

# Bin Zhao

## List of Publications by Citations

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148  
papers

7,758  
citations

39  
h-index

86  
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149  
ext. papers

9,479  
ext. citations

5.7  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
148	The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2). <i>Journal of Climate</i> , <b>2017</b> , Volume 30, 5419-5454	4.4	2815
147	Review of relationship between indoor and outdoor particles: I/O ratio, infiltration factor and penetration factor. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 275-288	5.3	558
146	Comparison of indoor aerosol particle concentration and deposition in different ventilated rooms by numerical method. <i>Building and Environment</i> , <b>2004</b> , 39, 1-8	6.5	261
145	Spatiotemporal variations of PM2.5 and PM10 concentrations between 31 Chinese cities and their relationships with SO2, NO2, CO and O3. <i>Particuology</i> , <b>2015</b> , 20, 141-149	2.8	155
144	Particle dispersion and deposition in ventilated rooms: Testing and evaluation of different Eulerian and Lagrangian models. <i>Building and Environment</i> , <b>2008</b> , 43, 388-397	6.5	123
143	Association of the infection probability of COVID-19 with ventilation rates in confined spaces. <i>Building Simulation</i> , <b>2020</b> , 13, 1-7	3.9	119
142	Numerical study of the transport of droplets or particles generated by respiratory system indoors. <i>Building and Environment</i> , <b>2005</b> , 40, 1032-1039	6.5	114
141	Modeling particle deposition from fully developed turbulent flow in ventilation duct. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 457-466	5.3	107
140	Air infiltration rate distributions of residences in Beijing. <i>Building and Environment</i> , <b>2015</b> , 92, 528-537	6.5	106
139	Indoor exposure to "outdoor PM10": assessing its influence on the relationship between PM10 and short-term mortality in U.S. cities. <i>Epidemiology</i> , <b>2012</b> , 23, 870-8	3.1	102
138	Emission Rates of Multiple Air Pollutants Generated from Chinese Residential Cooking. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1081-1087	10.3	100
137	Analysis of the Dynamic Interaction Between SVOCs and Airborne Particles. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 125-136	3.4	100
136	Assessing the influence of indoor exposure to "outdoor ozone" on the relationship between ozone and short-term mortality in U.S. communities. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 235-40	8.4	99
135	Particle deposition in indoor environments: analysis of influencing factors. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 147, 439-48	12.8	93
134	Contribution of outdoor-originating particles, indoor-emitted particles and indoor secondary organic aerosol (SOA) to residential indoor PM2.5 concentration: A model-based estimation. <i>Building and Environment</i> , <b>2015</b> , 90, 196-205	6.5	90
133	A methodology for predicting particle penetration factor through cracks of windows and doors for actual engineering application. <i>Building and Environment</i> , <b>2012</b> , 47, 339-348	6.5	90
132	Modeling of ultrafine particle dispersion in indoor environments with an improved drift flux model. <i>Journal of Aerosol Science</i> , <b>2009</b> , 40, 29-43	4.3	87

