

Yinping Zhang

List of Publications by Year in descending order

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274
papers

15,256
citations

13068

68
h-index

25716

108
g-index

281
all docs

281
docs citations

281
times ranked

10026
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic purification of volatile organic compounds in indoor air: A literature review. <i>Atmospheric Environment</i> , 2009, 43, 2229-2246.	1.9	712
2	Application of latent heat thermal energy storage in buildings: State-of-the-art and outlook. <i>Building and Environment</i> , 2007, 42, 2197-2209.	3.0	517
3	A simple method, the -history method, of determining the heat of fusion, specific heat and thermal conductivity of phase-change materials. <i>Measurement Science and Technology</i> , 1999, 10, 201-205.	1.4	385
4	Review of thermal energy storage technologies based on PCM application in buildings. <i>Energy and Buildings</i> , 2013, 67, 56-69.	3.1	361
5	Using phase change materials in photovoltaic systems for thermal regulation and electrical efficiency improvement: A review and outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 1273-1284.	8.2	304
6	Preparation, thermal performance and application of shape-stabilized PCM in energy efficient buildings. <i>Energy and Buildings</i> , 2006, 38, 1262-1269.	3.1	272
7	Experimental study of under-floor electric heating system with shape-stabilized PCM plates. <i>Energy and Buildings</i> , 2005, 37, 215-220.	3.1	247
8	Can commonly-used fan-driven air cleaning technologies improve indoor air quality? A literature review. <i>Atmospheric Environment</i> , 2011, 45, 4329-4343.	1.9	213
9	Ten cities cross-sectional questionnaire survey of children asthma and other allergies in China. <i>Science Bulletin</i> , 2013, 58, 4182-4189.	1.7	211
10	An experimental study of convective heat transfer with microencapsulated phase change material suspension: Laminar flow in a circular tube under constant heat flux. <i>Experimental Thermal and Fluid Science</i> , 2008, 32, 1638-1646.	1.5	203
11	An improved mass transfer based model for analyzing VOC emissions from building materials. <i>Atmospheric Environment</i> , 2003, 37, 2497-2505.	1.9	197
12	Determination and risk assessment of by-products resulting from photocatalytic oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 570-576.	10.8	197
13	Risk assessment of population inhalation exposure to volatile organic compounds and carbonyls in urban China. <i>Environment International</i> , 2014, 73, 33-45.	4.8	197
14	Association of Ozone Exposure With Cardiorespiratory Pathophysiologic Mechanisms in Healthy Adults. <i>JAMA Internal Medicine</i> , 2017, 177, 1344.	2.6	183
15	Influence of additives on thermal conductivity of shape-stabilized phase change material. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 1692-1702.	3.0	169
16	Modeling and simulation on the thermal performance of shape-stabilized phase change material floor used in passive solar buildings. <i>Energy and Buildings</i> , 2005, 37, 1084-1091.	3.1	167
17	Influence of temperature on formaldehyde emission parameters of dry building materials. <i>Atmospheric Environment</i> , 2007, 41, 3203-3216.	1.9	167
18	Early life exposure to ambient air pollution and childhood asthma in China. <i>Environmental Research</i> , 2015, 143, 83-92.	3.7	162

