal of Transportation Engineering</i> , 2013, 139, 605-611.	0.9	40
41	Speed- and Facility-Specific Emission Estimates for On-Road Light-Duty Vehicles on the Basis of Real-World Speed Profiles. <i>Transportation Research Record</i> , 2006, 1987, 128-137.	1.9	40
42	Air Emission Inventories in North America: A Critical Assessment. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 1115-1129.	1.9	37
43	Development of a modal emissions model for a hybrid electric vehicle. <i>Transportation Research, Part D: Transport and Environment</i> , 2011, 16, 444-450.	6.8	37
44	Variability in Light-Duty Gasoline Vehicle Emission Factors from Trip-Based Real-World Measurements. <i>Environmental Science & Technology</i> , 2015, 49, 12525-12534.	10.0	37
45	Integrated Environmental Control Modeling of Coal-Fired Power Systems. <i>Journal of the Air and Waste Management Association</i> , 1997, 47, 1180-1188.	1.9	35
46	Comparison of Flexible Fuel Vehicle and Life-Cycle Fuel Consumption and Emissions of Selected Pollutants and Greenhouse Gases for Ethanol 85 Versus Gasoline. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 912-924.	1.9	35
47	Combined effects of increased O ₃ and reduced NO ₂ concentrations on short-term air pollution health risks in Hong Kong. <i>Environmental Pollution</i> , 2021, 270, 116280.	7.5	35
48	Characterization and Simulation of Uncertain Frequency Distributions: Effects of Distribution Choice, Variability, Uncertainty, and Parameter Dependence. <i>Human and Ecological Risk Assessment (HERA)</i> , 1998, 4, 423-468.	3.4	34
49	PRAISE-HK: A personalized real-time air quality informatics system for citizen participation in exposure and health risk management. <i>Sustainable Cities and Society</i> , 2020, 54, 101986.	10.4	34
50	Evaluation of Representativeness of Site-Specific Fuel-Based Vehicle Emission Factors for Route Average Emissions. <i>Environmental Science & Technology</i> , 2012, 46, 6867-6873.	10.0	32
51	In-Use Measurement of Activity, Energy Use, and Emissions of a Plug-in Hybrid Electric Vehicle. <i>Environmental Science & Technology</i> , 2011, 45, 9044-9051.	10.0	31
52	The Need for a Tighter Particulate-Matter Air-Quality Standard. <i>New England Journal of Medicine</i> , 2020, 383, 680-683.	27.0	29
53	Factors affecting variability in PM _{2.5} exposure concentrations in a metro system. <i>Environmental Research</i> , 2018, 160, 20-26.	7.5	28
54	Quantification of Variability and Uncertainty for Censored Data Sets and Application to Air Toxic Emission Factors. <i>Risk Analysis</i> , 2004, 24, 1019-1034.	2.7	27

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55	Evaluation and recommendation of sensitivity analysis methods for application to Stochastic Human Exposure and Dose Simulation models. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2006, 16, 491-506.	3.9	27
56	Probabilistic Exposure Analysis for Chemical Risk Characterization. <i>Toxicological Sciences</i> , 2009, 109, 4-17.	3.1	27
57	Life Cycle Inventory Energy Consumption and Emissions for Biodiesel versus Petroleum Diesel Fueled Construction Vehicles. <i>Environmental Science & Technology</i> , 2009, 43, 6398-6405.	10.0	27
58	Assessing Effects of Operational Efficiency on Pollutant Emissions of Nonroad Diesel Construction Equipment. <i>Transportation Research Record</i> , 2011, 2233, 11-18.	1.9	27
59	Quantification of Variability and Uncertainty for Air Toxic Emission Inventories with Censored Emission Factor Data. <i>Environmental Science & Technology</i> , 2004, 38, 6094-6100.	10.0	26
60	Recommended Practice Regarding Selection of Sensitivity Analysis Methods Applied to Microbial Food Safety Process Risk Models. <i>Human and Ecological Risk Assessment (HERA)</i> , 2005, 11, 591-605.	3.4	26
61	Simplified Performance Model of Gas Turbine Combined Cycle Systems. <i>Journal of Energy Engineering - ASCE</i> , 2007, 133, 82-90.	1.9	26
