

# Xuemei Bai

## List of Publications by Year in descending order

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Version: 2024-02-01

134  
papers

14,060  
citations

50276

46  
h-index

66911

78  
g-index

144  
all docs

144  
docs citations

144  
times ranked

12960  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Change and the Ecology of Cities. <i>Science</i> , 2008, 319, 756-760.	12.6	4,931
2	Society: Realizing China's urban dream. <i>Nature</i> , 2014, 509, 158-160.	27.8	925
3	Six research priorities for cities and climate change. <i>Nature</i> , 2018, 555, 23-25.	27.8	446
4	Plausible and desirable futures in the Anthropocene: A new research agenda. <i>Global Environmental Change</i> , 2016, 39, 351-362.	7.8	389
5	Landscape Urbanization and Economic Growth in China: Positive Feedbacks and Sustainability Dilemmas. <i>Environmental Science &amp; Technology</i> , 2012, 46, 132-139.	10.0	363
6	The urban south and the predicament of global sustainability. <i>Nature Sustainability</i> , 2018, 1, 341-349.	23.7	321
7	Defining and advancing a systems approach for sustainable cities. <i>Current Opinion in Environmental Sustainability</i> , 2016, 23, 69-78.	6.3	313
8	Rethinking the role of occupant behavior in building energy performance: A review. <i>Energy and Buildings</i> , 2018, 172, 279-294.	6.7	296
9	Pollution Control: In China's Huai River Basin: What Lessons for Sustainability?. <i>Environment</i> , 2006, 48, 22-38.	1.4	253
10	Urban sustainability experiments in Asia: patterns and pathways. <i>Environmental Science and Policy</i> , 2010, 13, 312-325.	4.9	248
11	Down to Earth: Contextualizing the Anthropocene. <i>Global Environmental Change</i> , 2016, 39, 341-350.	7.8	239
12	Linking Urbanization and the Environment: Conceptual and Empirical Advances. <i>Annual Review of Environment and Resources</i> , 2017, 42, 215-240.	13.4	222
13	Sustainable urban systems: Co-design and framing for transformation. <i>Ambio</i> , 2018, 47, 57-77.	5.5	213
14	Re-conceptualizing the Anthropocene: A call for collaboration. <i>Global Environmental Change</i> , 2016, 39, 318-327.	7.8	210
15	Equity and sustainability in the Anthropocene: a social-ecological systems perspective on their intertwined futures. <i>Global Sustainability</i> , 2018, 1, .	3.3	204
16	Sustainability experiments in Asia: innovations shaping alternative development pathways?. <i>Environmental Science and Policy</i> , 2010, 13, 261-271.	4.9	189
17	Urban policy and governance in a global environment: complex systems, scale mismatches and public participation. <i>Current Opinion in Environmental Sustainability</i> , 2010, 2, 129-135.	6.3	172
18	Locking in positive climate responses in cities. <i>Nature Climate Change</i> , 2018, 8, 174-177.	18.8	170