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19	The Tsinghuaâ€“Lancet Commission on Healthy Cities in China: unlocking the power of cities for a healthy China. <i>Lancet, The</i> , 2018, 391, 2140-2184.	6.3	155
20	Novel insight and numerical analysis of convective heat transfer enhancement with microencapsulated phase change material slurries: laminar flow in a circular tube with constant heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 3163-3172.	2.5	149
21	Assessing Human Exposure to Organic Pollutants in the Indoor Environment. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12228-12263.	7.2	149
22	Flow and heat transfer behaviors of phase change material slurries in a horizontal circular tube. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 2480-2491.	2.5	139
23	Modeling and experimental study on an innovative passive cooling systemâ€“NVP system. <i>Energy and Buildings</i> , 2003, 35, 417-425.	3.1	137
24	Modeling and simulation of under-floor electric heating system with shape-stabilized PCM plates. <i>Building and Environment</i> , 2004, 39, 1427-1434.	3.0	134
25	Analysis of the Dynamic Interaction Between SVOCs and Airborne Particles. <i>Aerosol Science and Technology</i> , 2013, 47, 125-136.	1.5	134
26	New concepts and approach for developing energy efficient buildings: Ideal specific heat for building internal thermal mass. <i>Energy and Buildings</i> , 2011, 43, 1081-1090.	3.1	130
27	An assessment of mixed type PCM-gypsum and shape-stabilized PCM plates in a building for passive solar heating. <i>Solar Energy</i> , 2007, 81, 1351-1360.	2.9	128
28	Formaldehyde and VOC emissions at different manufacturing stages of wood-based panels. <i>Building and Environment</i> , 2012, 47, 197-204.	3.0	128
29	Reducing Health Risks from Indoor Exposures in Rapidly Developing Urban China. <i>Environmental Health Perspectives</i> , 2013, 121, 751-755.	2.8	113
30	Analytical optimization of interior PCM for energy storage in a lightweight passive solar room. <i>Applied Energy</i> , 2009, 86, 2013-2018.	5.1	112
31	Ideal thermophysical properties for free-cooling (or heating) buildings with constant thermal physical property material. <i>Energy and Buildings</i> , 2006, 38, 1164-1170.	3.1	111
32	C-History Method: Rapid Measurement of the Initial Emittable Concentration, Diffusion and Partition Coefficients for Formaldehyde and VOCs in Building Materials. <i>Environmental Science & Technology</i> , 2011, 45, 3584-3590.	4.6	111
33	Heat transfer characteristics of microencapsulated phase change material slurry in laminar flow under constant heat flux. <i>Applied Energy</i> , 2009, 86, 2661-2670.	5.1	110
34	The effects of PM2.5 on asthmatic and allergic diseases or symptoms in preschool children of six Chinese cities, based on China, Children, Homes and Health (CCHH) project. <i>Environmental Pollution</i> , 2018, 232, 329-337.	3.7	110
35	Sources of indoor particulate matter (PM) and outdoor air pollution in China in relation to asthma, wheeze, rhinitis and eczema among pre-school children: Synergistic effects between antibiotics use and PM10 and second hand smoke. <i>Environment International</i> , 2019, 125, 252-260.	4.8	108
36	Experimental research on a kind of novel high temperature phase change storage heater. <i>Energy Conversion and Management</i> , 2006, 47, 2211-2222.	4.4	104

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37	Review on thermal performance of phase change energy storage building envelope. Science Bulletin, 2009, 54, 920-928.	4.3	103
38	Indoor phthalate concentration in residential apartments in Chongqing, China: Implications for preschool children's exposure and risk assessment. Atmospheric Environment, 2016, 127, 34-45.	1.9	103
39	Indoor formaldehyde concentrations in urban China: Preliminary study of some important influencing factors. Science of the Total Environment, 2017, 590-591, 394-405.	3.9	103
40	Measurement of Phthalates in Skin Wipes: Estimating Exposure from Dermal Absorption. Environmental Science & Technology, 2014, 48, 7428-7435.	4.6	102
41	Asthma and rhinitis among Chinese children " Indoor and outdoor air pollution and indicators of socioeconomic status (SES). Environment International, 2018, 115, 1-8.	4.8	95
42	Preparation and flammability of high density polyethylene/paraffin/organophilic montmorillonite hybrids as a form stable phase change material. Energy Conversion and Management, 2007, 48, 462-469.	4.4	94
43	A new experimental method to determine specific heat capacity of inhomogeneous concrete material with incorporated microencapsulated-PCM. Cement and Concrete Research, 2014, 55, 22-34.	4.6	94
44	Role of aerosols in enhancing SVOC flux between air and indoor surfaces and its influence on exposure. Atmospheric Environment, 2012, 55, 347-356.	1.9	93
45	A model for analyzing the performance of photocatalytic air cleaner in removing volatile organic compounds. Atmospheric Environment, 2003, 37, 3395-3399.	1.9	92
46	Benzene, toluene and xylenes in newly renovated homes and associated health risk in Guangzhou, China. Building and Environment, 2014, 72, 75-81.	3.0	92
47	Thermal analysis of a direct-gain room with shape-stabilized PCM plates. Renewable Energy, 2008, 33, 1228-1236.	4.3	89
48	An analytical mass transfer model for predicting VOC emissions from multi-layered building materials with convective surfaces on both sides. International Journal of Heat and Mass Transfer, 2007, 50, 2069-2077.	2.5	88
49	Reducing Indoor Levels of "Outdoor PM _{2.5} " in Urban China: Impact on Mortalities. Environmental Science & Technology, 2019, 53, 3119-3127.	4.6	88
50	Heat transfer of microencapsulated PCM slurry flow in a circular tube. AIChE Journal, 2008, 54, 1110-1120.	1.8	87
51	Thermal storage and nonlinear heat-transfer characteristics of PCM wallboard. Energy and Buildings, 2008, 40, 1771-1779.	3.1	86
52	Impact of Temperature on the Ratio of Initial Emittable Concentration to Total Concentration for Formaldehyde in Building Materials: Theoretical Correlation and Validation. Environmental Science & Technology, 2015, 49, 1537-1544.	4.6	86
53	Impact of Clothing on Dermal Exposure to Phthalates: Observations and Insights from Sampling Both Skin and Clothing. Environmental Science & Technology, 2016, 50, 4350-4357.	4.6	86
54	Comprehensive influence of environmental factors on the emission rate of formaldehyde and VOCs in building materials: Correlation development and exposure assessment. Environmental Research, 2016, 151, 734-741.	3.7	84