62	In-use measurement of the activity, fuel use, and emissions of eight cement mixer trucks operated on each of petroleum diesel and soy-based B20 biodiesel. <i>Transportation Research, Part D: Transport and Environment</i> , 2009, 14, 585-592.	6.8	24
63	Comparison of Real-World Fuel Use and Emissions for Dump Trucks Fueled with B20 Biodiesel Versus Petroleum Diesel. <i>Transportation Research Record</i> , 2006, 1987, 110-117.	1.9	24
64	Comparison of Fine Particulate Matter and Carbon Monoxide Exposure Concentrations for Selected Transportation Modes. <i>Transportation Research Record</i> , 2014, 2428, 54-62.	1.9	23
65	Evaluation of Response Time of a Portable System for In-Use Vehicle Tailpipe Emissions Measurement. <i>Environmental Science & Technology</i> , 2008, 42, 221-227.	10.0	22
66	In-use activity, fuel use, and emissions of heavy-duty diesel roll-off refuse trucks. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 306-323.	1.9	22
67	Methods for Quantifying Variability and Uncertainty in AP-42 Emission Factors: Case Studies for Natural Gas-Fueled Engines. <i>Journal of the Air and Waste Management Association</i> , 2003, 53, 1436-1447.	1.9	21
68	Methodology for Estimating Emissions Inventories for Commercial Building Projects. <i>Journal of Architectural Engineering</i> , 2012, 18, 251-260.	1.6	21
69	In-use measurement of the activity, fuel use, and emissions of front-loader refuse trucks. <i>Atmospheric Environment</i> , 2014, 92, 557-565.	4.1	21
70	Simplified Method for Comparing Emissions in Roundabouts and at Signalized Intersections. <i>Transportation Research Record</i> , 2015, 2517, 48-60.	1.9	21
71	Real-world activity, fuel use, and emissions of diesel side-loader refuse trucks. <i>Atmospheric Environment</i> , 2016, 129, 98-104.	4.1	21
72	Probabilistic Nonroad Mobile Source Emission Factors. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 162-168.	1.4	20

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73	Quantification of Variability and Uncertainty Using Mixture Distributions: Evaluation of Sample Size, Mixing Weights, and Separation Between Components. <i>Risk Analysis</i> , 2004, 24, 553-571.	2.7	20
74	Quantitative Analysis of Variability and Uncertainty with Known Measurement Error: Methodology and Case Study. <i>Risk Analysis</i> , 2005, 25, 663-675.	2.7	20
75	Regional On-Road Vehicle Running Emissions Modeling and Evaluation for Conventional and Alternative Vehicle Technologies. <i>Environmental Science & Technology</i> , 2009, 43, 8449-8455.	10.0	20
76	Evaluation of On-Site Fuel Use and Emissions over the Duration of a Commercial Building Project. <i>Journal of Infrastructure Systems</i> , 2012, 18, 119-129.	1.8	20
77	Potential for metro rail energy savings and emissions reduction via eco-driving. <i>Applied Energy</i> , 2020, 268, 114944.	10.1	20
78	Variability in Measured Real-World Operational Energy Use and Emission Rates of a Plug-In Hybrid Electric Vehicle. <i>Energies</i> , 2020, 13, 1140.	3.1	20
79	Synthesizing optimal flowsheets: applications to IGCC system environmental control. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 1927-1936.	3.7	19
80	Real-world fuel use and gaseous emission rates for flex fuel vehicles operated on E85 versus gasoline. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 235-254.	1.9	19
81	Sequential Measurement of Intermodal Variability in Public Transportation PM _{2.5} and CO Exposure Concentrations. <i>Environmental Science & Technology</i> , 2016, 50, 8760-8769.	10.0	18
82	Integration of coal utilization and environmental control in integrated gasification combined cycle systems. <i>Environmental Science & Technology</i> , 1992, 26, 1982-1990.	10.0	17
83	Application of AIMSUN Microsimulation Model to Estimate Emissions on Signalized Arterial Corridors. <i>Transportation Research Record</i> , 2014, 2428, 75-86.	1.9	17
