Tami Bond

List of Articles by Year
in descending order

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88 peer-reviewed articles	14,904 peer-reviewed citations	58895 45 peer-reviewed h-index	91548 6.26 score
99 documents	16265 doc citations	61181 48 h-index	19954 citing authors

#	Article	IF	Citations
1	A critical review of heat pump adoption in empirical and modeling literature. IScience, 2025, 28, 111666.	2.4	16
2	Predictability of time-resolved cross-envelope pressures driving natural infiltration in low-rise residential buildings. Indoor environments, 2025, 2, 100106.	1.2	0
3	A novel representation of time-resolved particle emissions from pyrolyzing wood. Biomass and Bioenergy, 2024, 183, 107054.	4.8	0
4	Constraining Present-Day Anthropogenic Total Iron Emissions Using Model and Observations. Journal of Geophysical Research D: Atmospheres, 2024, 129, .	2.1	7
5	Moving the needle on home health: Reconceptualizing social problems in a multi-stakeholder system. Indoor environments, 2024, 1, 100060.	1.2	0
6	Chemically distinct particle-phase emissions from highly controlled pyrolysis of three wood types. Atmospheric Chemistry and Physics, 2023, 23, 8837-8854.	3.0	7
7	Earth, Wind, Fire, and Pollution: Aerosol Nutrient Sources and Impacts on Ocean Biogeochemistry. Annual Review of Marine Science, 2022, 14, 303-330.	12.2	128
8	Future PM2.5 emissions from metal production to meet renewable energy demand. Environmental Research Letters, 2022, 17, 044043.	2.8	9
9	Atmospheric Radiative and Oceanic Biological Productivity Responses to Increasing Anthropogenic Combustion-Iron Emission in the 1850–2010 Period. Geophysical Research Letters, 2022, 49, .	2.9	5
10	Emissions Measurements from Household Solid Fuel Use in Haryana, India: Implications for Climate and Health Co-benefits. Environmental Science & Technology, 2021, 55, 3201-3209.	8.5	16
11	Quantifying Proximity, Confinement, and Interventions in Disease Outbreaks: A Decision Support Framework for Air-Transported Pathogens. Environmental Science & Technology, 2021, 55, 2890-2898.	8.5	22
12	Effect of discrepancies caused by model resolution on model-measurement comparison for surface black carbon. Atmospheric Environment, 2021, 247, 118178.	2.8	1
13	Personal exposure to PM2.5 of indoor and outdoor origin in two neighboring Chinese communities with contrasting household fuel use patterns. Science of the Total Environment, 2021, 800, 149421.	5.6	20
14	Recent (1980 to 2015) Trends and Variability in Daily-to-Interannual Soluble Iron Deposition from Dust, Fire, and Anthropogenic Sources. Geophysical Research Letters, 2020, 47, .	2.9	56
15	A Mineralogy-Based Anthropogenic Combustion-Iron Emission Inventory. Journal of Geophysical Research D: Atmospheres, 2020, 125, .	2.1	67
16	Prediction of organic aerosol precursor emission from the pyrolysis of thermally thick wood. Fuel, 2020, 269, 117333.	5.8	8
17	Impact of Changes to the Atmospheric Soluble Iron Deposition Flux on Ocean Biogeochemical Cycles in the Anthropocene. Global Biogeochemical Cycles, 2020, 34, .	4.1	97
18	A complete transition to clean household energy can save one–quarter of the healthy life lost to particulate matter pollution exposure in India. Environmental Research Letters, 2020, 15, 094096.	2.8	22