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55	Onset and remission of childhood wheeze and rhinitis across China – Associations with early life indoor and outdoor air pollution. <i>Environment International</i> , 2019, 123, 61-69.	4.8	81
56	Cardiopulmonary effects of overnight indoor air filtration in healthy non-smoking adults: A double-blind randomized crossover study. <i>Environment International</i> , 2018, 114, 27-36.	4.8	80
57	Assessing and controlling infection risk with Wells-Riley model and spatial flow impact factor (SFIF). <i>Sustainable Cities and Society</i> , 2021, 67, 102719.	5.1	80
58	A general model for analyzing single surface VOC emission characteristics from building materials and its application. <i>Atmospheric Environment</i> , 2004, 38, 113-119.	1.9	78
59	Effect of water vapor on the by-products and decomposition rate of ppb-level toluene by photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 132-133, 212-218.	10.8	77
60	Janus-like polymer particles prepared via internal phase separation from emulsified polymer/oil droplets. <i>Polymer</i> , 2009, 50, 3361-3369.	1.8	76
61	A new method to estimate optimal phase change material characteristics in a passive solar room. <i>Energy Conversion and Management</i> , 2011, 52, 2437-2441.	4.4	75
62	Flammability and thermal properties of high density polyethylene/paraffin hybrid as a form-stable phase change material. <i>Journal of Applied Polymer Science</i> , 2006, 99, 1320-1327.	1.3	73
63	Macro-meso two-scale model for predicting the VOC diffusion coefficients and emission characteristics of porous building materials. <i>Atmospheric Environment</i> , 2008, 42, 5278-5290.	1.9	73
64	Correlation of Photocatalytic Bactericidal Effect and Organic Matter Degradation of TiO ₂ Part I: Observation of Phenomena. <i>Environmental Science & Technology</i> , 2009, 43, 1180-1184.	4.6	73
65	Novel insight into VOC removal performance of photocatalytic oxidation reactors. <i>Indoor Air</i> , 2005, 15, 291-300.	2.0	72
66	Indoor Formaldehyde Removal by Thermal Catalyst: Kinetic Characteristics, Key Parameters, and Temperature Influence. <i>Environmental Science & Technology</i> , 2011, 45, 5754-5760.	4.6	72
67	Indoor SVOC pollution in China: A review. <i>Science Bulletin</i> , 2010, 55, 1469-1478.	1.7	71
68	Predicting dermal absorption of gas-phase chemicals: transient model development, evaluation, and application. <i>Indoor Air</i> , 2014, 24, 292-306.	2.0	71
69	Preparation of n-tetradecane-containing microcapsules with different shell materials by phase separation method. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1817-1822.	3.0	70
70	Simplified analysis of coupled heat and mass transfer processes in packed bed liquid desiccant-air contact system. <i>Solar Energy</i> , 2006, 80, 121-131.	2.9	68
71	Performance of a hybrid heating system with thermal storage using shape-stabilized phase-change material plates. <i>Applied Energy</i> , 2007, 84, 1068-1077.	5.1	67
72	Characteristics and correlations of VOC emissions from building materials. <i>International Journal of Heat and Mass Transfer</i> , 2003, 46, 4877-4883.	2.5	66

