Bao-Jie He

List of Publications by Year in descending order

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92 papers	5,648 citations	57631 44 h-index	82410 72 g-index
94 all docs	94 docs citations	94 times ranked	3345 citing authors

#	Article	IF	Citations
1	Influence of climates and materials on the moisture buffering in office buildings: a comprehensive numerical study in China. Environmental Science and Pollution Research, 2022, 29, 14158-14175.	2.7	6
2	Applicability of mobile-measurement strategies to different periods: A field campaign in a precinct with a block park. Building and Environment, 2022, 211, 108762.	3.0	7
3	The Linkage between Sustainable Development Goals 9 and 11: Examining the Association between Sustainable Urbanization and Intellectual Property Rights Protection. Advanced Sustainable Systems, 2022, 6, .	2.7	7
4	Will individuals visit hospitals when suffering heat-related illnesses? Yes, butâ€¦. Building and Environment, 2022, 208, 108587.	3.0	33
5	Perception, physiological and psychological impacts, adaptive awareness and knowledge, and climate justice under urban heat: A study in extremely hot-humid Chongqing, China. Sustainable Cities and Society, 2022, 79, 103685.	5.1	46
6	Spatiotemporal heterogeneity of street thermal environments and development of an optimised method to improve field measurement accuracy. Urban Climate, 2022, 42, 101121.	2.4	14
7	Variabilities of Land Surface Temperature and Frontal Area Index Based on Local Climate Zone. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2166-2174.	2.3	16
8	Heat vulnerability caused by physical and social conditions in a mountainous megacity of Chongqing, China. Sustainable Cities and Society, 2022, 80, 103792.	5.1	21
9	Beating the urban heat: Situation, background, impacts and the way forward in China. Renewable and Sustainable Energy Reviews, 2022, 161, 112350.	8.2	152
10	Performance synergism of pervious pavement on stormwater management and urban heat island mitigation: A review of its benefits, key parameters, and co-benefits approach. Water Research, 2022, 221, 118755.	5.3	50
11	Heat-induced health impacts and the drivers: implications on accurate heat-health plans and guidelines. Environmental Science and Pollution Research, 2022, 29, 88193-88212.	2.7	10
12	Green building: A comprehensive solution to urban heat. Energy and Buildings, 2022, 271, 112306.	3.1	23
13	Dust accumulated fungi in air-conditioning system: Findings based on field and laboratory experiments. Building Simulation, 2021, 14, 793-811.	3.0	7
14	Localized synergies between heat waves and urban heat islands: Implications on human thermal comfort and urban heat management. Environmental Research, 2021, 193, 110584.	3.7	223
15	Research on the Global Green Market Based on Big Data. Lecture Notes in Civil Engineering, 2021, , 139-148.	0.3	0
16	Variation of rooftop thermal environment with roof typology: a field experiment in Kitakyushu, Japan. Environmental Science and Pollution Research, 2021, 28, 28415-28427.	2.7	4
17	Towards green roof implementation: Drivers, motivations, barriers and recommendations. Urban Forestry and Urban Greening, 2021, 58, 126992.	2.3	87
18	Analysis of the Impact of Park Scale on Urban Park Equity Based on 21 Incremental Scenarios in the Urban Core Area of Chongqing, China. Advanced Sustainable Systems, 2021, 5, 2100171.	2.7	13