84	Method for In-Use Measurement and Evaluation of the Activity, Fuel Use, Electricity Use, and Emissions of a Plug-In Hybrid Diesel-Electric School Bus. <i>Environmental Science & Technology</i> , 2010, 44, 3601-3607.	10.0	16
85	Modeling of in-vehicle human exposure to ambient fine particulate matter. <i>Atmospheric Environment</i> , 2011, 45, 4745-4752.	4.1	16
86	Comparing exposure metrics for the effects of fine particulate matter on emergency hospital admissions. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2013, 23, 627-636.	3.9	16
87	Comparison of Sources of Variability in School Age Children Exposure to Ambient PM _{2.5} . <i>Environmental Science & Technology</i> , 2015, 49, 1511-1520.	10.0	16
88	Quantification of Variability and Uncertainty in Lawn and Garden Equipment NO _x and Total Hydrocarbon Emission Factors. <i>Journal of the Air and Waste Management Association</i> , 2002, 52, 435-448.	1.9	15
89	Effects of Engine Idling on National Ambient Air Quality Standards Criteria Pollutant Emissions from Nonroad Diesel Construction Equipment. <i>Transportation Research Record</i> , 2012, 2270, 67-75.	1.9	15
90	Effect of Biodiesel Fuels on Real-World Emissions of Passenger Locomotives. <i>Environmental Science & Technology</i> , 2016, 50, 12030-12039.	10.0	15

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91	Time series analysis of personal exposure to ambient air pollution and mortality using an exposure simulator. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 483-488.	3.9	14
92	Engine and Duty Cycle Variability in Diesel Construction Equipment Emissions. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 261-268.	1.4	14
93	Integrated Environmental Assessment, Part I Estimating Emissions. <i>Journal of Industrial Ecology</i> , 2003, 7, 9-11.	5.5	13
94	Comparison of Real-World Fuel use and Emissions for Dump Trucks Fueled with B20 Biodiesel versus Petroleum Diesel. <i>Transportation Research Record</i> , 2006, 1987, 110-117.	1.9	13
95	Real-World Energy Use and Emission Rates for Idling Long-Haul Trucks and Selected Idle Reduction Technologies. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 857-864.	1.9	13
96	Geographic differences in inter-individual variability of human exposure to fine particulate matter. <i>Atmospheric Environment</i> , 2011, 45, 5684-5691.	4.1	13
97	Real-World Measurement and Evaluation of Duty Cycles, Fuels, and Emission Control Technologies of Heavy-Duty Trucks. <i>Transportation Research Record</i> , 2012, 2270, 180-187.	1.9	13
98	Real-world activity, fuel use, and emissions of heavy-duty compressed natural gas refuse trucks. <i>Science of the Total Environment</i> , 2021, 761, 143323.	8.0	13
99	Factors affecting variability in infiltration of ambient particle and gaseous pollutants into home at urban environment. <i>Building and Environment</i> , 2021, 206, 108351.	6.9	13
100	Light duty gasoline vehicle emission factors at high transient and constant speeds for short road segments. <i>Transportation Research, Part D: Transport and Environment</i> , 2009, 14, 610-614.	6.8	12
101	Comparison of Over-the-Rail and Rail Yard Measurements of Diesel Locomotives. <i>Environmental Science & Technology</i> , 2015, 49, 13031-13039.	10.0	12
102	Development of Probabilistic Emission Inventories of Air Toxics for Jacksonville, Florida. <i>Journal of the Air and Waste Management Association</i> , 2004, 54, 1405-1421.	1.9	11
103	Assessment of Inter-Individual, Geographic, and Seasonal Variability in Estimated Human Exposure to Fine Particles. <i>Environmental Science & Technology</i> , 2012, 46, 12519-12526.	10.0	11
104	Method for Measuring the Ratio of In-Vehicle to Near-Vehicle Exposure Concentrations of Airborne Fine Particles. <i>Transportation Research Record</i> , 2013, 2341, 34-42.	1.9	11