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73	Understanding and controlling airborne organic compounds in the indoor environment: mass transfer analysis and applications. <i>Indoor Air</i> , 2016, 26, 39-60.	2.0	65
74	C-History Method, a Novel Approach to Simultaneously Measure Source and Sink Parameters Important for Estimating Indoor Exposures to Phthalates. <i>Environmental Science & Technology</i> , 2016, 50, 825-834.	4.6	64
75	Toxic volatile organic compounds in 20 homes in Shanghai: Concentrations, inhalation health risks, and the impacts of household air cleaning. <i>Building and Environment</i> , 2019, 157, 309-318.	3.0	64
76	Impact of temperature on the initial emittable concentration of formaldehyde in building materials: experimental observation. <i>Indoor Air</i> , 2010, 20, 523-529.	2.0	63
77	A new method to determine thermophysical properties of PCM-concrete brick. <i>Applied Energy</i> , 2013, 112, 988-998.	5.1	61
78	A rapid and accurate method, ventilated chamber C-history method, of measuring the emission characteristic parameters of formaldehyde/VOCs in building materials. <i>Journal of Hazardous Materials</i> , 2013, 261, 542-549.	6.5	61
79	Prediction of breakthrough curves for adsorption on activated carbon fibers in a fixed bed. <i>Carbon</i> , 2004, 42, 3081-3085.	5.4	60
80	Theoretical analysis of convective heat transfer enhancement of microencapsulated phase change material slurries. <i>Heat and Mass Transfer</i> , 2003, 40, 59-66.	1.2	59
81	A convenient method of measuring the thermal conductivity of biological tissue. <i>Physics in Medicine and Biology</i> , 1991, 36, 1599-1605.	1.6	58
82	Combined use of an electrostatic precipitator and a high-efficiency particulate air filter in building ventilation systems: Effects on cardiorespiratory health indicators in healthy adults. <i>Indoor Air</i> , 2018, 28, 360-372.	2.0	57
83	Study of an electrical heating system with ductless air supply and shape-stabilized PCM for thermal storage. <i>Energy Conversion and Management</i> , 2007, 48, 2016-2024.	4.4	56
84	A SPME-based method for rapidly and accurately measuring the characteristic parameter for DEHP emitted from PVC floorings. <i>Indoor Air</i> , 2017, 27, 417-426.	2.0	56
85	Effect of TiO ₂ /adsorbent hybrid photocatalysts for toluene decomposition in gas phase. <i>Journal of Hazardous Materials</i> , 2009, 168, 276-281.	6.5	55
86	Asthma and allergic rhinitis among young parents in China in relation to outdoor air pollution, climate and home environment. <i>Science of the Total Environment</i> , 2021, 751, 141734.	3.9	55
87	A mass transfer based method for measuring the reaction coefficients of a photocatalyst. <i>Atmospheric Environment</i> , 2007, 41, 1221-1229.	1.9	54
88	The influence of aerosol dynamics on indoor exposure to airborne DEHP. <i>Atmospheric Environment</i> , 2010, 44, 1952-1959.	1.9	54
89	Association Between Bedroom Particulate Matter Filtration and Changes in Airway Pathophysiology in Children With Asthma. <i>JAMA Pediatrics</i> , 2020, 174, 533.	3.3	54
90	Assessing Human Exposure to SVOCs in Materials, Products, and Articles: A Modular Mechanistic Framework. <i>Environmental Science & Technology</i> , 2021, 55, 25-43.	4.6	54

