

# Brett C Singer

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

5,554  
citations

76196

40  
h-index

102304

66  
g-index

79  
all docs

79  
docs citations

79  
times ranked

4524  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measured influence of overhead HVAC on exposure to airborne contaminants from simulated speaking in a meeting and a classroom. <i>Indoor Air</i> , 2022, 32, .	2.0	11
2	Control of airborne infectious disease in buildings: Evidence and research priorities. <i>Indoor Air</i> , 2022, 32, .	2.0	14
3	Investigating the influence of environmental information on perceived indoor environmental quality: An exploratory study. <i>Journal of Building Engineering</i> , 2022, 48, 103933.	1.6	2
4	Indoor air quality in new and renovated low-income apartments with mechanical ventilation and natural gas cooking in California. <i>Indoor Air</i> , 2021, 31, 717-729.	2.0	13
5	Performance assessment of low-cost environmental monitors and single sensors under variable indoor air quality and thermal conditions. <i>Building and Environment</i> , 2021, 187, 107415.	3.0	64
6	Ventilation rates in California classrooms: Why many recent HVAC retrofits are not delivering sufficient ventilation. <i>Building and Environment</i> , 2020, 167, 106426.	3.0	35
7	Interactions and comprehensive effect of indoor environmental quality factors on occupant satisfaction. <i>Building and Environment</i> , 2020, 167, 106462.	3.0	53
8	Post-occupancy evaluation of indoor environmental quality in ten nonresidential buildings in Chongqing, China. <i>Journal of Building Engineering</i> , 2020, 32, 101649.	1.6	14
9	Does vaping affect indoor air quality?. <i>Indoor Air</i> , 2020, 30, 793-794.	2.0	6
10	Factors Impacting Range Hood Use in California Houses and Low-Income Apartments. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8870.	1.2	16
11	Association of residential energy efficiency retrofits with indoor environmental quality, comfort, and health: A review of empirical data. <i>Building and Environment</i> , 2020, 180, 107067.	3.0	43
12	Performance of a CO <sub>2</sub> sorbent for indoor air cleaning applications: Effects of environmental conditions, sorbent aging, and adsorption of co-occurring formaldehyde. <i>Indoor Air</i> , 2020, 30, 1283-1295.	2.0	5
13	Wildfire Smoke Adjustment Factors for Low-Cost and Professional PM2.5 Monitors with Optical Sensors. <i>Sensors</i> , 2020, 20, 3683.	2.1	62
14	Indoor air quality in California homes with code-required mechanical ventilation. <i>Indoor Air</i> , 2020, 30, 885-899.	2.0	32
15	Performance of low-cost indoor air quality monitors for PM2.5 and PM10 from residential sources. <i>Building and Environment</i> , 2020, 171, 106654.	3.0	78
16	The benefit of kitchen exhaust fan use after cooking - An experimental assessment. <i>Building and Environment</i> , 2018, 135, 286-296.	3.0	48
17	Response of consumer and research grade indoor air quality monitors to residential sources of fine particles. <i>Indoor Air</i> , 2018, 28, 624-639.	2.0	87
18	Quantifying fine particle emission events from time-resolved measurements: Method description and application to 18 California low-income apartments. <i>Indoor Air</i> , 2018, 28, 89-101.	2.0	37

