

Ye Wu

List of Publications by Year in Descending Order

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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.

120
papers

7,468
citations

48
h-index

85
g-index

127
ext. papers

8,776
ext. citations

7.8
avg. IF

5.95
L-index

#	Paper	IF	Citations
120	High-resolution mapping of regional traffic emissions using land-use machine learning models. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1939-1950	6.8	1
119	Variability of fuel consumption and CO2 emissions of a gasoline passenger car under multiple in-laboratory and on-road testing conditions. <i>Journal of Environmental Sciences</i> , 2022 ,	6.4	2
118	Emission mitigation potential from coordinated charging schemes for future private electric vehicles. <i>Applied Energy</i> , 2022 , 308, 118385	10.7	1
117	Uncertainty investigation of plume-chasing method for measuring on-road NOx emission factors of heavy-duty diesel vehicles. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127372	12.8	1
116	A data-driven method of traffic emissions mapping with land use random forest models. <i>Applied Energy</i> , 2022 , 305, 117916	10.7	6
115	Characterizing spatial variations of city-wide elevated PM and PM concentrations using taxi-based mobile monitoring.. <i>Science of the Total Environment</i> , 2022 , 829, 154478	10.2	1
114	Comprehensive characterization of polycyclic aromatic hydrocarbon emissions from heavy-duty diesel vehicles utilizing GC GC-ToF-MS.. <i>Science of the Total Environment</i> , 2022 , 155127	10.2	1
113	Comprehensive chemical characterization of gaseous I/SVOC emissions from heavy-duty diesel vehicles using two-dimensional gas chromatography time-of-flight mass spectrometry.. <i>Environmental Pollution</i> , 2022 , 119284	9.3	0
112	Real-time black carbon emissions from light-duty passenger vehicles using a portable emissions measurement system. <i>Engineering</i> , 2021 ,	9.7	2
111	Mitigation potential of black carbon emissions from on-road vehicles in China. <i>Environmental Pollution</i> , 2021 , 278, 116746	9.3	5
110	From COVID-19 to future electrification: Assessing traffic impacts on air quality by a machine-learning model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	13
109	Characterizing start emissions of gasoline vehicles and the seasonal, diurnal and spatial variabilities in China. <i>Atmospheric Environment</i> , 2021 , 245, 118040	5.3	5
108	Asia Pacific road transportation emissions, 1900-2050. <i>Faraday Discussions</i> , 2021 , 226, 53-73	3.6	0
107	Switching on auxiliary devices in vehicular fuel efficiency tests can help cut CO2 emissions by millions of tons. <i>One Earth</i> , 2021 , 4, 135-145	8.1	3
106	Air quality improvement via modal shift: Assessment of rail-water-port integrated system planning in Shenzhen, China. <i>Science of the Total Environment</i> , 2021 , 791, 148158	10.2	1
105	Evaluating mobile monitoring of on-road emission factors by comparing concurrent PEMS measurements. <i>Science of the Total Environment</i> , 2020 , 736, 139507	10.2	10
104	On-board monitoring (OBM) for heavy-duty vehicle emissions in China: Regulations, early-stage evaluation and policy recommendations. <i>Science of the Total Environment</i> , 2020 , 731, 139045	10.2	12

