

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	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
2	Contributing to regional decarbonization: Australia's potential to supply zero-carbon commodities to the Asia-Pacific. <i>Energy</i> , 2022, 248, 123563.	8.8	20
3	Governing for Transformative Change across the Biodiversity-Climate-Society Nexus. <i>BioScience</i> , 2022, 72, 684-704.	4.9	48
4	A planetary boundary for green water. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 380-392.	29.7	95
5	Financing urban low-carbon transition: The catalytic role of a city-level special fund in shanghai. <i>Journal of Cleaner Production</i> , 2021, 282, 124514.	9.3	20
6	Urbanization in and for the Anthropocene. <i>Npj Urban Sustainability</i> , 2021, 1, .	8.0	69
7	Urbanization can benefit agricultural production with large-scale farming in China. <i>Nature Food</i> , 2021, 2, 183-191.	14.0	152
8	Identifying a Safe and Just Corridor for People and the Planet. <i>Earth's Future</i> , 2021, 9, e2020EF001866.	6.3	84
9	Examining the attitude-behavior gap in residential energy use: Empirical evidence from a large-scale survey in Beijing, China. <i>Journal of Cleaner Production</i> , 2021, 295, 126510.	9.3	28
10	Integrating solutions to adapt cities for climate change. <i>Lancet Planetary Health</i> , The, 2021, 5, e479-e486.	11.4	70
11	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
12	Uneven spread of research leaves poorer cities short of solutions. <i>Nature</i> , 2021, , .	27.8	2
13	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
14	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
15	Transboundary Environmental Footprints of the Urban Food Supply Chain and Mitigation Strategies. <i>Environmental Science & Technology</i> , 2020, 54, 10460-10471.	10.0	28
16	Characterizing energy-related occupant behavior in residential buildings: Evidence from a survey in Beijing, China. <i>Energy and Buildings</i> , 2020, 214, 109823.	6.7	28
17	Cities: build networks and share plans to emerge stronger from COVID-19. <i>Nature</i> , 2020, 584, 517-520.	27.8	47
18	Systematizing and upscaling urban climate change mitigation. <i>Environmental Research Letters</i> , 2020, 15, 100202.	5.2	8

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19	Physical and Non-Physical Benefits of Vertical Greenery Systems: A Review. <i>Journal of Urban Technology</i> , 2019, 26, 53-78.	4.7	30
20	Networking urban science, policy and practice for sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 114-122.	6.3	53
21	Four steps to food security for swelling cities. <i>Nature</i> , 2019, 566, 31-33.	27.8	89
22	Upscaling urban data science for global climate solutions. <i>Global Sustainability</i> , 2019, 2, .	3.3	73
23	Scaling urban sustainability experiments: Contextualization as an innovation. <i>Journal of Cleaner Production</i> , 2019, 227, 302-312.	9.3	65
24	Positive inertia and proactive influencing towards sustainability: systems analysis of a frontrunner city. <i>Urban Transformations</i> , 2019, 1, .	2.4	18
25	Modeling the urban water-energy nexus: A case study of Xiamen, China. <i>Journal of Cleaner Production</i> , 2019, 215, 680-688.	9.3	30
26	Locking in positive climate responses in cities. <i>Nature Climate Change</i> , 2018, 8, 174-177.	18.8	170
27	Alterations in use of space, air quality, temperature and humidity by the presence of vertical greenery system in a building corridor. <i>Urban Forestry and Urban Greening</i> , 2018, 32, 177-184.	5.3	23
28	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
29	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
30	Sustainable urban systems: Co-design and framing for transformation. <i>Ambio</i> , 2018, 47, 57-77.	5.5	213
31	Seeds of the Future in the Present. , 2018, , 327-350.		19
32	Equity and sustainability in the Anthropocene: a social-ecological systems perspective on their intertwined futures. <i>Global Sustainability</i> , 2018, 1, .	3.3	204
33	Macroeconomy and Urban Productivity. , 2018, , 130-146.		4
34	Live with Risk While Reducing Vulnerability. , 2018, , 92-112.		3
35	Rethinking Urban Sustainability and Resilience. , 2018, , 149-162.		9
36	Utilizing Urban Living Laboratories for Social Innovation. , 2018, , 197-217.		4