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19	Impacts of household sources on air pollution at village and regional scales in India. Atmospheric Chemistry and Physics, 2019, 19, 7719-7742.	3.0	46
20	Constraining a Historical Black Carbon Emission Inventory of the United States for 1960–2000. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4004-4025.	2.1	9
21	Emission Measurements from Traditional Biomass Cookstoves in South Asia and Tibet. Environmental Science & Technology, 2019, 53, 3306-3314.	8.5	52
22	Field Emission Measurements of Solid Fuel Stoves in Yunnan, China Demonstrate Dominant Causes of Uncertainty in Household Emission Inventories. Environmental Science & Technology, 2019, 53, 3323-3330.	8.5	39
23	Health and climate impacts of future United States land freight modelled with global-to-urban models. Nature Sustainability, 2019, 2, 105-112.	19.8	65
24	Investigating the Linear Dependence of Direct and Indirect Radiative Forcing on Emission of Carbonaceous Aerosols in a Global Climate Model. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1657-1672.	2.1	8
25	Historical (1750–2014) anthropogenic emissions of reactive gases and aerosols from the Community Emissions Data System (CEDS). Geoscientific Model Development, 2018, 11, 369-408.	2.3	1,564
26	Large reductions in urban black carbon concentrations in the United States between 1965 and 2000. Atmospheric Environment, 2017, 151, 17-23.	2.8	26
27	Black carbon emissions in Russia: A critical review. Atmospheric Environment, 2017, 163, 9-21.	2.8	45
28	Modeling emission rates and exposures from outdoor cooking. Atmospheric Environment, 2017, 164, 50-60.	2.8	17
29	Seasonal fuel consumption, stoves, and end-uses in rural households of the far-western development region of Nepal. Environmental Research Letters, 2017, 12, 125011.	2.8	25
30	Plume-exit modeling to determine cloud condensation nuclei activity of aerosols from residential biofuel combustion. Atmospheric Chemistry and Physics, 2017, 17, 9399-9415.	3.0	6
31	Light absorption of organic aerosol from pyrolysis of corn stalk. Atmospheric Environment, 2016, 144, 249-256.	2.8	43
32	Black carbon absorption at the global scale is affected by particle-scale diversity in composition. Nature Communications, 2016, 7, .	10.8	137
33	Emissions from residential combustion considering end-uses and spatial constraints: Part II, emission reduction scenarios. Atmospheric Environment, 2016, 124, 1-11.	2.8	46
34	Emissions from residential combustion considering end-uses and spatial constraints: Part I, methods and spatial distribution. Atmospheric Environment, 2016, 125, 126-139.	2.8	21
35	Black Carbon Emissions from Associated Natural Gas Flaring. Environmental Science & Technology, 2016, 50, 2075-2081.	8.5	70
36	Light Absorption Properties and Radiative Effects of Primary Organic Aerosol Emissions. Environmental Science & Technology, 2015, 49, 4868-4877.	8.5	193

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37	Emission Projections for Long-Haul Freight Trucks and Rail in the United States through 2050. Environmental Science & Technology, 2015, 49, 11569-11576.	8.5	40
38	Effectiveness of Mitigation Measures in Reducing Future Primary Particulate Matter Emissions from On-Road Vehicle Exhaust. Environmental Science & Technology, 2014, 48, 14455-14463.	8.5	10
39	Measuring Organic Carbon and Black Carbon in Rainwater: Evaluation of Methods. Aerosol Science and Technology, 2014, 48, 239-250.	1.6	72
40	Assessment of air pollutant emissions from brick kilns. Atmospheric Environment, 2014, 98, 549-553.	2.8	119
41	Emissions from South Asian Brick Production. Environmental Science & Technology, 2014, 48, 6477-6483.	8.5	116
42	Global emission projections of particulate matter (PM): II. Uncertainty analyses of on-road vehicle exhaust emissions. Atmospheric Environment, 2014, 87, 189-199.	2.8	26
43	When is cloud condensation nuclei activity sensitive to particle characteristics at emission?. Journal of Geophysical Research D: Atmospheres, 2013, 118, .	2.1	17
44	Laboratory-Measured Optical Properties of Inorganic and Organic Aerosols at Relative Humidities up to 95%. Aerosol Science and Technology, 2012, 46, 178-190.	1.6	46
45	Household Light Makes Global Heat: High Black Carbon Emissions From Kerosene Wick Lamps. Environmental Science & Technology, 2012, 46, 13531-13538.	8.5	151
46	Characterizing Biofuel Combustion with Patterns of Real-Time Emission Data (PaRTED). Environmental Science & Technology, 2012, 46, 6110-6117.	8.5	66
47	All-Time Releases of Mercury to the Atmosphere from Human Activities. Environmental Science & Technology, 2011, 45, 10485-10491.	8.5	519
48	Global emission projections of particulate matter (PM): I. Exhaust emissions from on-road vehicles. Atmospheric Environment, 2011, 45, 4830-4844.	2.8	106
49	Evolution of anthropogenic and biomass burning emissions of air pollutants at global and regional scales during the 1980–2010 period. Climatic Change, 2011, 109, 163-190.	2.5	813
50	Compositional characterization of PM2.5 emitted from in-use diesel vehicles. Atmospheric Environment, 2010, 44, 15-22.	2.8	128
51	Attribution of climate forcing to economic sectors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3382-3387.	5.2	244
52	How much can the vertical distribution of black carbon affect its global direct radiative forcing?. Geophysical Research Letters, 2010, 37, .	2.9	148
53	Asian Aerosols: Current and Year 2030 Distributions and Implications to Human Health and Regional Climate Change. Environmental Science & Technology, 2009, 43, 5811-5817.	8.5	163
54	Truncation and Angular-Scattering Corrections for Absorbing Aerosol in the TSI 3563 Nephelometer. Aerosol Science and Technology, 2009, 43, 866-871.	1.6	60