131	A simplified system for indoor airflow simulation. <i>Building and Environment</i> , <b>2003</b> , 38, 543-552	6.5	76
130	Occupants' Interactions with windows in 8 residential apartments in Beijing and Nanjing, China. <i>Building Simulation</i> , <b>2016</b> , 9, 221-231	3.9	74
129	Assessment of short-term PM2.5-related mortality due to different emission sources in the Yangtze River Delta, China. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 440-448	5.3	68
128	Window opening behavior of occupants in residential buildings in Beijing. <i>Building and Environment</i> , <b>2017</b> , 124, 441-449	6.5	67
127	Air purifiers: A supplementary measure to remove airborne SARS-CoV-2. <i>Building and Environment</i> , <b>2020</b> , 177, 106918	6.5	65
126	Modeling particle deposition onto rough walls in ventilation duct. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 6918-6927	5.3	65
125	Public health benefits of reducing air pollution in Shanghai: a proof-of-concept methodology with application to BenMAP. <i>Science of the Total Environment</i> , <b>2014</b> , 485-486, 396-405	10.2	61
124	The effectiveness of an air cleaner in controlling droplet/aerosol particle dispersion emitted from a patient's mouth in the indoor environment of dental clinics. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 1105-18	4.1	60
123	Emissions of air pollutants from Chinese cooking: A literature review. <i>Building Simulation</i> , <b>2018</b> , 11, 977-995	3.9	59
122	Measuring the Short-Term Emission Rates of Particles in the Personal Cloud with Different Clothes and Activity Intensities in a Sealed Chamber. <i>Aerosol and Air Quality Research</i> , <b>2013</b> , 13, 911-921	4.6	59
121	Modeled exposure assessment via inhalation and dermal pathways to airborne semivolatile organic compounds (SVOCs) in residences. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5691-9	10.3	58
120	Modifications of exposure to ambient particulate matter: Tackling bias in using ambient concentration as surrogate with particle infiltration factor and ambient exposure factor. <i>Environmental Pollution</i> , <b>2017</b> , 220, 337-347	9.3	53
119	Population inhalation exposure to polycyclic aromatic hydrocarbons and associated lung cancer risk in Beijing region: Contributions of indoor and outdoor sources and exposures. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 472-480	5.3	48
118	Estimating mortality derived from indoor exposure to particles of outdoor origin. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124238	3.7	48
117	Investigating a safe ventilation rate for the prevention of indoor SARS transmission: An attempt based on a simulation approach. <i>Building Simulation</i> , <b>2009</b> , 2, 281-289	3.9	45
116	Numerical analysis of particle deposition in ventilation duct. <i>Building and Environment</i> , <b>2006</b> , 41, 710-718	6.5	44
115	The influence of aerosol dynamics on indoor exposure to airborne DEHP. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 1952-1959	5.3	43
114	Role of two-way airflow owing to temperature difference in severe acute respiratory syndrome transmission: revisiting the largest nosocomial severe acute respiratory syndrome outbreak in Hong Kong. <i>Journal of the Royal Society Interface</i> , <b>2011</b> , 8, 699-710	4.1	42