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19	Effect of venting range hood flow rate on size-resolved ultrafine particle concentrations from gas stove cooking. <i>Aerosol Science and Technology</i> , 2018, 52, 1370-1381.	1.5	17
20	Measured performance of filtration and ventilation systems for fine and ultrafine particles and ozone in an unoccupied modern California house. <i>Indoor Air</i> , 2017, 27, 780-790.	2.0	29
21	Pollutant concentrations and emission rates from natural gas cooking burners without and with range hood exhaust in nine California homes. <i>Building and Environment</i> , 2017, 122, 215-229.	3.0	97
22	Results of the California Healthy Homes Indoor Air Quality Study of 2011-2013: impact of natural gas appliances on air pollutant concentrations. <i>Indoor Air</i> , 2016, 26, 231-245.	2.0	54
23	A simplified model for estimating population-scale energy impacts of building envelope air tightening and mechanical ventilation retrofits. <i>Journal of Building Performance Simulation</i> , 2016, 9, 1-16.	1.0	7
24	Formaldehyde and acetaldehyde exposure mitigation in US residences: in-home measurements of ventilation control and source control. <i>Indoor Air</i> , 2015, 25, 523-535.	2.0	64
25	Capture efficiency of cooking-related fine and ultrafine particles by residential exhaust hoods. <i>Indoor Air</i> , 2015, 25, 45-58.	2.0	91
26	Indoor air quality in 24 California residences designed as high-performance homes. <i>Science and Technology for the Built Environment</i> , 2015, 21, 14-24.	0.8	33
27	Pollutant Exposures from Natural Gas Cooking Burners: A Simulation-Based Assessment for Southern California. <i>Environmental Health Perspectives</i> , 2014, 122, 43-50.	2.8	81
28	Energy impacts of effective range hood use for all U.S. residential cooking. <i>HVAC and R Research</i> , 2014, 20, 264-275.	0.9	3
29	Air quality impacts of liquefied natural gas in the South Coast Air Basin of California. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 680-690.	2.1	5
30	Calibration of the Ogawa passive ozone sampler for aircraft cabins. <i>Atmospheric Environment</i> , 2013, 65, 21-24.	1.9	7
31	Protocol for maximizing energy savings and indoor environmental quality improvements when retrofitting apartments. <i>Energy and Buildings</i> , 2013, 61, 378-386.	3.1	22
32	Energy impacts of envelope tightening and mechanical ventilation for the U.S. residential sector. <i>Energy and Buildings</i> , 2013, 65, 281-291.	3.1	35
33	Indoor environmental quality benefits of apartment energy retrofits. <i>Building and Environment</i> , 2013, 68, 170-178.	3.0	92
34	Investigation of formaldehyde and acetaldehyde sampling rate and ozone interference for passive deployment of Waters Sep-Pak XPoSure samplers. <i>Atmospheric Environment</i> , 2013, 80, 184-189.	1.9	8
35	A Method to Estimate the Chronic Health Impact of Air Pollutants in U.S. Residences. <i>Environmental Health Perspectives</i> , 2012, 120, 216-222.	2.8	195
36	Performance Assessment of U.S. Residential Cooking Exhaust Hoods. <i>Environmental Science &amp; Technology</i> , 2012, 46, 6167-6173.	4.6	69