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19	University partnerships for co-designing and co-producing urban sustainability. <i>Global Environmental Change</i> , 2014, 28, 153-165.	7.8	169
20	Integrating Global Environmental Concerns into Urban Management: The Scale and Readiness Arguments. <i>Journal of Industrial Ecology</i> , 2007, 11, 15-29.	5.5	163
21	Positive visions for guiding urban transformations toward sustainable futures. <i>Current Opinion in Environmental Sustainability</i> , 2016, 22, 33-40.	6.3	162
22	Scientists must have a say in the future of cities. <i>Nature</i> , 2016, 538, 165-166.	27.8	161
23	Urbanization can benefit agricultural production with large-scale farming in China. <i>Nature Food</i> , 2021, 2, 183-191.	14.0	152
24	Industrial Ecology and the Global Impacts of Cities. <i>Journal of Industrial Ecology</i> , 2007, 11, 1-6.	5.5	141
25	A vision for human well-being: transition to social sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 61-73.	6.3	138
26	Greenhouse Gas Emissions Accounting of Urban Residential Consumption: A Household Survey Based Approach. <i>PLoS ONE</i> , 2013, 8, e55642.	2.5	133
27	Demand-side solutions to climate change mitigation consistent with high levels of well-being. <i>Nature Climate Change</i> , 2022, 12, 36-46.	18.8	133
28	Eight energy and material flow characteristics of urban ecosystems. <i>Ambio</i> , 2016, 45, 819-830.	5.5	117
29	Experimenting towards a low-carbon city: Policy evolution and nested structure of innovation. <i>Journal of Cleaner Production</i> , 2018, 174, 201-212.	9.3	112
30	Health and wellbeing in the changing urban environment: complex challenges, scientific responses, and the way forward. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 465-472.	6.3	108
31	Evaluating the effectiveness of urban energy conservation and GHG mitigation measures: The case of Xiamen city, China. <i>Energy Policy</i> , 2010, 38, 5123-5132.	8.8	100
32	Urban Energy Systems. , 0, , 1307-1400.		98
33	A planetary boundary for green water. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 380-392.	29.7	95
34	The process and mechanism of urban environmental change: an evolutionary view. <i>International Journal of Environment and Pollution</i> , 2003, 19, 528.	0.2	93
35	Urban Phosphorus Metabolism through Food Consumption. <i>Journal of Industrial Ecology</i> , 2012, 16, 588-599.	5.5	91
36	Four steps to food security for swelling cities. <i>Nature</i> , 2019, 566, 31-33.	27.8	89

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37	Quantifying and managing food-sourced nutrient metabolism in Chinese cities. <i>Environment International</i> , 2016, 94, 388-395.	10.0	87
38	Identifying a Safe and Just Corridor for People and the Planet. <i>Earth's Future</i> , 2021, 9, e2020EF001866.	6.3	84
39	Changing urban phosphorus metabolism: Evidence from Longyan City, China. <i>Science of the Total Environment</i> , 2015, 536, 924-932.	8.0	82
40	Upscaling urban data science for global climate solutions. <i>Global Sustainability</i> , 2019, 2, .	3.3	73
41	Integrating solutions to adapt cities for climate change. <i>Lancet Planetary Health</i> , The, 2021, 5, e479-e486.	11.4	70
42	Urbanization in and for the Anthropocene. <i>Npj Urban Sustainability</i> , 2021, 1, .	8.0	69
43	Scaling urban sustainability experiments: Contextualization as an innovation. <i>Journal of Cleaner Production</i> , 2019, 227, 302-312.	9.3	65
44	Comparison of household consumption and regional production approaches to assess urban energy use and implications for policy. <i>Energy Policy</i> , 2011, 39, 7298-7309.	8.8	64
45	The composition, trend and impact of urban solid waste in Beijing. <i>Environmental Monitoring and Assessment</i> , 2007, 135, 21-30.	2.7	63
46	Sustainable Urbanization in Western China. <i>Environment</i> , 2014, 56, 12-24.	1.4	60
47	Enabling sustainability transitions in Asia: The importance of vertical and horizontal linkages. <i>Technological Forecasting and Social Change</i> , 2009, 76, 255-266.	11.6	59
48	Networking urban science, policy and practice for sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 114-122.	6.3	53
49	Towards sustainable urban water resource management: a case study in Tianjin, China. <i>Sustainable Development</i> , 2001, 9, 24-35.	12.5	49
50	Governing for Transformative Change across the Biodiversityâ€“Climateâ€“Society Nexus. <i>BioScience</i> , 2022, 72, 684-704.	4.9	48
51	Cities: build networks and share plans to emerge stronger from COVID-19. <i>Nature</i> , 2020, 584, 517-520.	27.8	47
52	Driving forces and impacts of food system nitrogen flows in China, 1990 to 2012. <i>Science of the Total Environment</i> , 2018, 610-611, 430-441.	8.0	42
53	Comparing vulnerability of coastal communities to land use change: Analytical framework and a case study in China. <i>Environmental Science and Policy</i> , 2012, 23, 133-143.	4.9	41
54	Urban tinkering. <i>Sustainability Science</i> , 2018, 13, 1549-1564.	4.9	40