113	Numerical Investigation of Particle Diffusion in a Clean Room. <i>Indoor and Built Environment</i> , <b>2005</b> , 14, 469-479	1.8	42
112	Investigating the geographical heterogeneity in PM10-mortality associations in the China Air Pollution and Health Effects Study (CAPES): A potential role of indoor exposure to PM10 of outdoor origin. <i>Atmospheric Environment</i> , <b>2013</b> , 75, 217-223	5.3	41
111	Modeling particle dispersion in personalized ventilated room. <i>Building and Environment</i> , <b>2007</b> , 42, 1099-1109	1.9	40
110	Numerical Study of Particle Deposition in Two Differently Ventilated Rooms. <i>Indoor and Built Environment</i> , <b>2004</b> , 13, 443-451	1.8	40
109	Emission characteristics of PM2.5-bound chemicals from residential Chinese cooking. <i>Building and Environment</i> , <b>2019</b> , 149, 623-629	6.5	36
108	Associations of particulate air pollution and daily mortality in 16 Chinese cities: an improved effect estimate after accounting for the indoor exposure to particles of outdoor origin. <i>Environmental Pollution</i> , <b>2013</b> , 182, 278-82	9.3	34
107	The exposure metric choices have significant impact on the association between short-term exposure to outdoor particulate matter and changes in lung function: Findings from a panel study in chronic obstructive pulmonary disease patients. <i>Science of the Total Environment</i> , <b>2016</b> , 542, 264-70	10.2	33
106	Comparison of the predicted concentration of outdoor originated indoor polycyclic aromatic hydrocarbons between a kinetic partition model and a linear instantaneous model for gas/particle partition. <i>Atmospheric Environment</i> , <b>2012</b> , 59, 93-101	5.3	33
105	Accessibility: A New Concept to Evaluate Ventilation Performance in a Finite Period of Time. <i>Indoor and Built Environment</i> , <b>2004</b> , 13, 287-293	1.8	33
104	How Particle Resuspension from Inner Surfaces of Ventilation Ducts Affects Indoor Air Quality? A Modeling Analysis. <i>Aerosol Science and Technology</i> , <b>2011</b> , 45, 996-1009	3.4	32
103	Prediction of transient contaminant dispersion and ventilation performance using the concept of accessibility. <i>Energy and Buildings</i> , <b>2004</b> , 36, 293-299	7	32
102	Numerical study of the effects of trees on outdoor particle concentration distributions. <i>Building Simulation</i> , <b>2014</b> , 7, 417-427	3.9	30
101	How Many Airborne Particles Emitted from a Nurse will Reach the Breathing Zone/Body Surface of the Patient in ISO Class-5 Single-Bed Hospital Protective Environments? A Numerical Analysis. <i>Aerosol Science and Technology</i> , <b>2009</b> , 43, 990-1005	3.4	30
100	A new approach on zonal modeling of indoor environment with mechanical ventilation. <i>Building and Environment</i> , <b>2008</b> , 43, 278-286	6.5	30
99	Numerical analysis of outdoor thermal environment around buildings. <i>Building and Environment</i> , <b>2005</b> , 40, 853-866	6.5	29
98	Reduction in population exposure to PM and cancer risk due to PM-bound PAHs exposure in Beijing, China during the APEC meeting. <i>Environmental Pollution</i> , <b>2017</b> , 225, 338-345	9.3	28
97	Different cardiorespiratory effects of indoor air pollution intervention with ionization air purifier: Findings from a randomized, double-blind crossover study among school children in Beijing. <i>Environmental Pollution</i> , <b>2019</b> , 254, 113054	9.3	27
96	Study on the carbon dioxide lockup phenomenon in aircraft cabin by computational fluid dynamics. <i>Building Simulation</i> , <b>2015</b> , 8, 431-441	3.9	27

95	Comparison of Three Approaches to Model Particle Penetration Coefficient through a Single Straight Crack in a Building Envelope. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 405-416	3.4	27
94	Effect of particle spatial distribution on particle deposition in ventilation rooms. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 170, 449-56	12.8	27
93	Is oil temperature a key factor influencing air pollutant emissions from Chinese cooking?. <i>Atmospheric Environment</i> , <b>2018</b> , 193, 190-197	5.3	27
92	Type-Dependent Responses of Ice Cloud Properties to Aerosols From Satellite Retrievals. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3297-3306	4.9	26
91	An experimental study on short-time particle resuspension from inner surfaces of straight ventilation ducts. <i>Building and Environment</i> , <b>2012</b> , 53, 119-127	6.5	26
90	Different health effects of indoor- and outdoor-originated PM on cardiopulmonary function in COPD patients and healthy elderly adults. <i>Indoor Air</i> , <b>2019</b> , 29, 192-201	5.4	26
89	Personal exposure to ambient PM, PM, O, NO and SO for different populations in 31 Chinese provinces. <i>Environment International</i> , <b>2020</b> , 144, 106018	12.9	24
88	The ventilation needed to control thermal plume and particle dispersion from manikins in a unidirectional ventilated protective isolation room. <i>Building Simulation</i> , <b>2015</b> , 8, 551-565	3.9	23
87	Tracer element for indoor PM <sub>2.5</sub> in China migrated from outdoor. <i>Atmospheric Environment</i> , <b>2018</b> , 176, 171-178	5.3	23
86	Deposition of Indoor Airborne Particles onto Human Body Surfaces: A Modeling Analysis and Manikin-Based Experimental Study. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 1363-1373	3.4	23
85	Person to person droplets transmission characteristics in unidirectional ventilated protective isolation room: The impact of initial droplet size. <i>Building Simulation</i> , <b>2016</b> , 9, 597-606	3.9	23
84	Metabolic linkages between indoor negative air ions, particulate matter and cardiorespiratory function: A randomized, double-blind crossover study among children. <i>Environment International</i> , <b>2020</b> , 138, 105663	12.9	22
83	Preventing the entry of outdoor particles with the indoor positive pressure control method: Analysis of influencing factors and cost. <i>Building and Environment</i> , <b>2011</b> , 46, 1167-1173	6.5	22
82	Estimating indoor semi-volatile organic compounds (SVOCs) associated with settled dust by an integrated kinetic model accounting for aerosol dynamics. <i>Atmospheric Environment</i> , <b>2015</b> , 107, 52-61	5.3	21
81	Developing an Empirical Equation for Modeling Particle Deposition Velocity onto Inclined Surfaces in Indoor Environments. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 1090-1099	3.4	20
80	Assessment of turbulence models and air supply opening models for CFD modelling of airflow and gaseous contaminant distributions in aircraft cabins. <i>Indoor and Built Environment</i> , <b>2018</b> , 27, 606-621	1.8	19
79	Deposition velocity of fine and ultrafine particles onto manikin surfaces in indoor environment of different facial air speeds. <i>Building and Environment</i> , <b>2014</b> , 81, 388-395	6.5	19
78	Impact of energy structure adjustment on air quality: a case study in Beijing, China. <i>Frontiers of Environmental Science and Engineering in China</i> , <b>2011</b> , 5, 378-390		19