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37	Performance of installed cooking exhaust devices. <i>Indoor Air</i> , 2012, 22, 224-234.	2.0	85
38	Infiltration effects on residential pollutant concentrations for continuous and intermittent mechanical ventilation approaches. <i>HVAC and R Research</i> , 2011, 17, 159-173.	0.9	23
39	Hazard assessment of chemical air contaminants measured in residences. <i>Indoor Air</i> , 2011, 21, 92-109.	2.0	194
40	Thirdhand Tobacco Smoke: Emerging Evidence and Arguments for a Multidisciplinary Research Agenda. <i>Environmental Health Perspectives</i> , 2011, 119, 1218-1226.	2.8	355
41	Formation of carcinogens indoors by surface-mediated reactions of nicotine with nitrous acid, leading to potential <i>thirdhand smoke</i> hazards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6576-6581.	3.3	351
42	Indoor pollutants emitted by office equipment: A review of reported data and information needs. <i>Atmospheric Environment</i> , 2008, 42, 1371-1388.	1.9	300
43	Ozone Levels in Passenger Cabins of Commercial Aircraft on North American and Transoceanic Routes. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3938-3943.	4.6	49
44	Evidence of acid–base interactions between amines and model indoor surfaces by ATR-FTIR spectroscopy. <i>Atmospheric Environment</i> , 2007, 41, 3177-3181.	1.9	7
45	Sorption of organic gases in residential rooms. <i>Atmospheric Environment</i> , 2007, 41, 3251-3265.	1.9	73
46	Effect of Ozone on Nicotine Desorption from Model Surfaces: Evidence for Heterogeneous Chemistry. <i>Environmental Science &amp; Technology</i> , 2006, 40, 1799-1805.	4.6	108
47	Indoor Secondary Pollutants from Household Product Emissions in the Presence of Ozone: A Bench-Scale Chamber Study. <i>Environmental Science &amp; Technology</i> , 2006, 40, 4421-4428.	4.6	218
48	Cleaning products and air fresheners: emissions and resulting concentrations of glycol ethers and terpenoids. <i>Indoor Air</i> , 2006, 16, 179-191.	2.0	262
49	Indoor secondary pollutants from cleaning product and air freshener use in the presence of ozone. <i>Atmospheric Environment</i> , 2006, 40, 6696-6710.	1.9	267
50	Indoor Sorption of Surrogates for Sarin and Related Nerve Agents. <i>Environmental Science &amp; Technology</i> , 2005, 39, 3203-3214.	4.6	66
51	Inhalation of hazardous air pollutants from environmental tobacco smoke in US residences. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2004, 14, S71-S77.	1.8	111
52	Short-term emissions deterioration in the California and Phoenix I/M programs. <i>Transportation Research, Part D: Transport and Environment</i> , 2004, 9, 107-124.	3.2	8
53	Passive measurement of nitrogen oxides to assess traffic-related pollutant exposure for the East Bay Children's Respiratory Health Study. <i>Atmospheric Environment</i> , 2004, 38, 393-403.	1.9	61
54	Sorption of organic gases in a furnished room. <i>Atmospheric Environment</i> , 2004, 38, 2483-2494.	1.9	123

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55	Traffic-related Air Pollution near Busy Roads. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 520-526.	2.5	372
56	Gas-phase organics in environmental tobacco smoke: 2. Exposure-relevant emission factors and indirect exposures from habitual smoking. Atmospheric Environment, 2003, 37, 5551-5561.	1.9	113
57	Estimated Emission Reductions from California's Enhanced Smog Check Program. Environmental Science & Technology, 2003, 37, 2588-2595.	4.6	10
58	Gas-Phase Organics in Environmental Tobacco Smoke. 1. Effects of Smoking Rate, Ventilation, and Furnishing Level on Emission Factors. Environmental Science & Technology, 2002, 36, 846-853.	4.6	130
59	A fuel-based inventory of motor vehicle exhaust emissions in the Los Angeles area during summer 1997. Atmospheric Environment, 2000, 34, 1783-1795.	1.9	73
60	A Fuel-Based Approach to Estimating Motor Vehicle Cold-Start Emissions. Journal of the Air and Waste Management Association, 1999, 49, 125-135.	0.9	53
61	Impact of California Reformulated Gasoline on Motor Vehicle Emissions. 2. Volatile Organic Compound Speciation and Reactivity. Environmental Science & Technology, 1999, 33, 329-336.	4.6	109
62	Impact of California Reformulated Gasoline on Motor Vehicle Emissions. 1. Mass Emission Rates. Environmental Science & Technology, 1999, 33, 318-328.	4.6	105
63	Scaling of Infrared Remote Sensor Hydrocarbon Measurements for Motor Vehicle Emission Inventory Calculations. Environmental Science & Technology, 1998, 32, 3241-3248.	4.6	68
64	Impact of Oxygenated Gasoline Use on California Light-Duty Vehicle Emissions. Environmental Science & Technology, 1996, 30, 661-670.	4.6	162
65	A Fuel-Based Motor Vehicle Emission Inventory. Journal of the Air and Waste Management Association, 1996, 46, 581-593.	0.9	87