103	Air quality and health impacts from using ethanol blended gasoline fuels in China. <i>Atmospheric Environment</i> , 2020 , 228, 117396	5.3	8
102	Progress of Air Pollution Control in China and Its Challenges and Opportunities in the Ecological Civilization Era. <i>Engineering</i> , 2020 , 6, 1423-1431	9.7	82
101	On-road emission measurements of reactive nitrogen compounds from heavy-duty diesel trucks in China. <i>Environmental Pollution</i> , 2020 , 262, 114280	9.3	55
100	Well-to-wheels total energy and GHG emissions of HCNG heavy-duty vehicles in China: Case of EEV qualified EURO 5 emissions scenario. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 8002-8014	6.7	9
99	Real-world fuel consumption of light-duty passenger vehicles using on-board diagnostic (OBD) systems. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	12
98	Mapping dynamic road emissions for a megacity by using open-access traffic congestion index data. <i>Applied Energy</i> , 2020 , 260, 114357	10.7	20
97	Well-to-wheels greenhouse gas and air pollutant emissions from battery electric vehicles in China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2020 , 25, 355-370	3.9	14
96	Health benefits of on-road transportation pollution control programs in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25370-25377	11.5	13
95	Four-Month Changes in Air Quality during and after the COVID-19 Lockdown in Six Megacities in China. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 802-808	11	52
94	Cradle-to-gate greenhouse gas (GHG) burdens for aluminum and steel production and cradle-to-grave GHG benefits of vehicle lightweighting in China. <i>Resources, Conservation and Recycling</i> , 2020 , 152, 104497	11.9	16
93	Potential emission reductions by converting agricultural residue biomass to synthetic fuels for vehicles and domestic cooking in China. <i>Particuology</i> , 2020 , 49, 40-47	2.8	4
92	Transition in source contributions of PM exposure and associated premature mortality in China during 2005-2015. <i>Environment International</i> , 2019 , 132, 105111	12.9	54
91	On-highway vehicle emission factors, and spatial patterns, based on mobile monitoring and absolute principal component score. <i>Science of the Total Environment</i> , 2019 , 676, 242-251	10.2	16
90	Real-world driving cycles and energy consumption informed by large-sized vehicle trajectory data. <i>Journal of Cleaner Production</i> , 2019 , 223, 564-574	10.3	38
89	Economic and Climate Benefits of Electric Vehicles in China, the United States, and Germany. <i>Environmental Science & Technology</i> , 2019 , 53, 11013-11022	10.3	17
88	Assessment of ethanol blended fuels for gasoline vehicles in China: Fuel economy, regulated gaseous pollutants and particulate matter. <i>Environmental Pollution</i> , 2019 , 253, 731-740	9.3	24
87	High-resolution mapping of vehicle emissions of atmospheric pollutants based on large-scale, real-world traffic datasets. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8831-8843	6.8	48
86	Black carbon pollution for a major road in Beijing: Implications for policy interventions of the heavy-duty truck fleet. <i>Transportation Research, Part D: Transport and Environment</i> , 2019 , 68, 110-121	6.4	14

85	Air quality and health benefits from fleet electrification in China. <i>Nature Sustainability</i> , 2019 , 2, 962-971	22.1	73
84	Real-world gaseous emissions of high-mileage taxi fleets in China. <i>Science of the Total Environment</i> , 2019 , 659, 267-274	10.2	17
83	Measurement of particulate polycyclic aromatic hydrocarbon emissions from gasoline light-duty passenger vehicles. <i>Journal of Cleaner Production</i> , 2018 , 185, 797-804	10.3	12
82	Well-to-wheel GHG emissions and mitigation potential from light-duty vehicles in Macau. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 1916-1927	4.6	4
81	How ethanol and gasoline formula changes evaporative emissions of the vehicles. <i>Applied Energy</i> , 2018 , 222, 584-594	10.7	26
80	On-Road Chemical Transformation as an Important Mechanism of NO Formation. <i>Environmental Science & Technology</i> , 2018 , 52, 4574-4582	10.3	18
79	Evaluating real-world emissions of light-duty gasoline vehicles with deactivated three-way catalyst converters. <i>Atmospheric Pollution Research</i> , 2018 , 9, 126-132	4.5	24
78	Energy consumption and well-to-wheels air pollutant emissions of battery electric buses under complex operating conditions and implications on fleet electrification. <i>Journal of Cleaner Production</i> , 2018 , 171, 714-722	10.3	34
77	Energy-saving benefits from plug-in hybrid electric vehicles: perspectives based on real-world measurements. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018 , 23, 735-756	3.9	11
76	The impact from the direct injection and multi-port fuel injection technologies for gasoline vehicles on solid particle number and black carbon emissions. <i>Applied Energy</i> , 2018 , 226, 819-826	10.7	28
75	Fine-grained vehicle emission management using intelligent transportation system data. <i>Environmental Pollution</i> , 2018 , 241, 1027-1037	9.3	49
74	Could urban electric public bus really reduce the GHG emissions: A case study in Macau?. <i>Journal of Cleaner Production</i> , 2018 , 172, 2133-2142	10.3	26
73	Assessing the Future Vehicle Fleet Electrification: The Impacts on Regional and Urban Air Quality. <i>Environmental Science & Technology</i> , 2017 , 51, 1007-1016	10.3	49
72	Well-to-wheels energy consumption and emissions of electric vehicles: Mid-term implications from real-world features and air pollution control progress. <i>Applied Energy</i> , 2017 , 188, 367-377	10.7	122
71	Characteristics of black carbon emissions from in-use light-duty passenger vehicles. <i>Environmental Pollution</i> , 2017 , 231, 348-356	9.3	28
70	Bufe Huoxue Capsule Attenuates PM2.5-Induced Pulmonary Inflammation in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017 , 2017, 1575793	2.3	16
69	Characterizing particulate polycyclic aromatic hydrocarbon emissions from diesel vehicles using a portable emissions measurement system. <i>Scientific Reports</i> , 2017 , 7, 10058	4.9	36
68	On-road vehicle emissions and their control in China: A review and outlook. <i>Science of the Total Environment</i> , 2017 , 574, 332-349	10.2	278