77	A Particle Resuspension Model in Ventilation Ducts. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 222-235	3.4	19
76	Effect of ventilation duct as a particle filter. <i>Building and Environment</i> , <b>2007</b> , 42, 2523-2529	6.5	18
75	Simulation and health risk assessment of residential particle pollution by coal combustion in China. <i>Building and Environment</i> , <b>2007</b> , 42, 614-622	6.5	18
74	Using an air purifier as a supplementary protective measure in dental clinics during the coronavirus disease 2019 (COVID-19) pandemic. <i>Infection Control and Hospital Epidemiology</i> , <b>2021</b> , 42, 493	2	18
73	Breathing-rate adjusted population exposure to ozone and its oxidation products in 333 cities in China. <i>Environment International</i> , <b>2020</b> , 138, 105617	12.9	17
72	Impact of two-way air flow due to temperature difference on preventing the entry of outdoor particles using indoor positive pressure control method. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1290-1298	12.8	17
71	Reducing human exposure to PM <sub>2.5</sub> generated while cooking typical Chinese cuisine. <i>Building and Environment</i> , <b>2020</b> , 168, 106522	6.5	17
70	Chemical composition of outdoor and indoor PM collected during haze events: Transformations and modified source contributions resulting from outdoor-to-indoor transport. <i>Indoor Air</i> , <b>2018</b> , 28, 828-839	5.4	17
69	Performance of wearable ionization air cleaners: Ozone emission and particle removal. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 211-221	3.4	16
68	Time-activity pattern observatory from mobile web logs. <i>International Journal of Embedded Systems</i> , <b>2015</b> , 7, 71	0.5	16
67	Emission rates of ultrafine and fine particles generated from human smoking of Chinese cigarettes. <i>Atmospheric Environment</i> , <b>2018</b> , 194, 7-13	5.3	16
66	Size-dependent efficiencies of ultrafine particle removal of various filter media. <i>Building and Environment</i> , <b>2019</b> , 160, 106171	6.5	15
65	Revised air-exchange efficiency considering occupant distribution in ventilated rooms. <i>Journal of the Air and Waste Management Association</i> , <b>2003</b> , 53, 759-63	2.4	15
64	Determining ventilation strategy to defend indoor environment against contamination by integrated accessibility of contaminant source (IACS). <i>Building and Environment</i> , <b>2004</b> , 39, 1035-1042	6.5	14
63	A modified Brownian force for ultrafine particle penetration through building crack modeling. <i>Atmospheric Environment</i> , <b>2017</b> , 170, 143-148	5.3	13
62	Effective removal of particles down to 15 nm using scalable metal-organic framework-based nanofiber filters. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100653	6.6	13
61	State-space analysis of influencing factors on airborne particle concentration in aircraft cabins. <i>Building and Environment</i> , <b>2014</b> , 74, 13-21	6.5	12
60	Potential reductions in premature mortality attributable to PM by reducing indoor pollution: A model analysis for Beijing-Tianjin-Hebei of China. <i>Environmental Pollution</i> , <b>2019</b> , 245, 260-271	9.3	12

