

Bao-Jie He

List of Publications by Year in descending order

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Version: 2024-02-01

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	Localized synergies between heat waves and urban heat islands: Implications on human thermal comfort and urban heat management. <i>Environmental Research</i> , 2021, 193, 110584.	3.7	223
2	Application and suitability analysis of the key technologies in nearly zero energy buildings in China. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 101, 329-345.	8.2	215
3	Potentials of meteorological characteristics and synoptic conditions to mitigate urban heat island effects. <i>Urban Climate</i> , 2018, 24, 26-33.	2.4	180
4	Examining issues influencing green building technologies adoption: The United States green building experts' perspectives. <i>Energy and Buildings</i> , 2017, 144, 320-332.	3.1	175
5	Promoting and implementing urban sustainability in China: An integration of sustainable initiatives at different urban scales. <i>Habitat International</i> , 2018, 82, 83-93.	2.3	170
6	Towards the next generation of green building for urban heat island mitigation: Zero UHI impact building. <i>Sustainable Cities and Society</i> , 2019, 50, 101647.	5.1	170
7	Co-benefits approach: Opportunities for implementing sponge city and urban heat island mitigation. <i>Land Use Policy</i> , 2019, 86, 147-157.	2.5	170
8	Numerical simulation of the effects of building dimensional variation on wind pressure distribution. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2017, 11, 293-309.	1.5	169
9	Green building in China: Needs great promotion. <i>Sustainable Cities and Society</i> , 2014, 11, 1-6.	5.1	161
10	An approach to examining performances of cool/hot sources in mitigating/enhancing land surface temperature under different temperature backgrounds based on landsat 8 image. <i>Sustainable Cities and Society</i> , 2019, 44, 416-427.	5.1	160
11	Social problems of green buildings: From the humanistic needs to social acceptance. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1594-1609.	8.2	155
12	Beating the urban heat: Situation, background, impacts and the way forward in China. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112350.	8.2	152
13	Profile and concentric zonal analysis of relationships between land use/land cover and land surface temperature: Case study of Shenyang, China. <i>Energy and Buildings</i> , 2017, 155, 282-295.	3.1	146
14	Influences of barriers, drivers, and promotion strategies on green building technologies adoption in developing countries: The Ghanaian case. <i>Journal of Cleaner Production</i> , 2018, 200, 687-703.	4.6	145
15	Enhancing urban ventilation performance through the development of precinct ventilation zones: A case study based on the Greater Sydney, Australia. <i>Sustainable Cities and Society</i> , 2019, 47, 101472.	5.1	143
16	Relationships among local-scale urban morphology, urban ventilation, urban heat island and outdoor thermal comfort under sea breeze influence. <i>Sustainable Cities and Society</i> , 2020, 60, 102289.	5.1	134
17	A comprehensive analysis on definitions, development, and policies of nearly zero energy buildings in China. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 114, 109314.	8.2	123
18	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. <i>Sustainable Cities and Society</i> , 2021, 75, 103361.	5.1	107