67	City-specific vehicle emission control strategies to achieve stringent emission reduction targets in China's Yangtze River Delta region. <i>Journal of Environmental Sciences</i> , 2017 , 51, 75-87	6.4	28
66	Investigating Real-World Emissions of China's Heavy-Duty Diesel Trucks: Can SCR Effectively Mitigate NOx Emissions for Highway Trucks?. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 2585-2594	4.6	19
65	Individual trip chain distributions for passenger cars: Implications for market acceptance of battery electric vehicles and energy consumption by plug-in hybrid electric vehicles. <i>Applied Energy</i> , 2016 , 180, 650-660	10.7	49
64	Modeling real-world fuel consumption and carbon dioxide emissions with high resolution for light-duty passenger vehicles in a traffic populated city. <i>Energy</i> , 2016 , 113, 461-471	7.9	22
63	Evaluating real-world CO and NO emissions for public transit buses using a remote wireless on-board diagnostic (OBD) approach. <i>Environmental Pollution</i> , 2016 , 218, 453-462	9.3	27
62	Joint measurements of black carbon and particle mass for heavy-duty diesel vehicles using a portable emission measurement system. <i>Atmospheric Environment</i> , 2016 , 141, 435-442	5.3	23
61	High-resolution simulation of link-level vehicle emissions and concentrations for air pollutants in a traffic-populated eastern Asian city. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9965-9981	6.8	36
60	Real-world performance of battery electric buses and their life-cycle benefits with respect to energy consumption and carbon dioxide emissions. <i>Energy</i> , 2016 , 96, 603-613	7.9	121
59	Assessment of vehicle emission programs in China during 1998-2013: Achievement, challenges and implications. <i>Environmental Pollution</i> , 2016 , 214, 556-567	9.3	127
58	Can propulsion and fuel diversity for the bus fleet achieve the win-win strategy of energy conservation and environmental protection?. <i>Applied Energy</i> , 2015 , 147, 92-103	10.7	60
57	Environmental Justice Aspects of Exposure to PM2.5 Emissions from Electric Vehicle Use in China. <i>Environmental Science & Technology</i> , 2015 , 49, 13912-20	10.3	33
56	Characteristics of On-road Diesel Vehicles: Black Carbon Emissions in Chinese Cities Based on Portable Emissions Measurement. <i>Environmental Science & Technology</i> , 2015 , 49, 13492-500	10.3	44
55	Real-world emissions and fuel consumption of diesel buses and trucks in Macao: From on-road measurement to policy implications. <i>Atmospheric Environment</i> , 2015 , 120, 393-403	5.3	40
54	Experimental Assessment of NOx Emissions from 73 Euro 6 Diesel Passenger Cars. <i>Environmental Science & Technology</i> , 2015 , 49, 14409-15	10.3	67
53	VOC from Vehicular Evaporation Emissions: Status and Control Strategy. <i>Environmental Science & Technology</i> , 2015 , 49, 14424-31	10.3	60
52	Mass concentrations and temporal profiles of PM10, PM2.5 and PM1 near major urban roads in Beijing. <i>Frontiers of Environmental Science and Engineering</i> , 2015 , 9, 675-684	5.8	8
51	on-board measurement of gaseous emissions and fuel consumption for two hybrid electric vehicles in Macao. <i>Atmospheric Pollution Research</i> , 2015 , 6, 858-866	4.5	28
50	Fuel quality management versus vehicle emission control in China, status quo and future perspectives. <i>Energy Policy</i> , 2015 , 79, 87-98	7.2	39