59	Effect of residential air cleaning interventions on risk of cancer associated with indoor semi-volatile organic compounds: a comprehensive simulation study. <i>Lancet Planetary Health, The</i> , <b>2018</b> , 2, e532-e539 <sup>9.8</sup>	12
58	Emissions of Phthalates from Indoor Flat Materials in Chinese Residences. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13166-13173	10.3 12
57	Relationship between indoor and outdoor NO <sub>2</sub> : A review. <i>Building and Environment</i> , <b>2020</b> , 180, 106909	6.5 11
56	A simple method for differentiating direct and indirect exposure to exhaled contaminants in mechanically ventilated rooms. <i>Building Simulation</i> , <b>2018</b> , 11, 1039-1051	3.9 11
55	Research on Flow Resistance Characteristics with Different Window/Door Opening Angles. <i>HVAC and R Research</i> , <b>2010</b> , 16, 813-824	11
54	Modeling particle fate in ventilation systemPart I: Model development. <i>Building and Environment</i> , <b>2009</b> , 44, 605-611	6.5 11
53	A simplified methodology for the prediction of mean air velocity and particle concentration in isolation rooms with downward ventilation systems. <i>Building and Environment</i> , <b>2010</b> , 45, 1847-1853	6.5 11
52	Analysis of intervention strategies for inhalation exposure to polycyclic aromatic hydrocarbons and associated lung cancer risk based on a Monte Carlo population exposure assessment model. <i>PLoS ONE</i> , <b>2014</b> , 9, e85676	3.7 11
51	Is there a timelier solution to air pollution in today's cities?. <i>Lancet Planetary Health, The</i> , <b>2018</b> , 2, e240	9.8 11
50	Surface removal rate of ozone in residences in China. <i>Building and Environment</i> , <b>2018</b> , 142, 101-106	6.5 10
49	A simplified method for assessing particle deposition rate in aircraft cabins. <i>Atmospheric Environment</i> , <b>2013</b> , 67, 80-84	5.3 10
48	Factors affecting occupants' Interactions with windows in residential buildings in Beijing, China. <i>Procedia Engineering</i> , <b>2017</b> , 205, 3428-3434	9
47	Lagrangian Stochastic Particle Tracking: Further Discussion. <i>Aerosol Science and Technology</i> , <b>2011</b> , 45, 901-902	3.4 9
46	Six-day measurement of size-resolved indoor fluorescent bioaerosols of outdoor origin in an office. <i>Particuology</i> , <b>2017</b> , 31, 161-169	2.8 8
45	SOA in newly decorated residential buildings. <i>Building and Environment</i> , <b>2017</b> , 111, 132-139	6.5 8
44	Cooking generated particles' Impact on indoor air quality of university cafeteria. <i>Building Simulation</i> , <b>2010</b> , 3, 15-23	3.9 8
43	Numerical Investigation on the Influence of Contaminant Source Location, Occupant Distribution and Air Distribution on Emergency Ventilation Strategy. <i>Indoor and Built Environment</i> , <b>2005</b> , 14, 455-467 <sup>1.8</sup>	8
42	Outdoor-to-indoor transport of ultrafine particles: Measurement and model development of infiltration factor. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115402	9.3 8