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19	Contribution of urban ventilation to the thermal environment and urban energy demand: Different climate background perspectives. <i>Science of the Total Environment</i> , 2021, 795, 148791.	3.9	105
20	CFD simulation research on residential indoor air quality. <i>Science of the Total Environment</i> , 2014, 472, 1137-1144.	3.9	104
21	Spatial Variability and Temporal Heterogeneity of Surface Urban Heat Island Patterns and the Suitability of Local Climate Zones for Land Surface Temperature Characterization. <i>Remote Sensing</i> , 2021, 13, 4338.	1.8	100
22	Suitability of human settlements in mountainous areas from the perspective of ventilation: A case study of the main urban area of Chongqing. <i>Journal of Cleaner Production</i> , 2021, 310, 127467.	4.6	92
23	Towards green roof implementation: Drivers, motivations, barriers and recommendations. <i>Urban Forestry and Urban Greening</i> , 2021, 58, 126992.	2.3	87
24	Distribution characteristics, growth, reproduction and transmission modes and control strategies for microbial contamination in HVAC systems: A literature review. <i>Energy and Buildings</i> , 2018, 177, 77-95.	3.1	83
25	Sensitivity analysis of wind pressure coefficients on CAARC standard tall buildings in CFD simulations. <i>Journal of Building Engineering</i> , 2018, 16, 146-158.	1.6	82
26	Wind-sensitive urban planning and design: Precinct ventilation performance and its potential for local warming mitigation in an open midrise gridiron precinct. <i>Journal of Building Engineering</i> , 2020, 29, 101145.	1.6	82
27	Flexural behavior of beam to column joints with or without an overlying concrete slab. <i>Engineering Structures</i> , 2019, 199, 109616.	2.6	80
28	Coupling Coordination Relationships between Urban-industrial Land Use Efficiency and Accessibility of Highway Networks: Evidence from Beijing-Tianjin-Hebei Urban Agglomeration, China. <i>Sustainability</i> , 2019, 11, 1446.	1.6	80
29	Constructing community gardens? Residents' attitude and behaviour towards edible landscapes in emerging urban communities of China. <i>Urban Forestry and Urban Greening</i> , 2018, 34, 154-165.	2.3	76
30	Overview of rural building energy efficiency in China. <i>Energy Policy</i> , 2014, 69, 385-396.	4.2	75
31	Driving forces for green building technologies adoption in the construction industry: Ghanaian perspective. <i>Building and Environment</i> , 2017, 125, 206-215.	3.0	72
32	The maintenance of prefabricated green roofs for preserving cooling performance: A field measurement in the subtropical city of Hangzhou, China. <i>Sustainable Cities and Society</i> , 2020, 61, 102314.	5.1	72
33	Application research of ECOTECT in residential estate planning. <i>Energy and Buildings</i> , 2014, 72, 195-202.	3.1	69
34	Building energy efficiency in China rural areas: Situation, drawbacks, challenges, corresponding measures and policies. <i>Sustainable Cities and Society</i> , 2014, 11, 7-15.	5.1	68
35	Urban ventilation and its potential for local warming mitigation: A field experiment in an open low-rise gridiron precinct. <i>Sustainable Cities and Society</i> , 2020, 55, 102028.	5.1	68
36	Delineating the spatial-temporal variation of air pollution with urbanization in the Belt and Road Initiative area. <i>Environmental Impact Assessment Review</i> , 2021, 91, 106646.	4.4	68