49	Updated emission inventories for speciated atmospheric mercury from anthropogenic sources in China. <i>Environmental Science & Technology</i> , 2015 , 49, 3185-94	10.3	285
48	Characterization and source apportionment of particulate PAHs in the roadside environment in Beijing. <i>Science of the Total Environment</i> , 2014 , 470-471, 76-83	10.2	82
47	Real-world fuel consumption and CO ₂ emissions of urban public buses in Beijing. <i>Applied Energy</i> , 2014 , 113, 1645-1655	10.7	145
46	Historic and future trends of vehicle emissions in Beijing, 1998-2020: A policy assessment for the most stringent vehicle emission control program in China. <i>Atmospheric Environment</i> , 2014 , 89, 216-229	5.3	125
45	Evaluating the emission status of light-duty gasoline vehicles and motorcycles in Macao with real-world remote sensing measurement. <i>Journal of Environmental Sciences</i> , 2014 , 26, 2240-8	6.4	27
44	Seasonal and spatial variation of trace elements in multi-size airborne particulate matters of Beijing, China: Mass concentration, enrichment characteristics, source apportionment, chemical speciation and bioavailability. <i>Atmospheric Environment</i> , 2014 , 99, 257-265	5.3	88
43	Can Euro V heavy-duty diesel engines, diesel hybrid and alternative fuel technologies mitigate NO _x emissions? New evidence from on-road tests of buses in China. <i>Applied Energy</i> , 2014 , 132, 118-126	10.7	80
42	Real-world fuel consumption and CO ₂ (carbon dioxide) emissions by driving conditions for light-duty passenger vehicles in China. <i>Energy</i> , 2014 , 69, 247-257	7.9	115
41	Chemical characterization of roadside PM _{2.5} and black carbon in Macao during a summer campaign. <i>Atmospheric Pollution Research</i> , 2014 , 5, 381-387	4.5	19
40	Black carbon at a roadside site in Beijing: Temporal variations and relationships with carbon monoxide and particle number size distribution. <i>Atmospheric Environment</i> , 2013 , 77, 213-221	5.3	48
39	Speciation of mercury in FGD gypsum and mercury emission during the wallboard production in China. <i>Fuel</i> , 2013 , 111, 621-627	7.1	46
38	Historical evaluation of vehicle emission control in Guangzhou based on a multi-year emission inventory. <i>Atmospheric Environment</i> , 2013 , 76, 32-42	5.3	56
37	Emission controls and changes in air quality in Guangzhou during the Asian Games. <i>Atmospheric Environment</i> , 2013 , 76, 81-93	5.3	69
36	Impacts of temporary traffic control measures on vehicular emissions during the Asian games in Guangzhou, China. <i>Journal of the Air and Waste Management Association</i> , 2013 , 63, 11-9	2.4	26
35	Chemical characteristics of size-resolved PM ₁₀ at a roadside environment in Beijing, China. <i>Environmental Pollution</i> , 2012 , 161, 215-21	9.3	72
34	On-road diesel vehicle emission factors for nitrogen oxides and black carbon in two Chinese cities. <i>Atmospheric Environment</i> , 2012 , 46, 45-55	5.3	97
33	Intake fraction of PM _{2.5} and NO _x from vehicle emissions in Beijing based on personal exposure data. <i>Atmospheric Environment</i> , 2012 , 57, 233-243	5.3	51
32	Real-world fuel efficiency and exhaust emissions of light-duty diesel vehicles and their correlation with road conditions. <i>Journal of Environmental Sciences</i> , 2012 , 24, 865-74	6.4	70

