

H Christopher Frey

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

147
papers

4,177
citations

36
h-index

58
g-index

150
ext. papers

4,742
ext. citations

5.3
avg, IF

5.92
L-index

#	Paper	IF	Citations
147	Identification and Review of Sensitivity Analysis Methods. <i>Risk Analysis</i> , 2002 , 22, 553-578	3.9	490
146	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	2.4	161
145	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, 2483-9	10.3	145
144	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	5.3	144
143	A vehicle-specific power approach to speed- and facility-specific emissions estimates for diesel transit buses. <i>Environmental Science & Technology</i> , 2008 , 42, 7985-91	10.3	142
142	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	6.4	113
141	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, 1033-46	2.4	82
140	A review of factors impacting exposure to PM2.5, ultrafine particles and black carbon in Asian transport microenvironments. <i>Atmospheric Environment</i> , 2018 , 187, 301-316	5.3	80
139	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	6.4	74
138	Comprehensive Field Study of Fuel Use and Emissions of Nonroad Diesel Construction Equipment. <i>Transportation Research Record</i> , 2010 , 2158, 69-76	1.7	74
137	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	5.3	72
136	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	4.9	69
135	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	4.2	63
134	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	6.4	59
133	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, 777-88	2.4	59
132	Trends in onroad transportation energy and emissions. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 514-563	2.4	57
131	Methods for Characterizing Variability and Uncertainty: Comparison of Bootstrap Simulation and Likelihood-Based Approaches. <i>Risk Analysis</i> , 1999 , 19, 109-130	3.9	57

130	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	6.4	56
129	Characterization of PM exposure concentration in transport microenvironments using portable monitors. <i>Environmental Pollution</i> , 2017 , 228, 433-442	9.3	54
128	Vehicle-specific emissions modeling based upon on-road measurements. <i>Environmental Science & Technology</i> , 2010 , 44, 3594-600	10.3	51
127	Effect of Arterial Signalization and Level of Service on Measured Vehicle Emissions. <i>Transportation Research Record</i> , 2003 , 1842, 47-56	1.7	51
126	Improved system integration for integrated gasification combined cycle (IGCC) systems. <i>Environmental Science & Technology</i> , 2006 , 40, 1693-9	10.3	49
125	Sensitivity analysis of a two-dimensional probabilistic risk assessment model using analysis of variance. <i>Risk Analysis</i> , 2005 , 25, 1511-29	3.9	45
124	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	1.7	43
123	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	1.7	43
122	Comparison of sensitivity analysis methods based on applications to a food safety risk assessment model. <i>Risk Analysis</i> , 2004 , 24, 573-85	3.9	43
121	Identification and review of sensitivity analysis methods. <i>Risk Analysis</i> , 2002 , 22, 553-78	3.9	43
120	Dynamics of coarse and fine particle exposure in transport microenvironments. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	41
119	Field Procedures for Real-World Measurements of Emissions from Diesel Construction Vehicles. <i>Journal of Infrastructure Systems</i> , 2010 , 16, 216-225	2.9	41
118	Development and Use of Emissions Inventories for Construction Vehicles. <i>Transportation Research Record</i> , 2009 , 2123, 46-53	1.7	41
117	Link-Based Emission Factors for Heavy-Duty Diesel Trucks Based on Real-World Data. <i>Transportation Research Record</i> , 2008 , 2058, 23-32	1.7	40
116	Quantification of highway vehicle emissions hot spots based upon on-board measurements. <i>Journal of the Air and Waste Management Association</i> , 2004 , 54, 130-40	2.4	40
115	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	10.2	40
114	Effects of Errors on Vehicle Emission Rates from Portable Emissions Measurement Systems. <i>Transportation Research Record</i> , 2013 , 2340, 10-19	1.7	39
113	Quantification of variability and uncertainty in air pollutant emission inventories: method and case study for utility NOx emissions. <i>Journal of the Air and Waste Management Association</i> , 2002 , 52, 1083-95	2.4	37