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19	A comprehensive study of feasibility and applicability of building integrated photovoltaic (BIPV) systems in regions with high solar irradiance. Journal of Cleaner Production, 2021, 307, 127240.	4.6	39
20	Suitability of human settlements in mountainous areas from the perspective of ventilation: A case study of the main urban area of Chongqing. Journal of Cleaner Production, 2021, 310, 127467.	4.6	92
21	A framework for addressing urban heat challenges and associated adaptive behavior by the public and the issue of willingness to pay for heat resilient infrastructure in Chongqing, China. Sustainable Cities and Society, 2021, 75, 103361.	5.1	107
22	A pressure-state-response framework for the sustainability analysis of water national parks in China. Ecological Indicators, 2021, 131, 108127.	2.6	16
23	Contribution of urban ventilation to the thermal environment and urban energy demand: Different climate background perspectives. Science of the Total Environment, 2021, 795, 148791.	3.9	105
24	Delineating the spatial-temporal variation of air pollution with urbanization in the Belt and Road Initiative area. Environmental Impact Assessment Review, 2021, 91, 106646.	4.4	68
25	A systematic review of the health co-benefits of urban climate change adaptation. Sustainable Cities and Society, 2021, 74, 103190.	5.1	57
26	Spatial Variability and Temporal Heterogeneity of Surface Urban Heat Island Patterns and the Suitability of Local Climate Zones for Land Surface Temperature Characterization. Remote Sensing, 2021, 13, 4338.	1.8	100
27	Removal of Nitrogen and Phosphorus in Synthetic Stormwater Runoff by a Porous Asphalt Pavement System with Modified Zeolite Powder Porous Microsphere as a Filter Column. Applied Sciences (Switzerland), 2021, 11, 10810.	1.3	1
28	Public Willingness to Pay for and Participate in Sanitation Infrastructure Improvement in Western China's Rural Areas. Frontiers in Public Health, 2021, 9, 788922.	1.3	9
29	The Environmental Factors Associated With Fatigue of Frontline Nurses in the Infection Disease Nursing Unit. Frontiers in Public Health, 2021, 9, 774553.	1.3	2
30	Multi-Scale Features of Regional Poverty and the Impact of Geographic Capital: A Case Study of Yanbian Korean Autonomous Prefecture in Jilin Province, China. Land, 2021, 10, 1406.	1.2	7
31	Integration of Low-Carbon Eco-City, Green Campus and Green Building in China. Green Energy and Technology, 2020, , 49-78.	0.4	7
32	An experiment and numerical study of resuspension of fungal spore particles from HVAC ducts. Science of the Total Environment, 2020, 708, 134742.	3.9	10
33	Wind-sensitive urban planning and design: Precinct ventilation performance and its potential for local warming mitigation in an open midrise gridiron precinct. Journal of Building Engineering, 2020, 29, 101145.	1.6	82
34	Outdoor thermal environment of an open space under sea breeze: A mobile experience in a coastal city of Sydney, Australia. Urban Climate, 2020, 31, 100567.	2.4	36
35	Community blemish or new dawn for the public realm? Governance challenges for self-claimed gardens in urban China. Cities, 2020, 102, 102750.	2.7	22
36	Impact of the heritage building faÃ§ade in small-scale public spaces on human activity: Based on spatial analysis. Environmental Impact Assessment Review, 2020, 85, 106457.	4.4	16