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37	To Transform Cities, Support Civil Society. , 2018, , 281-302.		6
38	Governing Urban Sustainability Transformations. , 2018, , 303-326.		9
39	Understanding, Implementing, and Tracking Urban Metabolism Is Key to Urban Futures. , 2018, , 68-91.		6
40	New Integrated Urban Knowledge for the Cities We Want. , 2018, , 462-482.		5
41	Embracing Urban Complexity. , 2018, , 45-67.		19
42	The UN, the Urban Sustainable Development Goal, and the New Urban Agenda. , 2018, , 180-196.		21
43	Urban tinkering. Sustainability Science, 2018, 13, 1549-1564.	4.9	40
44	Global Urbanization. , 2018, , 19-44.		37
45	Rethinking the role of occupant behavior in building energy performance: A review. Energy and Buildings, 2018, 172, 279-294.	6.7	296
46	Global sustainability: the challenge ahead. Global Sustainability, 2018, 1, .	3.3	16
47	Six research priorities for cities and climate change. Nature, 2018, 555, 23-25.	27.8	446
48	The urban south and the predicament of global sustainability. Nature Sustainability, 2018, 1, 341-349.	23.7	321
49	Advance the ecosystem approach in cities. Nature, 2018, 559, 7-7.	27.8	19
50	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
51	Linking Urbanization and the Environment: Conceptual and Empirical Advances. Annual Review of Environment and Resources, 2017, 42, 215-240.	13.4	222
52	Scientists must have a say in the future of cities. Nature, 2016, 538, 165-166.	27.8	161
53	Quantifying and managing food-sourced nutrient metabolism in Chinese cities. Environment International, 2016, 94, 388-395.	10.0	87
54	Positive visions for guiding urban transformations toward sustainable futures. Current Opinion in Environmental Sustainability, 2016, 22, 33-40.	6.3	162

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55	Defining and advancing a systems approach for sustainable cities. <i>Current Opinion in Environmental Sustainability</i> , 2016, 23, 69-78.	6.3	313
56	Eight energy and material flow characteristics of urban ecosystems. <i>Ambio</i> , 2016, 45, 819-830.	5.5	117
57	Plausible and desirable futures in the Anthropocene: A new research agenda. <i>Global Environmental Change</i> , 2016, 39, 351-362.	7.8	389
58	The Role of University Partnerships in Urban Sustainability Experiments: Evidence from Asia. <i>Hexagon Series on Human and Environmental Security and Peace</i> , 2016, , 631-653.	0.2	2
59	Down to Earth: Contextualizing the Anthropocene. <i>Global Environmental Change</i> , 2016, 39, 341-350.	7.8	239
60	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
61	Re-conceptualizing the Anthropocene: A call for collaboration. <i>Global Environmental Change</i> , 2016, 39, 318-327.	7.8	210
62	Changing urban phosphorus metabolism: Evidence from Longyan City, China. <i>Science of the Total Environment</i> , 2015, 536, 924-932.	8.0	82
63	Greenhouse Gas Emissions Accounting of Urban Residential Consumption: A Household Survey Based Approach. , 2015, , 35-64.		0
64	Sustainable Urbanization in Western China. <i>Environment</i> , 2014, 56, 12-24.	1.4	60
65	University partnerships for co-designing and co-producing urban sustainability. <i>Global Environmental Change</i> , 2014, 28, 153-165.	7.8	169
66	Society: Realizing China's urban dream. <i>Nature</i> , 2014, 509, 158-160.	27.8	925
67	Opportunities and challenges for development of urbanization in Western China. <i>Chinese Journal of Population Resources and Environment</i> , 2013, 11, 236-243.	1.5	1
68	Greenhouse Gas Emissions Accounting of Urban Residential Consumption: A Household Survey Based Approach. <i>PLoS ONE</i> , 2013, 8, e55642.	2.5	133
69	Greening Growing Giants. <i>Journal of Industrial Ecology</i> , 2012, 16, 459-466.	5.5	18
70	Landscape Urbanization and Economic Growth in China: Positive Feedbacks and Sustainability Dilemmas. <i>Environmental Science & Technology</i> , 2012, 46, 132-139.	10.0	363
71	Reconstructing the Energy History of a City. <i>Journal of Industrial Ecology</i> , 2012, 16, 862-874.	5.5	18
72	A vision for human well-being: transition to social sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 61-73.	6.3	138