31	Electric vehicles in China: emissions and health impacts. <i>Environmental Science & Technology</i> , 2012 , 46, 2018-24	10.3	149
30	Energy consumption and CO2 emission impacts of vehicle electrification in three developed regions of China. <i>Energy Policy</i> , 2012 , 48, 537-550	7.2	132
29	Impact of gasoline engine deposits on light duty vehicle emissions: in-use case study in Beijing, China. <i>Frontiers of Environmental Science and Engineering</i> , 2012 , 6, 717-724	5.8	3
28	IMPACTS OF AMBIENT TEMPERATURE AND PRESSURE ON PM2.5 EMISSION PROFILES OF LIGHT-DUTY DIESEL VEHICLES. <i>International Journal of Nanoscience</i> , 2012 , 11, 1240037	0.6	
27	On-road emission factor distributions of individual diesel vehicles in and around Beijing, China. <i>Atmospheric Environment</i> , 2011 , 45, 503-513	5.3	98
26	Estimating the effects of meteorology on PM2.5 reduction during the 2008 Summer Olympic Games in Beijing, China. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011 , 5, 331-341		27
25	On-road vehicle emission control in Beijing: past, present, and future. <i>Environmental Science & Technology</i> , 2011 , 45, 147-53	10.3	143
24	Lean Oxygen Gum Simulation Test for Gasoline Detergency and its Correlation with M111 Engine Test 2010 ,		1
23	Quantifying the air pollutants emission reduction during the 2008 Olympic games in Beijing. <i>Environmental Science & Technology</i> , 2010 , 44, 2490-6	10.3	287
22	The impact of transportation control measures on emission reductions during the 2008 Olympic Games in Beijing, China. <i>Atmospheric Environment</i> , 2010 , 44, 285-293	5.3	173
21	Total versus urban: Well-to-wheels assessment of criteria pollutant emissions from various vehicle/fuel systems. <i>Atmospheric Environment</i> , 2009 , 43, 1796-1804	5.3	64
20	Evaluating the air quality impacts of the 2008 Beijing Olympic Games: On-road emission factors and black carbon profiles. <i>Atmospheric Environment</i> , 2009 , 43, 4535-4543	5.3	104
19	Projections of global mercury emissions in 2050. <i>Environmental Science & Technology</i> , 2009 , 43, 2983-83	10.3	308
18	Anthropogenic and natural contributions to regional trends in aerosol optical depth, 1980-2006. <i>Journal of Geophysical Research</i> , 2009 , 114,		172
17	Mercury emissions from coal combustion in China 2009 , 51-65		15
16	Mercury emissions from industrial sources in China 2009 , 67-79		12
15	Aerosol trends over China, 1980-2000. <i>Atmospheric Research</i> , 2008 , 88, 174-182	5.4	140
14	Potential energy and greenhouse gas emission effects of hydrogen production from coke oven gas in U.S. steel mills. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1445-1454	6.7	96

13	New stochastic simulation capability applied to the GREET model. <i>International Journal of Life Cycle Assessment</i> , 2008 , 13, 278-285	4.6	13
12	Two-decadal aerosol trends as a likely explanation of the global dimming/brightening transition. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	237
11	Revisiting China's CO emissions after the Transport and Chemical Evolution over the Pacific (TRACE-P) mission: Synthesis of inventories, atmospheric modeling, and observations. <i>Journal of Geophysical Research</i> , 2006 , 111,		245
10	Trends in anthropogenic mercury emissions in China from 1995 to 2003. <i>Environmental Science & Technology</i> , 2006 , 40, 5312-8	10.3	370
9	Well-to-Wheels Results of Energy Use, Greenhouse Gas Emissions, and Criteria Air Pollutant Emissions of Selected Vehicle/Fuel Systems 2006 ,		12
8	Well-to-Wheels Analysis of Energy Use and Greenhouse Gas Emissions of Hydrogen Produced with Nuclear Energy. <i>Nuclear Technology</i> , 2006 , 155, 192-207	1.4	8
7	Energy and emission benefits of alternative transportation liquid fuels derived from switchgrass: a fuel life cycle assessment. <i>Biotechnology Progress</i> , 2006 , 22, 1012-24	2.8	92
6	Anthropogenic mercury emissions in China. <i>Atmospheric Environment</i> , 2005 , 39, 7789-7806	5.3	536
5	Chemical characteristics of airborne particulate matter near major roads and at background locations in Macao, China. <i>Science of the Total Environment</i> , 2003 , 317, 159-72	10.2	36
4	Vertical and horizontal profiles of airborne particulate matter near major roads in Macao, China. <i>Atmospheric Environment</i> , 2002 , 36, 4907-4918	5.3	87
3	Source contributions to ambient concentrations of CO and NOX in the urban area of Beijing. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001 , 36, 215-28	2.3	41
2	A study of the emission and concentration distribution of vehicular pollutants in the urban area of Beijing. <i>Atmospheric Environment</i> , 2000 , 34, 453-465	5.3	118
1	Mobile Measurements of Carbonaceous Aerosol in Microenvironments to Discern Contributions from Traffic and Solid Fuel Burning. <i>Environmental Science and Technology Letters</i> ,	11	3