41	A wind tunnel study on the effect of trees on PM distribution around buildings. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 346, 36-41	12.8	8
40	Health benefits and cost of using air purifiers to reduce exposure to ambient fine particulate pollution in China. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 414, 125540	12.8	8
39	Measurement of natural ventilation rate of residences in Beijing, China. <i>Procedia Engineering</i> , <b>2017</b> , 205, 3435-3440		7
38	Perceived Particle Intensity: An Indicator to Evaluate Indoor Particle Pollution. <i>Indoor and Built Environment</i> , <b>2006</b> , 15, 155-164	1.8	7
37	Indoor sources strongly contribute to exposure of Chinese urban residents to PM and NO. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 127829	12.8	7
36	Measurement of ozone deposition velocity onto human surfaces of Chinese residents and estimation of corresponding production of oxidation products. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115215	9.3	7
35	A comparative study of the effects of ventilation-purification strategies on air quality and energy consumption in Beijing, China. <i>Building Simulation</i> , <b>2021</b> , 14, 813-825	3.9	7
34	Estimation of the contribution of secondary organic aerosol to PM2.0 concentration in aircraft cabins. <i>Building and Environment</i> , <b>2014</b> , 82, 267-273	6.5	6
33	Particulate pollution in ventilated space: analysis of influencing factors. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 163, 454-62	12.8	6
32	Air Supply Opening Model of Ceiling Diffusers for Numerical Simulation of Indoor Air Distribution under Actual Connected Conditions, Part II: Application of the Model. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2006</b> , 49, 821-830	2.3	6
31	Indoor PM2.5 concentrations in China: A concise review of the literature published in the past 40 years. <i>Building and Environment</i> , <b>2021</b> , 198, 107898	6.5	6
30	Can carbon dioxide be a good indicator for formaldehyde in residences? Monte Carlo modeling for a whole year. <i>Science and Technology for the Built Environment</i> , <b>2020</b> , 26, 749-762	1.8	5
29	Air Supply Opening Model of Ceiling Diffusers for Numerical Simulation of Indoor Air Distribution under Actual Connected Conditions, Part I: Model Development*View all notes. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2006</b> , 50, 45-61	2.3	5
28	Influence of Diffuser Jet Characteristics on Indoor Air Distribution under Actual Connecting Conditions. <i>Journal of Architectural Engineering</i> , <b>2003</b> , 9, 141-144	1.5	5
27	Increasing cardiopulmonary effects of ultrafine particles at relatively low fine particle concentrations. <i>Science of the Total Environment</i> , <b>2021</b> , 751, 141726	10.2	5
26	Modeling particle fate in ventilation system Part II: Case study. <i>Building and Environment</i> , <b>2009</b> , 44, 612-620	6.5	3
25	Reducing airborne infection risk of COVID-19 by locating air cleaners at proper positions indoor: Analysis with a simple model.. <i>Building and Environment</i> , <b>2022</b> , 213, 108864	6.5	3
24	Comparison of Indoor Environment of a Locally Concentrated Cleanroom at Occupied and Unoccupied Status by Numerical Method. <i>Journal of the IEST</i> , <b>2004</b> , 47, 94-100	0.2	3