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91	Experimental research on laminar flow performance of phase change emulsion. Applied Thermal Engineering, 2006, 26, 1238-1245.	3.0	53
92	Dimensionless correlations to predict VOC emissions from dry building materials. Atmospheric Environment, 2007, 41, 352-359.	1.9	52
93	A New Method for Determining the Initial Mobile Formaldehyde Concentrations, Partition Coefficients, and Diffusion Coefficients of Dry Building Materials. Journal of the Air and Waste Management Association, 2009, 59, 819-825.	0.9	51
94	A general analytical model for formaldehyde and VOC emission/sorption in single-layer building materials and its application in determining the characteristic parameters. Atmospheric Environment, 2012, 47, 288-294.	1.9	50
95	A new approach, based on the inverse problem and variation method, for solving building energy and environment problems: Preliminary study and illustrative examples. Building and Environment, 2015, 91, 204-218.	3.0	50
96	Analysis of thermal performance and energy savings of membrane based heat recovery ventilator. Energy, 2000, 25, 515-527.	4.5	49
97	Dampness and mold in homes across China: Associations with rhinitis, ocular, throat and dermal symptoms, headache and fatigue among adults. Indoor Air, 2019, 29, 30-42.	2.0	49
98	Ideal thermal conductivity of a passive building wall: Determination method and understanding. Applied Energy, 2013, 112, 967-974.	5.1	48
99	TRPV1 and TRPA1 in Lung Inflammation and Airway Hyperresponsiveness Induced by Fine Particulate Matter (PM _{2.5}). Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	1.9	48
100	Asthma, allergic rhinitis and eczema among parents of preschool children in relation to climate, and dampness and mold in dwellings in China. Environment International, 2019, 130, 104910.	4.8	48
101	Phthalates in dust collected from various indoor environments in Beijing, China and resulting non-dietary human exposure. Building and Environment, 2017, 124, 315-322.	3.0	46
102	The influence of air cleaners on indoor particulate matter components and oxidative potential in residential households in Beijing. Science of the Total Environment, 2018, 626, 507-518.	3.9	46
103	Common cold among pre-school children in China - associations with ambient PM 10 and dampness, mould, cats, dogs, rats and cockroaches in the home environment. Environment International, 2017, 103, 13-22.	4.8	45
104	Using Low-cost sensors to Quantify the Effects of Air Filtration on Indoor and Personal Exposure Relevant PM _{2.5} Concentrations in Beijing, China. Aerosol and Air Quality Research, 2020, 20, 297-313.	0.9	45
105	Household dampness-related exposures in relation to childhood asthma and rhinitis in China: A multicentre observational study. Environment International, 2019, 126, 735-746.	4.8	44
106	Experimental study of a compact electrostatically assisted air coarse filter for efficient particle removal: Synergistic particle charging and filter polarizing. Building and Environment, 2018, 135, 153-161.	3.0	43
107	Ozone, Electrostatic Precipitators, and Particle Number Concentrations: Correlations Observed in a Real Office during Working Hours. Environmental Science & Technology, 2016, 50, 10236-10244.	4.6	42
108	Health Risk Assessment of Inhalation Exposure to Formaldehyde and Benzene in Newly Remodeled Buildings, Beijing. PLoS ONE, 2013, 8, e79553.	1.1	42