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55	Global Urbanization. , 2018, , 19-44.		37
56	Physical and Non-Physical Benefits of Vertical Greenery Systems: A Review. Journal of Urban Technology, 2019, 26, 53-78.	4.7	30
57	Modeling the urban water-energy nexus: A case study of Xiamen, China. Journal of Cleaner Production, 2019, 215, 680-688.	9.3	30
58	Urbanization and air quality as major drivers of altered spatiotemporal patterns of heavy rainfall in China. Landscape Ecology, 2017, 32, 1723-1738.	4.2	28
59	Transboundary Environmental Footprints of the Urban Food Supply Chain and Mitigation Strategies. Environmental Science & Technology, 2020, 54, 10460-10471.	10.0	28
60	Characterizing energy-related occupant behavior in residential buildings: Evidence from a survey in Beijing, China. Energy and Buildings, 2020, 214, 109823.	6.7	28
61	Examining the attitude-behavior gap in residential energy use: Empirical evidence from a large-scale survey in Beijing, China. Journal of Cleaner Production, 2021, 295, 126510.	9.3	28
62	Alterations in use of space, air quality, temperature and humidity by the presence of vertical greenery system in a building corridor. Urban Forestry and Urban Greening, 2018, 32, 177-184.	5.3	23
63	The UN, the Urban Sustainable Development Goal, and the New Urban Agenda. , 2018, , 180-196.		21
64	Financing urban low-carbon transition: The catalytic role of a city-level special fund in shanghai. Journal of Cleaner Production, 2021, 282, 124514.	9.3	20
65	Contributing to regional decarbonization: Australia's potential to supply zero-carbon commodities to the Asia-Pacific. Energy, 2022, 248, 123563.	8.8	20
66	Seeds of the Future in the Present. , 2018, , 327-350.		19
67	Embracing Urban Complexity. , 2018, , 45-67.		19
68	Advance the ecosystem approach in cities. Nature, 2018, 559, 7-7.	27.8	19
69	Greening Growing Giants. Journal of Industrial Ecology, 2012, 16, 459-466.	5.5	18
70	Reconstructing the Energy History of a City. Journal of Industrial Ecology, 2012, 16, 862-874.	5.5	18
71	Positive inertia and proactive influencing towards sustainability: systems analysis of a frontrunner city. Urban Transformations, 2019, 1, .	2.4	18
72	Industrial Relocation in AsiaA Sound Environmental Management Strategy?. Environment, 2002, 44, 8-21.	1.4	17

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73	Global sustainability: the challenge ahead. <i>Global Sustainability</i> , 2018, 1, .	3.3	16
74	Energizing Sustainable Cities. , 0, , .		16
75	Effectiveness of urban surface characteristics as mitigation strategies for the excessive summer heat in cities. <i>Sustainable Cities and Society</i> , 2021, 72, 103072.	10.4	15
76	Intercity variability and local factors influencing the level of pesticide residues in marketed fruits and vegetables of China. <i>Science of the Total Environment</i> , 2020, 700, 134481.	8.0	11
77	Situating Knowledge and Action for an Urban Planet. , 0, , 1-16.		10
78	A Global Analysis of the Relationship Between Urbanization and Fatalities in Earthquake-Prone Areas. <i>International Journal of Disaster Risk Science</i> , 2021, 12, 805-820.	2.9	10
79	Rethinking Urban Sustainability and Resilience. , 2018, , 149-162.		9
80	Governing Urban Sustainability Transformations. , 2018, , 303-326.		9
81	Systematizing and upscaling urban climate change mitigation. <i>Environmental Research Letters</i> , 2020, 15, 100202.	5.2	8
82	Welfare effects of rural-urban land conversion on different aged land-lost farmers: exemplified in Wuhan city. <i>Chinese Journal of Population Resources and Environment</i> , 2016, 14, 45-52.	1.5	6
83	Sustainability Transformation Emerging from Better Governance. , 0, , 263-280.		6
84	To Transform Cities, Support Civil Society. , 2018, , 281-302.		6
85	Understanding, Implementing, and Tracking Urban Metabolism Is Key to Urban Futures. , 2018, , 68-91.		6
86	New Integrated Urban Knowledge for the Cities We Want. , 2018, , 462-482.		5
87	Macroeconomy and Urban Productivity. , 2018, , 130-146.		4
88	Utilizing Urban Living Laboratories for Social Innovation. , 2018, , 197-217.		4
89	Who Can Implement the Sustainable Development Goals in Urban Areas?. , 0, , 408-410.		4
90	Harness Urban Complexity for Health and Well-Being. , 0, , 113-129.		4