112	Comparison of real-world vehicle fuel use and tailpipe emissions for gasoline-ethanol fuel blends. <i>Fuel</i> , 2019 , 249, 352-364	7.1	36
111	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	5.3	36
110	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	2.4	36
109	Speed- and Facility-Specific Emission Estimates for On-Road Light-Duty Vehicles on the Basis of Real-World Speed Profiles		36
108	Probabilistic analysis of during cycle-based highway vehicle emission factors. <i>Environmental Science & Technology</i> , 2002 , 36, 5184-91	10.3	34
107	Variability in Light-Duty Gasoline Vehicle Emission Factors from Trip-Based Real-World Measurements. <i>Environmental Science & Technology</i> , 2015 , 49, 12525-34	10.3	31
106	Road Grade Measurement Using In-Vehicle, Stand-Alone GPS with Barometric Altimeter. <i>Journal of Transportation Engineering</i> , 2013 , 139, 605-611		31
105	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, 912-24	2.4	31
104	Air emission inventories in North America: a critical assessment. <i>Journal of the Air and Waste Management Association</i> , 2006 , 56, 1115-29	2.4	30
103	Integrated Environmental Control Modeling of Coal-Fired Power Systems. <i>Journal of the Air and Waste Management Association</i> , 1997 , 47, 1180-1188	2.4	28
102	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	4.9	28
101	Development of a modal emissions model for a hybrid electric vehicle. <i>Transportation Research, Part D: Transport and Environment</i> , 2011 , 16, 444-450	6.4	27
100	Evaluation of representativeness of site-specific fuel-based vehicle emission factors for route average emissions. <i>Environmental Science & Technology</i> , 2012 , 46, 6867-73	10.3	26
99	Quantification of variability and uncertainty for air toxic emission inventories with censored emission factor data. <i>Environmental Science & Technology</i> , 2004 , 38, 6094-100	10.3	26
98	Assessing Effects of Operational Efficiency on Pollutant Emissions of Nonroad Diesel Construction Equipment. <i>Transportation Research Record</i> , 2011 , 2233, 11-18	1.7	25
97	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	4.9	25
96	Quantification of variability and uncertainty for censored data sets and application to air toxic emission factors. <i>Risk Analysis</i> , 2004 , 24, 1019-34	3.9	24
95	In-use measurement of activity, energy use, and emissions of a plug-in hybrid electric vehicle. <i>Environmental Science & Technology</i> , 2011 , 45, 9044-51	10.3	23

94	Probabilistic exposure analysis for chemical risk characterization. <i>Toxicological Sciences</i> , 2009 , 109, 4-17	4.4	23
93	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	6.4	23
92	Life cycle inventory energy consumption and emissions for biodiesel versus petroleum diesel fueled construction vehicles. <i>Environmental Science & Technology</i> , 2009 , 43, 6398-405	10.3	22
91	Comparison of Real-World Fuel use and Emissions for Dump Trucks Fueled with B20 Biodiesel versus Petroleum Diesel		21
90	In-use measurement of the activity, fuel use, and emissions of front-loader refuse trucks. <i>Atmospheric Environment</i> , 2014 , 92, 557-565	5.3	20
89	Comparison of Fine Particulate Matter and Carbon Monoxide Exposure Concentrations for Selected Transportation Modes. <i>Transportation Research Record</i> , 2014 , 2428, 54-62	1.7	20
88	Simplified Performance Model of Gas Turbine Combined Cycle Systems. <i>Journal of Energy Engineering - ASCE</i> , 2007 , 133, 82-90	1.7	20
87	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	6.7	20
86	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	10.1	18
85	Factors affecting variability in PM exposure concentrations in a metro system. <i>Environmental Research</i> , 2018 , 160, 20-26	7.9	17
84	Simplified Method for Comparing Emissions in Roundabouts and at Signalized Intersections. <i>Transportation Research Record</i> , 2015 , 2517, 48-60	1.7	17
83	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, 306-23	2.4	16
82	The Need for a Tighter Particulate-Matter Air-Quality Standard. <i>New England Journal of Medicine</i> , 2020 , 383, 680-683	59.2	16
81	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, 3601-7	10.3	16
80	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	2.9	16
79	Methodology for Estimating Emissions Inventories for Commercial Building Projects. <i>Journal of Architectural Engineering</i> , 2012 , 18, 251-260	1.5	16
78	Evaluation of response time of a portable system for in-use vehicle tailpipe emissions measurement. <i>Environmental Science & Technology</i> , 2008 , 42, 221-7	10.3	16
77	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, 1436-47	2.4	16