23	Distribution of Air Change Rates in Residential Buildings in Beijing, China. <i>Environmental Science and Engineering</i> , <b>2020</b> , 1149-1156	0.2	3
22	A chemical dynamic model for the infiltration of outdoor size-resolved ammonium nitrate aerosols to indoor environments. <i>Indoor Air</i> , <b>2020</b> , 30, 275-283	5.4	3
21	PROBE-PM: A new way to simulate particle transport in ventilation systems. <i>Building Simulation</i> , <b>2008</b> , 1, 158-168	3.9	2
20	Analysis of Particle Pollution in an Office by the Concept of Perceived Particle Intensity. <i>Indoor and Built Environment</i> , <b>2006</b> , 15, 463-472	1.8	2
19	Ozone reactive compounds measured in skin wipes from Chinese volunteers. <i>Building and Environment</i> , <b>2021</b> , 188, 107515	6.5	2
18	Impact of Outdoor Particles on Indoor Air <b>2021</b> , 1-23		2
17	Volatile products generated from reactions between ozone and human skin lipids: A modelling estimation. <i>Building and Environment</i> , <b>2022</b> , 109068	6.5	2
16	Numerical Analysis of Microclimate of Desk Displacement Ventilation Using a Zero-equation Turbulence Model. <i>Journal of the IEST</i> , <b>2004</b> , 47, 1-14	0.2	1
15	How will window opening change under global warming: A study for China residence. <i>Building and Environment</i> , <b>2022</b> , 209, 108672	6.5	1
14	Control of fine particulate pollution inside entrance booths. <i>Building and Environment</i> , <b>2020</b> , 169, 106576	6.5	1
13	Investigating factors causing difference of indoor exposure to outdoor PM2.5-bounded elemental carbon during different seasons and haze/non-haze days using a Monte Carlo framework. <i>Atmospheric Environment</i> , <b>2019</b> , 200, 61-68	5.3	1
12	Associations between total mortality and personal exposure to outdoor-originated NO2 in 271 Chinese cities. <i>Atmospheric Environment</i> , <b>2021</b> , 246, 118170	5.3	1
11	The WHO Air Quality Guidelines 2021 promote great challenge for indoor air.. <i>Science of the Total Environment</i> , <b>2022</b> , 154376	10.2	1
10	The trend of natural ventilation potential in 74 Chinese cities from 2014 to 2019: Impact of air pollution and climate change. <i>Building and Environment</i> , <b>2022</b> , 218, 109146	6.5	1
9	Restrictions on indoor and outdoor NO emissions to reduce disease burden for pediatric asthma in China: A modeling study.. <i>The Lancet Regional Health - Western Pacific</i> , <b>2022</b> , 24, 100463	5	1
8	Benefits from disease-burden reduction for type 2 diabetes and obesity through comprehensive regulatory restrictions on phthalate use in China. <i>One Earth</i> , <b>2022</b> , 5, 380-391	8.1	0
7	Estimated Secondary Organic Carbon (SOC) in PM2.5 from Chinese Cooking via Minimum OC/EC Ratio Method. <i>Environmental Science and Engineering</i> , <b>2020</b> , 287-292	0.2	
6	Estimation of Human Exposure and Environment Burden of Disease Caused by PM2.5 Pollution in Beijing, China. <i>Environmental Science and Engineering</i> , <b>2020</b> , 709-715	0.2	

5	Size-Dependent Removal Efficiency of Mechanical Ventilation System with Air Filtration Unit for Nanoparticles. <i>Environmental Science and Engineering</i> , <b>2020</b> , 403-409	0.2
4	Megacity, Microscale Livable Space, and Major Depression. <i>JAMA Network Open</i> , <b>2021</b> , 4, e2130941	10.4
3	Investigations for Reducing Personal Exposure to PM2.5 from Residential Chinese Cooking Based on CFD Simulation. <i>Environmental Science and Engineering</i> , <b>2020</b> , 279-286	0.2
2	Reduction of Human Exposure and Premature Deaths by Indoor PM2.5 Cleaning in Beijing, China. <i>Environmental Science and Engineering</i> , <b>2020</b> , 717-724	0.2
1	Joint effect of indoor size-fractionated particulate matters and black carbon on cardiopulmonary function and relevant metabolic mechanism: A panel study among school children. <i>Environmental Pollution</i> , <b>2022</b> , 119533	9.3