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55	Laboratory and field investigations of particulate and carbon monoxide emissions from traditional and improved cookstoves. Atmospheric Environment, 2009, 43, 1170-1181.	2.8	305
56	Climate-Relevant Properties of Diesel Particulate Emissions: Results from a Piggyback Study in Bangkok, Thailand. Environmental Science & Technology, 2009, 43, 4213-4218.	8.5	57
57	Gas/particle partitioning and global distribution of polycyclic aromatic hydrocarbons – A modelling approach. Chemosphere, 2009, 76, 98-106.	5.0	116
58	A laboratory comparison of the global warming impact of five major types of biomass cooking stoves. Energy for Sustainable Development, 2008, 12, 56-65.	3.6	156
59	Combustion iron distribution and deposition. Global Biogeochemical Cycles, 2008, 22, .	4.1	290
60	Global distribution of atmospheric phosphorus sources, concentrations and deposition rates, and anthropogenic impacts. Global Biogeochemical Cycles, 2008, 22, .	4.1	723
61	Chemical, Microphysical and Optical Properties of Primary Particles from the Combustion of Biomass Fuels. Environmental Science & Technology, 2008, 42, 8829-8834.	8.5	97
62	Revisiting Thermal-Optical Analyses of Carbonaceous Aerosol Using a Physical Model. Aerosol Science and Technology, 2008, 42, 930-948.	1.6	44
63	Can warming particles enter global climate discussions?. Environmental Research Letters, 2007, 2, 045030.	2.8	65
64	Yellow Beads and Missing Particles: Trouble Ahead for Filter-Based Absorption Measurements. Aerosol Science and Technology, 2007, 41, 630-637.	1.6	128
65	Global impacts of aerosols from particular source regions and sectors. Journal of Geophysical Research, 2007, 112, .	3.5	220
66	Global biofuel use, 1850-2000. Global Biogeochemical Cycles, 2007, 21, n/a-n/a.	4.1	125
67	Historical emissions of black and organic carbon aerosol from energy-related combustion, 1850-2000. Global Biogeochemical Cycles, 2007, 21, n/a-n/a.	4.1	774
68	Linking future aerosol radiative forcing to shifts in source activities. Geophysical Research Letters, 2007, 34, .	2.9	35
69	Color of brown carbon: A model for ultraviolet and visible light absorption by organic carbon aerosol. Geophysical Research Letters, 2007, 34, .	2.9	312
70	Emission Factors and Real-Time Optical Properties of Particles Emitted from Traditional Wood Burning Cookstoves. Environmental Science & Technology, 2006, 40, 6750-6757.	8.5	304
71	Limitations in the enhancement of visible light absorption due to mixing state. Journal of Geophysical Research, 2006, 111, .	3.5	586
72	Light Absorption by Carbonaceous Particles: An Investigative Review. Aerosol Science and Technology, 2006, 40, 27-67.	1.6	2,598

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73	Emissions of primary aerosol and precursor gases in the years 2000 and 1750 prescribed data-sets for AeroCom. Atmospheric Chemistry and Physics, 2006, 6, 4321-4344.	3.0	958
74	Aerosol direct radiative effects over the northwest Atlantic, northwest Pacific, and North Indian Oceans: estimates based on in-situ chemical and optical measurements and chemical transport modeling. Atmospheric Chemistry and Physics, 2006, 6, 1657-1732.	3.0	145
75	Climate-relevant properties of primary particulate emissions from oil and natural gas combustion. Atmospheric Environment, 2006, 40, 3574-3587.	2.8	46
76	Export efficiency of black carbon aerosol in continental outflow: Global implications. Journal of Geophysical Research, 2005, 110, .	3.5	186
77	Global atmospheric impacts of residential fuels. Energy for Sustainable Development, 2004, 8, 20-32.	3.6	119
78	A technology-based global inventory of black and organic carbon emissions from combustion. Journal of Geophysical Research, 2004, 109, .	3.5	2,138
79	Carbonaceous aerosols in the industrial era. Eos, 2004, 85, 241.	0.0	20
80	Primary particle emissions from residential coal burning: Optical properties and size distributions. Journal of Geophysical Research, 2002, 107, ICC 9-1-ICC 9-14.	3.5	129
81	Spectral dependence of visible light absorption by carbonaceous particles emitted from coal combustion. Geophysical Research Letters, 2001, 28, 4075-4078.	2.9	331
82	Black carbon emissions in China. Atmospheric Environment, 2001, 35, 4281-4296.	2.8	496
83	Calibration and Intercomparison of Filter-Based Measurements of Visible Light Absorption by Aerosols. Aerosol Science and Technology, 1999, 30, 582-600.	1.6	950
84	Quantifying the emission of light-absorbing particles: Measurements tailored to climate studies. Geophysical Research Letters, 1998, 25, 337-340.	2.9	53
85	A conceptual framework for evaluating cooking systems. Environmental Research Letters, 0, 17, 031002.	2.8	0
86	Emissions from Structure Fires: Overview of BHASMA and Results for CO 2 and Select Pollutants by Fuel, Combustion Mode, and Scale. Environmental Science & Technology, 0, 59, 23926-23937.	8.5	3
87	Exploiting wood species and grain orientation to illuminate the onset of pyrolysis and ignition in deliberate combustion. Fuel, 0, 411, 138025.	5.8	0
88	Calibration in policy design: rethinking targets of energy-efficiency rebates. Policy and Politics, 0, , 1-22.	0.0	0