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37	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. <i>Solar Energy</i> , 2019, 187, 95-107.	2.9	67
38	Seismic behaviour of the corner joints of a frame under biaxial cyclic loading. <i>Engineering Structures</i> , 2019, 196, 109316.	2.6	66
39	Impacts of the water absorption capability on the evaporative cooling effect of pervious paving materials. <i>Building and Environment</i> , 2019, 151, 187-197.	3.0	65
40	Do grey infrastructures always elevate urban temperature? No, utilizing grey infrastructures to mitigate urban heat island effects. <i>Sustainable Cities and Society</i> , 2019, 46, 101392.	5.1	65
41	A systematic review of the health co-benefits of urban climate change adaptation. <i>Sustainable Cities and Society</i> , 2021, 74, 103190.	5.1	57
42	Using solar house to alleviate energy poverty of rural Qinghai-Tibet region, China: A case study of a novel hybrid heating system. <i>Energy and Buildings</i> , 2018, 178, 294-303.	3.1	55
43	Effects of architectural shapes on surface wind pressure distribution: Case studies of oval-shaped tall buildings. <i>Journal of Building Engineering</i> , 2017, 12, 219-228.	1.6	54
44	Performance synergism of pervious pavement on stormwater management and urban heat island mitigation: A review of its benefits, key parameters, and co-benefits approach. <i>Water Research</i> , 2022, 221, 118755.	5.3	50
45	Impact of Morphological Characteristics of Green Roofs on Pedestrian Cooling in Subtropical Climates. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 179.	1.2	47
46	Perception, physiological and psychological impacts, adaptive awareness and knowledge, and climate justice under urban heat: A study in extremely hot-humid Chongqing, China. <i>Sustainable Cities and Society</i> , 2022, 79, 103685.	5.1	46
47	Strategies for creating good wind environment around Chinese residences. <i>Sustainable Cities and Society</i> , 2014, 10, 174-183.	5.1	39
48	A comprehensive study of feasibility and applicability of building integrated photovoltaic (BIPV) systems in regions with high solar irradiance. <i>Journal of Cleaner Production</i> , 2021, 307, 127240.	4.6	39
49	Outdoor thermal environment of an open space under sea breeze: A mobile experience in a coastal city of Sydney, Australia. <i>Urban Climate</i> , 2020, 31, 100567.	2.4	36
50	Sustainability Assessment of Cultural Heritage Tourism: Case Study of Pingyao Ancient City in China. <i>Sustainability</i> , 2019, 11, 1392.	1.6	33
51	Will individuals visit hospitals when suffering heat-related illnesses? Yes, but not always. <i>Building and Environment</i> , 2022, 208, 108587.	3.0	33
52	The application of solar technologies in building energy efficiency: BISE design in solar-powered residential buildings. <i>Technology in Society</i> , 2014, 38, 111-118.	4.8	31
53	The green school project: A means of speeding up sustainable development?. <i>Geoforum</i> , 2015, 65, 310-313.	1.4	30
54	Green Building Occupant Satisfaction: Evidence from the Australian Higher Education Sector. <i>Sustainability</i> , 2018, 10, 2890.	1.6	29

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55	Assessment of Landscape Ecological Health: A Case Study of a Mining City in a Semi-Arid Steppe. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 752.	1.2	28
56	Numerical evaluation on shear behavior of irregular steel beam-to-CFST column connections. <i>Journal of Constructional Steel Research</i> , 2018, 148, 422-435.	1.7	26
57	Residual Strength of Steel-Reinforced Concrete-Filled Square Steel Tubular (SRCFST) Stub Columns After Exposure to ISO-834 Standard Fire. <i>International Journal of Steel Structures</i> , 2019, 19, 850-866.	0.6	25
58	Green building: A comprehensive solution to urban heat. <i>Energy and Buildings</i> , 2022, 271, 112306.	3.1	23
59	Community blemish or new dawn for the public realm? Governance challenges for self-claimed gardens in urban China. <i>Cities</i> , 2020, 102, 102750.	2.7	22
60	The combination of digital technology and architectural design to develop a process for enhancing energy-saving: The case of Maanshan China. <i>Technology in Society</i> , 2014, 39, 77-87.	4.8	21
61	Optimizing Building Envelope Dimensions for Passive Solar Houses in the Qinghai-Tibetan Region: Window to Wall Ratio and Depth of Sunspace. <i>Journal of Thermal Science</i> , 2019, 28, 1115-1128.	0.9	21
62	Heat vulnerability caused by physical and social conditions in a mountainous megacity of Chongqing, China. <i>Sustainable Cities and Society</i> , 2022, 80, 103792.	5.1	21
63	Local Climate Zone Classification Scheme Can Also Indicate Local-Scale Urban Ventilation Performance: An Evidence-Based Study. <i>Atmosphere</i> , 2020, 11, 776.	1.0	17
64	Towards higher quality green building agenda – An overview of the application of green building techniques in China. <i>Solar Energy</i> , 2019, 193, 473-493.	2.9	16
65	Is linked migration overlooked in peri-urban Shanghai? Uncovering the domino effect of driving away interregional migrants. <i>Habitat International</i> , 2019, 94, 102046.	2.3	16
66	Predicting the solar evaporative cooling performance of pervious materials based on hygrothermal properties. <i>Solar Energy</i> , 2019, 191, 311-322.	2.9	16
67	Impact of the heritage building facade in small-scale public spaces on human activity: Based on spatial analysis. <i>Environmental Impact Assessment Review</i> , 2020, 85, 106457.	4.4	16
68	A pressure-state-response framework for the sustainability analysis of water national parks in China. <i>Ecological Indicators</i> , 2021, 131, 108127.	2.6	16
69	Variabilities of Land Surface Temperature and Frontal Area Index Based on Local Climate Zone. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 2166-2174.	2.3	16
70	Performance Evaluation of Enhanced Bioretention Systems in Removing Dissolved Nutrients in Stormwater Runoff. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3148.	1.3	15
71	Spatiotemporal heterogeneity of street thermal environments and development of an optimised method to improve field measurement accuracy. <i>Urban Climate</i> , 2022, 42, 101121.	2.4	14
72	Analysis of the Impact of Park Scale on Urban Park Equity Based on 21 Incremental Scenarios in the Urban Core Area of Chongqing, China. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100171.	2.7	13