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109	Ultrafine particle concentrations and exposures in four high-rise Beijing apartments. <i>Atmospheric Environment</i> , 2011, 45, 7574-7582.	1.9	41
110	Enhanced Photocatalytic Properties of SnO ₂ Nanocrystals with Decreased Size for ppb-level Acetaldehyde Decomposition. <i>ChemCatChem</i> , 2011, 3, 371-377.	1.8	41
111	Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. <i>Chemosphere</i> , 2019, 231, 256-268.	4.2	41
112	The impact of mass transfer limitations on size distributions of particle associated SVOCs in outdoor and indoor environments. <i>Science of the Total Environment</i> , 2014, 497-498, 401-411.	3.9	40
113	Residential risk factors for childhood pneumonia: A cross-sectional study in eight cities of China. <i>Environment International</i> , 2018, 116, 83-91.	4.8	40
114	Improved C-history method for rapidly and accurately measuring the characteristic parameters of formaldehyde/VOCs emitted from building materials. <i>Building and Environment</i> , 2018, 143, 570-578.	3.0	40
115	Negative ions offset cardiorespiratory benefits of PM _{2.5} reduction from residential use of negative ion air purifiers. <i>Indoor Air</i> , 2021, 31, 220-228.	2.0	40
116	Ultralow Resistance Two-Stage Electrostatically Assisted Air Filtration by Polydopamine Coated PET Coarse Filter. <i>Small</i> , 2021, 17, e2102051.	5.2	40
117	Predicting Dermal Exposure to Gas-Phase Semivolatile Organic Compounds (SVOCs): A Further Study of SVOC Mass Transfer between Clothing and Skin Surface Lipids. <i>Environmental Science & Technology</i> , 2018, 52, 4676-4683.	4.6	39
118	The impact of household air cleaners on the oxidative potential of PM _{2.5} and the role of metals and sources associated with indoor and outdoor exposure. <i>Environmental Research</i> , 2020, 181, 108919.	3.7	39
119	Variable Volume Loading Method: A Convenient and Rapid Method for Measuring the Initial Emittable Concentration and Partition Coefficient of Formaldehyde and Other Aldehydes in Building Materials. <i>Environmental Science & Technology</i> , 2011, 45, 10111-10116.	4.6	38
120	A standard reference for chamber testing of material VOC emissions: Design principle and performance. <i>Atmospheric Environment</i> , 2012, 47, 381-388.	1.9	38
121	An in-situ thermally regenerated air purifier for indoor formaldehyde removal. <i>Indoor Air</i> , 2018, 28, 266-275.	2.0	38
122	Ambient PM _{2.5} and its chemical constituents on lifetime-ever pneumonia in Chinese children: A multi-center study. <i>Environment International</i> , 2021, 146, 106176.	4.8	37
123	Health effects of exposure to indoor volatile organic compounds from 1980 to 2017: A systematic review and meta-analysis. <i>Indoor Air</i> , 2022, 32, .	2.0	37
124	Simulation of VOC emissions from building materials by using the state-space method. <i>Building and Environment</i> , 2009, 44, 471-478.	3.0	36
125	Indoor exposure levels of bacteria and fungi in residences, schools, and offices in China: A systematic review. <i>Indoor Air</i> , 2020, 30, 1147-1165.	2.0	36
126	A reference method for measuring emissions of SVOCs in small chambers. <i>Building and Environment</i> , 2016, 95, 126-132.	3.0	35