105	Evaluation of Light-Duty Gasoline Vehicle Rated Fuel Economy Based on In-Use Measurements. <i>Transportation Research Record</i> , 2016, 2570, 21-29.	1.9	11
106	Title is missing!. <i>Risk Analysis</i> , 1999, 19, 109-130.	2.7	10
107	Measurement and Evaluation of Real-World Speed and Acceleration Activity Envelopes for Light-Duty Vehicles. <i>Transportation Research Record</i> , 2015, 2503, 128-136.	1.9	10
108	Comparison of Vehicle-Specific Fuel Use and Emissions Models Based on Externally and Internally Observable Activity Data. <i>Transportation Research Record</i> , 2016, 2570, 30-38.	1.9	10

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109	Air Pollution at College Football Games: Developing a Methodology for Measuring Air Pollutant Exposure in a Sport Event Microenvironment. <i>Event Management</i> , 2019, 23, 399-412.	1.1	10
110	Indoor Exposure to Ambient Particles and Its Estimation Using Fixed Site Monitors. <i>Environmental Science & Technology</i> , 2019, 53, 808-819.	10.0	10
111	Portable Emission Measurement System for Emissions of Passenger Rail Locomotives. <i>Transportation Research Record</i> , 2012, 2289, 56-63.	1.9	9
112	Comparison of Locomotive Emissions Measured during Dynamometer versus Rail Yard Engine Load Tests. <i>Transportation Research Record</i> , 2013, 2341, 23-33.	1.9	9
113	Geospatial Variation of Real-World Tailpipe Emission Rates for Light-Duty Gasoline Vehicles. <i>Environmental Science & Technology</i> , 2020, 54, 8968-8979.	10.0	9
114	Factors affecting variability in fossil-fueled transit bus emission rates. <i>Atmospheric Environment</i> , 2020, 233, 117613.	4.1	9
115	Optimization under Variability and Uncertainty: A Case Study for NO _x Emissions Control for a Gasification System. <i>Environmental Science & Technology</i> , 2004, 38, 6741-6747.	10.0	8
116	Uncertainty for Data with Non-Detects: Air Toxic Emissions from Combustion. <i>Human and Ecological Risk Assessment (HERA)</i> , 2006, 12, 1171-1191.	3.4	8
117	Effects of Idle Reduction Technologies on Real World Fuel Use and Exhaust Emissions of Idling Long-Haul Trucks. <i>Environmental Science & Technology</i> , 2009, 43, 6875-6881.	10.0	8
118	Estimating Diesel Vehicle Emission Factors at Constant and High Speeds for Short Road Segments. <i>Transportation Research Record</i> , 2010, 2158, 19-27.	1.9	8
119	Highway Vehicle Emissions Avoided by Diesel Passenger Rail Service Based on Real-World Data. <i>Urban Rail Transit</i> , 2016, 2, 153-171.	1.8	8
120	Quantification of Energy Saving Potential for A Passenger Train Based on Inter-Run Variability in Speed Trajectories. <i>Transportation Research Record</i> , 2019, 2673, 153-165.	1.9	8
121	Quantification of Sources of Variability of Air Pollutant Exposure Concentrations among Selected Transportation Microenvironments. <i>Transportation Research Record</i> , 2020, 2674, 395-411.	1.9	8
122	Quantification of Hourly Variability in NO _x Emissions for Baseload Coal-Fired Power Plants. <i>Journal of the Air and Waste Management Association</i> , 2003, 53, 1401-1411.	1.9	7
123	Effect of Light Duty Vehicle Performance on a Driving Style Metric. <i>Transportation Research Record</i> , 2018, 2672, 67-78.	1.9	7
124	Evaluation of the Precision and Accuracy of Cycle-Average Light Duty Gasoline Vehicles Tailpipe Emission Rates Predicted by Modal Models. <i>Transportation Research Record</i> , 2020, 2674, 566-584.	1.9	7
125	Application of Classification and Regression Trees for Sensitivity Analysis of the Escherichia coli O157:H7 Food Safety Process Risk Model. <i>Journal of Food Protection</i> , 2006, 69, 609-618.	1.7	6
126	Methodology for characterization of long-haul truck idling activity under real-world conditions. <i>Transportation Research, Part D: Transport and Environment</i> , 2008, 13, 516-523.	6.8	6