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73	An experiment and numerical study of resuspension of fungal spore particles from HVAC ducts. <i>Science of the Total Environment</i> , 2020, 708, 134742.	3.9	10
74	Heat-induced health impacts and the drivers: implications on accurate heat-health plans and guidelines. <i>Environmental Science and Pollution Research</i> , 2022, 29, 88193-88212.	2.7	10
75	Public Willingness to Pay for and Participate in Sanitation Infrastructure Improvement in Western China's Rural Areas. <i>Frontiers in Public Health</i> , 2021, 9, 788922.	1.3	9
76	The assessment of building energy efficiency in China rural society: Developing a new theoretical construct. <i>Technology in Society</i> , 2014, 38, 130-138.	4.8	7
77	Integration of Low-Carbon Eco-City, Green Campus and Green Building in China. <i>Green Energy and Technology</i> , 2020, , 49-78.	0.4	7
78	Dust accumulated fungi in air-conditioning system: Findings based on field and laboratory experiments. <i>Building Simulation</i> , 2021, 14, 793-811.	3.0	7
79	Applicability of mobile-measurement strategies to different periods: A field campaign in a precinct with a block park. <i>Building and Environment</i> , 2022, 211, 108762.	3.0	7
80	The Linkage between Sustainable Development Goals 9 and 11: Examining the Association between Sustainable Urbanization and Intellectual Property Rights Protection. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	7
81	Multi-Scale Features of Regional Poverty and the Impact of Geographic Capital: A Case Study of Yanbian Korean Autonomous Prefecture in Jilin Province, China. <i>Land</i> , 2021, 10, 1406.	1.2	7
82	Analysis on the Time-Varying Fragility of Offshore Concrete Bridge. <i>Complexity</i> , 2019, 2019, 1-22.	0.9	6
83	Influence of climates and materials on the moisture buffering in office buildings: a comprehensive numerical study in China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 14158-14175.	2.7	6
84	Dynamic Change of Vegetation Index and Its Influencing Factors in Alxa League in the Arid Area. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	5
85	Impacts of Water Bodies on Microclimates and Outdoor Thermal Comfort: Implications for Sustainable Rural Revitalization. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5
86	Variation of rooftop thermal environment with roof typology: a field experiment in Kitakyushu, Japan. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28415-28427.	2.7	4
87	Water Conservation Scenic Spots in China: Developing the Tourism Potential of Hydraulic Projects and Water Resources. <i>Sustainability</i> , 2018, 10, 4509.	1.6	3
88	The Environmental Factors Associated With Fatigue of Frontline Nurses in the Infection Disease Nursing Unit. <i>Frontiers in Public Health</i> , 2021, 9, 774553.	1.3	2
89	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. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10810.	1.3	1
90	Hysteretic Behavior of CFT Columns with Semi- Rigid Base Connection under Different Loading Modes. , 2017, , 213-220.		0

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91	Hysteric Property Analysis for Semi-Rigid Base Connection of Concrete-Filled Square Steel Tubular Columns. , 2017, , 683-694.		0
92	Research on the Global Green Market Based on Big Data. Lecture Notes in Civil Engineering, 2021, , 139-148.	0.3	0