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127	Indoor particle age, a new concept for improving the accuracy of estimating indoor airborne SVOC concentrations, and applications. <i>Building and Environment</i> , 2018, 136, 88-97.	3.0	35
128	Real-time measurements of PM _{2.5} and ozone to assess the effectiveness of residential indoor air filtration in Shanghai homes. <i>Indoor Air</i> , 2021, 31, 74-87.	2.0	35
129	Research on the climate response of variable thermo-physical property building envelopes: A literature review. <i>Energy and Buildings</i> , 2020, 226, 110398.	3.1	35
130	Utilizing electrostatic effect in fibrous filters for efficient airborne particles removal: Principles, fabrication, and material properties. <i>Applied Materials Today</i> , 2022, 26, 101369.	2.3	35
131	An improved extraction method to determine the initial emittable concentration and the partition coefficient of VOCs in dry building materials. <i>Atmospheric Environment</i> , 2009, 43, 4102-4107.	1.9	34
132	Analytical optimization of specific heat of building internal envelope. <i>Energy Conversion and Management</i> , 2012, 63, 239-244.	4.4	34
133	The impact of household air cleaners on the chemical composition and children's exposure to PM _{2.5} metal sources in suburban Shanghai. <i>Environmental Pollution</i> , 2019, 253, 190-198.	3.7	34
134	Relations between indoor and outdoor PM _{2.5} and constituent concentrations. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	34
135	Influence of fins on formaldehyde removal in annular photocatalytic reactors. <i>Building and Environment</i> , 2008, 43, 238-245.	3.0	33
136	Characteristics and Relationships between Indoor and Outdoor PM _{2.5} in Beijing: A Residential Apartment Case Study. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2386-2395.	0.9	33
137	Personal Exposure to PM _{2.5} Oxidative Potential in Association with Pulmonary Pathophysiologic Outcomes in Children with Asthma. <i>Environmental Science & Technology</i> , 2021, 55, 3101-3111.	4.6	33
138	Association between the Emission Rate and Temperature for Chemical Pollutants in Building Materials: General Correlation and Understanding. <i>Environmental Science & Technology</i> , 2013, 47, 130709124156006.	4.6	32
139	Home environmental and lifestyle factors associated with asthma, rhinitis and wheeze in children in Beijing, China. <i>Environmental Pollution</i> , 2020, 256, 113426.	3.7	32
140	Influence of humidity on the initial emittable concentration of formaldehyde and hexaldehyde in building materials: experimental observation and correlation. <i>Scientific Reports</i> , 2016, 6, 23388.	1.6	31
141	Indoor air quality in schools in Beijing: Field tests, problems and recommendations. <i>Building and Environment</i> , 2021, 205, 108179.	3.0	31
142	Membrane-based humidity pump: performance and limitations. <i>Journal of Membrane Science</i> , 2000, 171, 207-216.	4.1	30
143	Exploring buildings' secrets: The ideal thermophysical properties of a building's wall for energy conservation. <i>International Journal of Heat and Mass Transfer</i> , 2013, 65, 265-273.	2.5	30
144	Energy-Efficient Building Envelopes with Phase-Change Materials: New Understanding and Related Research. <i>Heat Transfer Engineering</i> , 2014, 35, 970-984.	1.2	30

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145	Neurobehavioral changes induced by di(2-ethylhexyl) phthalate and the protective effects of vitamin E in Kunming mice. <i>Toxicology Research</i> , 2015, 4, 1006-1015.	0.9	30
146	Non-dietary exposure to phthalates for pre-school children in kindergarten in Beijing, China. <i>Building and Environment</i> , 2020, 167, 106438.	3.0	30
147	Associations of personal exposure to air pollutants with airway mechanics in children with asthma. <i>Environment International</i> , 2020, 138, 105647.	4.8	30
148	Study on characteristics of double surface VOC emissions from dry flat-plate building materials. <i>Science Bulletin</i> , 2006, 51, 2287-2293.	1.7	29
149	Determination of the equivalent emission parameters of wood-based furniture by applying C-history method. <i>Atmospheric Environment</i> , 2011, 45, 5602-5611.	1.9	29
150	Indoor decorating and refurbishing materials and furniture volatile organic compounds emission labeling systems: A review. <i>Science Bulletin</i> , 2012, 57, 2533-2543.	1.7	29
151	Home environment in relation to allergic rhinitis among preschool children in Beijing, China: A cross-sectional study. <i>Building and Environment</i> , 2015, 93, 54-63.	3.0	29
152	Pre-feasibility of building cooling heating and power system with thermal energy storage considering energy supply demand mismatch. <i>Applied Energy</i> , 2016, 167, 125-134.	5.1	29
153	Exposure to SVOCs from Inhaled Particles: Impact of Desorption. <i>Environmental Science & Technology</i> , 2017, 51, 6220-6228.	4.6	28
154	Increasing prevalence of asthma and allergy in Beijing pre-school children: Is exclusive breastfeeding for more than 6 months protective?. <i>Science Bulletin</i> , 2013, 58, 4190-4202.	1.7	27
155	Measuring the characteristic parameters of VOC emission from paints. <i>Building and Environment</i> , 2013, 66, 65-71.	3.0	27
156	Associations of household renovation materials and periods with childhood asthma, in China: A retrospective cohort study. <i>Environment International</i> , 2018, 113, 240-248.	4.8	27
157	Lifetime-ever pneumonia among pre-school children across China – Associations with pre-natal and post-natal early life environmental factors. <i>Environmental Research</i> , 2018, 167, 418-427.	3.7	27
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