76	Synthesizing optimal flowsheets: applications to IGCC system environmental control. <i>Industrial & Engineering Chemistry Research</i> , 1992 , 31, 1927-1936	3.9	16
75	Probabilistic Nonroad Mobile Source Emission Factors. <i>Journal of Environmental Engineering, ASCE</i> , 2003 , 129, 162-168	2	15
74	Integration of coal utilization and environmental control in integrated gasification combined cycle systems. <i>Environmental Science & Technology</i> , 1992 , 26, 1982-1990	10.3	15
73	Sequential Measurement of Intermodal Variability in Public Transportation PM _{2.5} and CO Exposure Concentrations. <i>Environmental Science & Technology</i> , 2016 , 50, 8760-9	10.3	14
72	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, 627-36	6.7	14
71	Quantitative analysis of variability and uncertainty with known measurement error: methodology and case study. <i>Risk Analysis</i> , 2005 , 25, 663-75	3.9	14
70	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, 435-48	2.4	14
69	Comparison of sources of variability in school age children exposure to ambient PM _{2.5} . <i>Environmental Science & Technology</i> , 2015 , 49, 1511-20	10.3	13
68	Real-world activity, fuel use, and emissions of diesel side-loader refuse trucks. <i>Atmospheric Environment</i> , 2016 , 129, 98-104	5.3	13
67	Application of AIMSUN Microsimulation Model to Estimate Emissions on Signalized Arterial Corridors. <i>Transportation Research Record</i> , 2014 , 2428, 75-86	1.7	13
66	Modeling Of In-Vehicle Human Exposure to Ambient Fine Particulate Matter. <i>Atmospheric Environment</i> , 2011 , 45, 4745-4752	5.3	13
65	Regional on-road vehicle running emissions modeling and evaluation for conventional and alternative vehicle technologies. <i>Environmental Science & Technology</i> , 2009 , 43, 8449-55	10.3	13
64	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	1.7	13
63	Quantification of variability and uncertainty using mixture distributions: evaluation of sample size, mixing weights, and separation between components. <i>Risk Analysis</i> , 2004 , 24, 553-71	3.9	13
62	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	2.4	13
61	Geographic differences in inter-individual variability of human exposure to fine particulate matter. <i>Atmospheric Environment</i> , 2011 , 45, 5684-5691	5.3	12
60	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	12
59	Combined effects of increased O ₃ and reduced NO _x concentrations on short-term air pollution health risks in Hong Kong. <i>Environmental Pollution</i> , 2021 , 270, 116280	9.3	12

58	Comparison of Over-the-Rail and Rail Yard Measurements of Diesel Locomotives. <i>Environmental Science & Technology</i> , 2015 , 49, 13031-9	10.3	11
57	Effect of Biodiesel Fuels on Real-World Emissions of Passenger Locomotives. <i>Environmental Science & Technology</i> , 2016 , 50, 12030-12039	10.3	11
56	Development of probabilistic emission inventories of air toxics for Jacksonville, Florida, USA. <i>Journal of the Air and Waste Management Association</i> , 2004 , 54, 1405-21	2.4	11
55	Assessment of inter-individual, geographic, and seasonal variability in estimated human exposure to fine particles. <i>Environmental Science & Technology</i> , 2012 , 46, 12519-26	10.3	10
54	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, 857-64	2.4	10
53	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, 483-8	6.7	10
52	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	1.7	10
51	Integrated Environmental Assessment, Part I Estimating Emissions. <i>Journal of Industrial Ecology</i> , 2003 , 7, 9-11	7.2	10
50	Evaluation of Light-Duty Gasoline Vehicle Rated Fuel Economy Based on In-Use Measurements. <i>Transportation Research Record</i> , 2016 , 2570, 21-29	1.7	9
49	Measurement and Evaluation of Real-World Speed and Acceleration Activity Envelopes for Light-Duty Vehicles. <i>Transportation Research Record</i> , 2015 , 2503, 128-136	1.7	9
48	Engine and Duty Cycle Variability in Diesel Construction Equipment Emissions. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 261-268	2	9
47	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	1.7	9
46	Potential for metro rail energy savings and emissions reduction via eco-driving. <i>Applied Energy</i> , 2020 , 268, 114944	10.7	8
45	Portable Emission Measurement System for Emissions of Passenger Rail Locomotives. <i>Transportation Research Record</i> , 2012 , 2289, 56-63	1.7	8
44	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	1.7	8
43	Uncertainty for Data with Non-Detects: Air Toxic Emissions from Combustion. <i>Human and Ecological Risk Assessment (HERA)</i> , 2006 , 12, 1171-1191	4.9	8
42	. <i>Risk Analysis</i> , 1999 , 19, 109-130	3.9	8
41	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	1.7	7