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37	Local Climate Zone Classification Scheme Can Also Indicate Local-Scale Urban Ventilation Performance: An Evidence-Based Study. Atmosphere, 2020, 11, 776.	1.0	17
38	Relationships among local-scale urban morphology, urban ventilation, urban heat island and outdoor thermal comfort under sea breeze influence. Sustainable Cities and Society, 2020, 60, 102289.	5.1	134
39	The maintenance of prefabricated green roofs for preserving cooling performance: A field measurement in the subtropical city of Hangzhou, China. Sustainable Cities and Society, 2020, 61, 102314.	5.1	72
40	Performance Evaluation of Enhanced Bioretention Systems in Removing Dissolved Nutrients in Stormwater Runoff. Applied Sciences (Switzerland), 2020, 10, 3148.	1.3	15
41	Urban ventilation and its potential for local warming mitigation: A field experiment in an open low-rise gridiron precinct. Sustainable Cities and Society, 2020, 55, 102028.	5.1	68
42	Optimizing Building Envelope Dimensions for Passive Solar Houses in the Qinghai-Tibetan Region: Window to Wall Ratio and Depth of Sunspace. Journal of Thermal Science, 2019, 28, 1115-1128.	0.9	21
43	A comprehensive analysis on definitions, development, and policies of nearly zero energy buildings in China. Renewable and Sustainable Energy Reviews, 2019, 114, 109314.	8.2	123
44	Flexural behavior of beam to column joints with or without an overlying concrete slab. Engineering Structures, 2019, 199, 109616.	2.6	80
45	Towards higher quality green building agenda â€“ An overview of the application of green building techniques in China. Solar Energy, 2019, 193, 473-493.	2.9	16
46	Is linked migration overlooked in peri-urban Shanghai? Uncovering the domino effect of driving away interregional migrants. Habitat International, 2019, 94, 102046.	2.3	16
47	Predicting the solar evaporative cooling performance of pervious materials based on hygrothermal properties. Solar Energy, 2019, 191, 311-322.	2.9	16
48	Impact of Morphological Characteristics of Green Roofs on Pedestrian Cooling in Subtropical Climates. International Journal of Environmental Research and Public Health, 2019, 16, 179.	1.2	47
49	Impacts of the water absorption capability on the evaporative cooling effect of pervious paving materials. Building and Environment, 2019, 151, 187-197.	3.0	65
50	Seismic behaviour of the corner joints of a frame under biaxial cyclic loading. Engineering Structures, 2019, 196, 109316.	2.6	66
51	Towards the next generation of green building for urban heat island mitigation: Zero UHI impact building. Sustainable Cities and Society, 2019, 50, 101647.	5.1	170
52	Evaluating potentials of passive solar heating renovation for the energy poverty alleviation of plateau areas in developing countries: A case study in rural Qinghai-Tibet Plateau, China. Solar Energy, 2019, 187, 95-107.	2.9	67
53	Co-benefits approach: Opportunities for implementing sponge city and urban heat island mitigation. Land Use Policy, 2019, 86, 147-157.	2.5	170
54	Coupling Coordination Relationships between Urban-industrial Land Use Efficiency and Accessibility of Highway Networks: Evidence from Beijing-Tianjin-Hebei Urban Agglomeration, China. Sustainability, 2019, 11, 1446.	1.6	80

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55	Assessment of Landscape Ecological Health: A Case Study of a Mining City in a Semi-Arid Steppe. International Journal of Environmental Research and Public Health, 2019, 16, 752.	1.2	28
56	Sustainability Assessment of Cultural Heritage Tourism: Case Study of Pingyao Ancient City in China. Sustainability, 2019, 11, 1392.	1.6	33
57	Enhancing urban ventilation performance through the development of precinct ventilation zones: A case study based on the Greater Sydney, Australia. Sustainable Cities and Society, 2019, 47, 101472.	5.1	143
58	Analysis on the Time-Varying Fragility of Offshore Concrete Bridge. Complexity, 2019, 2019, 1-22.	0.9	6
59	Do grey infrastructures always elevate urban temperature? No, utilizing grey infrastructures to mitigate urban heat island effects. Sustainable Cities and Society, 2019, 46, 101392.	5.1	65
60	An approach to examining performances of cool/hot sources in mitigating/enhancing land surface temperature under different temperature backgrounds based on landsat 8 image. Sustainable Cities and Society, 2019, 44, 416-427.	5.1	160
61	Residual Strength of Steel-Reinforced Concrete-Filled Square Steel Tubular (SRCFST) Stub Columns After Exposure to ISO-834 Standard Fire. International Journal of Steel Structures, 2019, 19, 850-866.	0.6	25
62	Application and suitability analysis of the key technologies in nearly zero energy buildings in China. Renewable and Sustainable Energy Reviews, 2019, 101, 329-345.	8.2	215
63	Potentials of meteorological characteristics and synoptic conditions to mitigate urban heat island effects. Urban Climate, 2018, 24, 26-33.	2.4	180
64	Sensitivity analysis of wind pressure coefficients on CAARC standard tall buildings in CFD simulations. Journal of Building Engineering, 2018, 16, 146-158.	1.6	82
65	Green Building Occupant Satisfaction: Evidence from the Australian Higher Education Sector. Sustainability, 2018, 10, 2890.	1.6	29
66	Water Conservation Scenic Spots in China: Developing the Tourism Potential of Hydraulic Projects and Water Resources. Sustainability, 2018, 10, 4509.	1.6	3
67	Promoting and implementing urban sustainability in China: An integration of sustainable initiatives at different urban scales. Habitat International, 2018, 82, 83-93.	2.3	170
68	Using solar house to alleviate energy poverty of rural Qinghai-Tibet region, China: A case study of a novel hybrid heating system. Energy and Buildings, 2018, 178, 294-303.	3.1	55
69	Numerical evaluation on shear behavior of irregular steel beam-to-CFST column connections. Journal of Constructional Steel Research, 2018, 148, 422-435.	1.7	26
70	Constructing community gardens? Residentsâ€™ attitude and behaviour towards edible landscapes in emerging urban communities of China. Urban Forestry and Urban Greening, 2018, 34, 154-165.	2.3	76
71	Influences of barriers, drivers, and promotion strategies on green building technologies adoption in developing countries: The Ghanaian case. Journal of Cleaner Production, 2018, 200, 687-703.	4.6	145
72	Distribution characteristics, growth, reproduction and transmission modes and control strategies for microbial contamination in HVAC systems: A literature review. Energy and Buildings, 2018, 177, 77-95.	3.1	83