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127	Evaluation of Sampling-Based Methods for Sensitivity Analysis: Case Study for the E. coli Food Safety Process Risk Model. <i>Human and Ecological Risk Assessment (HERA)</i> , 2006, 12, 1128-1152.	3.4	5
128	Assessment of Interindividual and Geographic Variability in Human Exposure to Fine Particulate Matter in Environmental Tobacco Smoke. <i>Risk Analysis</i> , 2011, 31, 578-591.	2.7	5
129	Method for Modeling Driving Cycles, Fuel Use, and Emissions for Over Snow Vehicles. <i>Environmental Science & Technology</i> , 2014, 48, 8258-8265.	10.0	5
130	Trends in on-road transportation, energy, and emissions. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 1015-1024.	1.9	5
131	Sensitivity of light duty vehicle tailpipe emission rates from simplified portable emission measurement systems to variation in engine volumetric efficiency. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 1127-1147.	1.9	5
132	Characterization of real-world activity, fuel use, and emissions for selected motor graders fueled with petroleum diesel and B20 biodiesel. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 1274-87.	1.9	5
133	Propagation of Uncertainty in Hourly Utility NOx Emissions through a Photochemical Grid Air Quality Model: A Case Study for the Charlotte, NC, Modeling Domain. <i>Environmental Science & Technology</i> , 2004, 38, 2153-2160.	10.0	4
134	Dose-Response Models are Conditional on Determination of Causality. <i>Risk Analysis</i> , 2016, 36, 1751-1754.	2.7	4
135	Real-World Freeway and Ramp Activity and Emissions for Light-Duty Gasoline Vehicles. <i>Transportation Research Record</i> , 2017, 2627, 17-25.	1.9	4
136	COST-EFFECTIVE EMISSION CONTROLS FOR COAL-FIRED POWER PLANTS. <i>Chemical Engineering Communications</i> , 1988, 74, 155-167.	2.6	3
137	Estimating In-Vehicle Concentration of and Exposure to Fine Particulate Matter. <i>Transportation Research Record</i> , 2010, 2158, 105-112.	1.9	3
138	Intermodal comparison of tailpipe emission rates between transit buses and private vehicles for on-road passenger transport. <i>Atmospheric Environment</i> , 2022, 281, 119141.	4.1	3
139	Modeling and Evaluation of Externally Fired Combined Cycle Using Aspen. <i>Journal of Energy Engineering - ASCE</i> , 1997, 123, 69-87.	1.9	2
140	Modeling of Human Exposure to In-Vehicle PM2.5 from Environmental Tobacco Smoke. <i>Human and Ecological Risk Assessment (HERA)</i> , 2012, 18, 608-626.	3.4	2
141	Effect of Air-Conditioning on Light Duty Gasoline Vehicles Fuel Economy. <i>Transportation Research Record</i> , 2019, 2673, 131-141.	1.9	2
142	Characterizing Fuel Use and Emission Hotspots for a Diesel-Operated Passenger Rail Service. <i>Environmental Science & Technology</i> , 2021, 55, 10633-10644.	10.0	2
143	Multi-scale evaluation of diesel commuter rail fuel use, emissions, and eco-driving. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 99, 102995.	6.8	2
144	Assessment of the Effect of Population and Diary Sampling Methods on Estimation of School-Age Children Exposure to Fine Particles. <i>Risk Analysis</i> , 2014, 34, 2066-2079.	2.7	1

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145	Modeling of In-vehicle PM(2.5) Exposure Using the Stochastic Human Exposure and Dose Simulation Model. Annual Meeting & Exhibition Proceedings CD-ROM, 2009, 2, 1087-1100.	0.0	1
146	What is uncertainty analysis and how can it be performed?. Toxicology Letters, 2008, 180, S3.	0.8	0
147	Real-World Energy Use and Emission Rates for Idling Long-Haul Trucks and. Journal of the Air and Waste Management Association, 2009, 59, 1-31.	1.9	0
148	A Risk-based Assessment And Management Framework For Multipollutant Air Quality. Annual Meeting & Exhibition Proceedings CD-ROM, 2009, 2, 1068-1080.	0.0	0
149	Evaluation of the Modeling of Exposure to Environmental Tobacco Smoke (ETS) in the SHEDS-PM Model. Annual Meeting & Exhibition Proceedings CD-ROM, 2009, 2009, .	0.0	0