40	Comparison of Locomotive Emissions Measured during Dynamometer versus Rail Yard Engine Load Tests. <i>Transportation Research Record</i> , 2013 , 2341, 23-33	1.7	7
39	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, 6875-81	10.3	7
38	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	1.7	7
37	Factors affecting variability in fossil-fueled transit bus emission rates. <i>Atmospheric Environment</i> , 2020 , 233, 117613	5.3	6
36	Estimating Diesel Vehicle Emission Factors at Constant and High Speeds for Short Road Segments. <i>Transportation Research Record</i> , 2010 , 2158, 19-27	1.7	6
35	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	6.4	6
34	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, 609-18	2.5	6
33	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, 1401-11	2.4	6
32	Indoor Exposure to Ambient Particles and Its Estimation Using Fixed Site Monitors. <i>Environmental Science & Technology</i> , 2019 , 53, 808-819	10.3	6
31	Effect of Light Duty Vehicle Performance on a Driving Style Metric. <i>Transportation Research Record</i> , 2018 , 2672, 67-78	1.7	6
30	Highway Vehicle Emissions Avoided by Diesel Passenger Rail Service Based on Real-World Data. <i>Urban Rail Transit</i> , 2016 , 2, 153-171	1.5	5
29	Method for modeling driving cycles, fuel use, and emissions for over snow vehicles. <i>Environmental Science & Technology</i> , 2014 , 48, 8258-65	10.3	5
28	Assessment of interindividual and geographic variability in human exposure to fine particulate matter in environmental tobacco smoke. <i>Risk Analysis</i> , 2011 , 31, 578-91	3.9	5
27	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	6.4	5
26	Optimization under variability and uncertainty: a case study for NOx emissions control for a gasification system. <i>Environmental Science & Technology</i> , 2004 , 38, 6741-7	10.3	5
25	Geospatial Variation of Real-World Tailpipe Emission Rates for Light-Duty Gasoline Vehicles. <i>Environmental Science & Technology</i> , 2020 , 54, 8968-8979	10.3	5
24	Trends in on-road transportation, energy, and emissions. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 1015-1024	2.4	4
23	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	0.8	4

22	Real-World Freeway and Ramp Activity and Emissions for Light-Duty Gasoline Vehicles. <i>Transportation Research Record</i> , 2017 , 2627, 17-25	1.7	4
21	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, 2153-60	10.3	4
20	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	1.7	4
19	Dose-Response Models are Conditional on Determination of Causality. <i>Risk Analysis</i> , 2016 , 36, 1751-4	3.9	4
18	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	4.9	3
17	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	2.4	3
16	Effect of Air-Conditioning on Light Duty Gasoline Vehicles Fuel Economy. <i>Transportation Research Record</i> , 2019 , 2673, 131-141	1.7	2
15	Estimating In-Vehicle Concentration of and Exposure to Fine Particulate Matter: Near-Roadway Ambient Air Quality and Variability in Vehicle Operation. <i>Transportation Research Record</i> , 2010 , 2158, 105-112	1.7	2
14	COST-EFFECTIVE EMISSION CONTROLS FOR COAL-FIRED POWER PLANTS. <i>Chemical Engineering Communications</i> , 1988 , 74, 155-167	2.2	2
13	Quantification of Sources of Variability of Air Pollutant Exposure Concentrations among Selected Transportation Microenvironments. <i>Transportation Research Record</i> , 2020 , 2674, 395-411	1.7	2
12	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	2.4	2
11	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	10.2	2
10	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, 2066-79	3.9	1
9	Modeling and Evaluation of Externally Fired Combined Cycle Using Aspen. <i>Journal of Energy Engineering - ASCE</i> , 1997 , 123, 69-87	1.7	1
8	Modeling of In-vehicle PM(2.5) Exposure Using the Stochastic Human Exposure and Dose Simulation Model 2009 , 2, 1087-1100		1
7	Characterizing Fuel Use and Emission Hotspots for a Diesel-Operated Passenger Rail Service. <i>Environmental Science & Technology</i> , 2021 , 55, 10633-10644	10.3	1
6	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	6.4	1
5	Factors affecting variability in infiltration of ambient particle and gaseous pollutants into home at urban environment. <i>Building and Environment</i> , 2021 , 206, 108351	6.5	1

4	MODELING OF HUMAN EXPOSURE TO IN-VEHICLE PM(2.5) FROM ENVIRONMENTAL TOBACCO SMOKE. <i>Human and Ecological Risk Assessment (HERA)</i> , 2012 , 18, 608-626	4.9	○
3	Intermodal comparison of tailpipe emission rates between transit buses and private vehicles for on-road passenger transport. <i>Atmospheric Environment</i> , 2022 , 281, 119141	5.3	○
2	Real-World Energy Use and Emission Rates for Idling Long-Haul Trucks and. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 1-31	2.4	
1	A Risk-based Assessment And Management Framework For Multipollutant Air Quality 2009 , 2, 1068-1080		