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73	Effects of architectural shapes on surface wind pressure distribution: Case studies of oval-shaped tall buildings. Journal of Building Engineering, 2017, 12, 219-228.	1.6	54
74	Numerical simulation of the effects of building dimensional variation on wind pressure distribution. Engineering Applications of Computational Fluid Mechanics, 2017, 11, 293-309.	1.5	169
75	Examining issues influencing green building technologies adoption: The United States green building expertsâ€™ perspectives. Energy and Buildings, 2017, 144, 320-332.	3.1	175
76	Profile and concentric zonal analysis of relationships between land use/land cover and land surface temperature: Case study of Shenyang, China. Energy and Buildings, 2017, 155, 282-295.	3.1	146
77	Driving forces for green building technologies adoption in the construction industry: Ghanaian perspective. Building and Environment, 2017, 125, 206-215.	3.0	72
78	Hysteretic Behavior of CFT Columns with Semi- Rigid Base Connection under Different Loading Modes. , 2017, , 213-220.		0
79	Hysteric Property Analysis for Semi-Rigid Base Connection of Concrete-Filled Square Steel Tubular Columns. , 2017, , 683-694.		0
80	Social problems of green buildings: From the humanistic needs to social acceptance. Renewable and Sustainable Energy Reviews, 2015, 51, 1594-1609.	8.2	155
81	The green school project: A means of speeding up sustainable development?. Geoforum, 2015, 65, 310-313.	1.4	30
82	The assessment of building energy efficiency in China rural society: Developing a new theoretical construct. Technology in Society, 2014, 38, 130-138.	4.8	7
83	Overview of rural building energy efficiency in China. Energy Policy, 2014, 69, 385-396.	4.2	75
84	The application of solar technologies in building energy efficiency: BISE design in solar-powered residential buildings. Technology in Society, 2014, 38, 111-118.	4.8	31
85	CFD simulation research on residential indoor air quality. Science of the Total Environment, 2014, 472, 1137-1144.	3.9	104
86	Building energy efficiency in China rural areas: Situation, drawbacks, challenges, corresponding measures and policies. Sustainable Cities and Society, 2014, 11, 7-15.	5.1	68
87	Green building in China: Needs great promotion. Sustainable Cities and Society, 2014, 11, 1-6.	5.1	161
88	Application research of ECOTECT in residential estate planning. Energy and Buildings, 2014, 72, 195-202.	3.1	69
89	The combination of digital technology and architectural design to develop a process for enhancing energy-saving: The case of Maanshan China. Technology in Society, 2014, 39, 77-87.	4.8	21
90	Strategies for creating good wind environment around Chinese residences. Sustainable Cities and Society, 2014, 10, 174-183.	5.1	39

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91	Dynamic Change of Vegetation Index and Its Influencing Factors in Alxa League in the Arid Area. Frontiers in Ecology and Evolution, 0, 10, .	1.1	5
92	Impacts of Water Bodies on Microclimates and Outdoor Thermal Comfort: Implications for Sustainable Rural Revitalization. Frontiers in Environmental Science, 0, 10, .	1.5	5