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91	Indicators for Measuring Urban Sustainability and Resilience. , 0, , 163-179.		4
92	Urban ecology and industrial ecology. , 0, , .		3
93	Live with Risk While Reducing Vulnerability. , 2018, , 92-112.		3
94	The Role of University Partnerships in Urban Sustainability Experiments: Evidence from Asia. Hexagon Series on Human and Environmental Security and Peace, 2016, , 631-653.	0.2	2
95	Can Big Data Make a Difference for Urban Management?1. , 0, , 218-238.		2
96	Uneven spread of research leaves poorer cities short of solutions. Nature, 2021, , .	27.8	2
97	Opportunities and challenges for development of urbanization in Western China. Chinese Journal of Population Resources and Environment, 2013, 11, 236-243.	1.5	1
98	Collaborative and Equitable Urban Citizen Science. , 0, , 239-260.		1
99	A Chimera Called "Smart Cities", 0, , 368-370.		1
100	Integrating Global Environmental Concerns into Urban Management: The Scale and Readiness Arguments. Journal of Industrial Ecology, 2007, .	5.5	1
101	Every Community Needs a Forest of Imagination. , 0, , 362-364.		0
102	Banksy and the Biologist. , 0, , 359-361.		0
103	Beyond Fill-in-the-Blank Cities. , 0, , 371-373.		0
104	Persuading Policy-Makers to Implement Sustainable City Plans. , 0, , 374-375.		0
105	To Live or Not to Live. , 0, , 376-378.		0
106	Cities as Global Organisms. , 0, , 384-385.		0
107	Building Cities. , 0, , 388-390.		0
108	The False Distinctions of Socially Engaged Art and Art. , 0, , 391-393.		0

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109	Overcoming Inertia and Reinventing "Retreat", 0, 394-396.		0
110	Money for Old Rope. , 0, 397-399.		0
111	Understanding Arab Cities. , 0, 404-407.		0
112	The Rebellion of Memory. , 0, 417-419.		0
113	Cities Don't Need "Big-Data" They Need Innovations That Connect to the Local. , 0, 420-421.		0
114	Digital Urbanization and the End of Big Cities. , 0, 422-424.		0
115	The Art of Engagement / Activating Curiosity. , 0, 425-427.		0
116	Nairobi's Illegal City-Makers. , 0, 428-429.		0
117	Sketches of an Emotional Geography Towards a New Citizenship. , 0, 445-450.		0
118	Greening Cities. , 0, 453-454.		0
119	Recognition Deficit and the Struggle for Unifying City Fragments. , 0, 455-457.		0
120	Broadening Our Vision to Find a New Eco-Spiritual Way of Living. , 0, 460-461.		0
121	Sustainability, Karachi, and Other Irreconcilables. , 0, 353-356.		0
122	Achieving Sustainable Cities by Focusing on the Urban Underserved. , 0, 411-416.		0
123	The Sea Wall. , 0, 433-435.		0
124	What Knowledge Do Cities Themselves Need?. , 0, 357-358.		0
125	City Fragmentation and the Commons. , 0, 379-383.		0
126	From Concrete Structures to Green Diversity. , 0, 386-387.		0



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127	Aesthetic Appreciation of Tagging. , 0, , 400-403.		0
128	Active Environmental Citizens with Receptive Government Officials Can Enact Change. , 0, , 430-432.		0
129	Private Fears in Public Spaces. , 0, , 440-442.		0
130	Disrespecting the Knowledge of Place. , 0, , 458-459.		0
131	How Can We Shift from an Image-Based Society to a Life-Based Society?. , 0, , 365-367.		0
132	Academics and Nonacademics. , 0, , 436-439.		0
133	The Shift in Urban Technology Innovation from Top-Down to Bottom-Up Sources. , 0, , 451-452.		0
134	Greenhouse Gas Emissions Accounting of Urban Residential Consumption: A Household Survey Based Approach. , 2015, , 35-64.		0