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73	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
74	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
75	Urban Phosphorus Metabolism through Food Consumption. <i>Journal of Industrial Ecology</i> , 2012, 16, 588-599.	5.5	91
76	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
77	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
78	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
79	Urban sustainability experiments in Asia: patterns and pathways. <i>Environmental Science and Policy</i> , 2010, 13, 312-325.	4.9	248
80	Sustainability experiments in Asia: innovations shaping alternative development pathways?. <i>Environmental Science and Policy</i> , 2010, 13, 261-271.	4.9	189
81	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
82	Global Change and the Ecology of Cities. <i>Science</i> , 2008, 319, 756-760.	12.6	4,931
83	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
84	Industrial Ecology and the Global Impacts of Cities. <i>Journal of Industrial Ecology</i> , 2007, 11, 1-6.	5.5	141
85	The composition, trend and impact of urban solid waste in Beijing. <i>Environmental Monitoring and Assessment</i> , 2007, 135, 21-30.	2.7	63
86	Integrating Global Environmental Concerns into Urban Management: The Scale and Readiness Arguments. <i>Journal of Industrial Ecology</i> , 2007, .	5.5	1
87	Pollution Control: In China's Huai River Basin: What Lessons for Sustainability?. <i>Environment</i> , 2006, 48, 22-38.	1.4	253
88	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
89	Industrial Relocation in AsiaA Sound Environmental Management Strategy?. <i>Environment</i> , 2002, 44, 8-21.	1.4	17
90	Towards sustainable urban water resource management: a case study in Tianjin, China. <i>Sustainable Development</i> , 2001, 9, 24-35.	12.5	49

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91	Urban ecology and industrial ecology. , 0, , .		3
92	Urban Energy Systems. , 0, , 1307-1400.		98
93	Every Community Needs a Forest of Imagination. , 0, , 362-364.		0
94	Can Big Data Make a Difference for Urban Management?1. , 0, , 218-238.		2
95	Situating Knowledge and Action for an Urban Planet. , 0, , 1-16.		10
96	Collaborative and Equitable Urban Citizen Science. , 0, , 239-260.		1
97	Sustainability Transformation Emerging from Better Governance. , 0, , 263-280.		6
98	Banksy and the Biologist. , 0, , 359-361.		0
99	A Chimera Called "Smart Cities", , 0, , 368-370.		1
100	Beyond Fill-in-the-Blank Cities. , 0, , 371-373.		0
101	Persuading Policy-Makers to Implement Sustainable City Plans. , 0, , 374-375.		0
102	To Live or Not to Live. , 0, , 376-378.		0
103	Cities as Global Organisms. , 0, , 384-385.		0
104	Building Cities. , 0, , 388-390.		0
105	The False Distinctions of Socially Engaged Art and Art. , 0, , 391-393.		0
106	Overcoming Inertia and Reinventing "Retreat", , 0, , 394-396.		0
107	Money for Old Rope. , 0, , 397-399.		0
108	Understanding Arab Cities. , 0, , 404-407.		0

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109	Who Can Implement the Sustainable Development Goals in Urban Areas?. , 0, , 408-410.		4
110	The Rebellion of Memory. , 0, , 417-419.		0
111	Cities Donâ€™t Need â€œBigâ€•Data â€œ They Need Innovations That Connect to the Local. , 0, , 420-421.		0
112	Digital Urbanization and the End of Big Cities. , 0, , 422-424.		0
113	The Art of Engagement / Activating Curiosity. , 0, , 425-427.		0
114	Nairobiâ€™s Illegal City-Makers. , 0, , 428-429.		0
115	Sketches of an Emotional Geography Towards a New Citizenship. , 0, , 445-450.		0
116	Greening Cities. , 0, , 453-454.		0
117	Recognition Deficit and the Struggle for Unifying City Fragments. , 0, , 455-457.		0
118	Broadening Our Vision to Find a New Eco-Spiritual Way of Living. , 0, , 460-461.		0
119	Sustainability, Karachi, and Other Irreconcilables. , 0, , 353-356.		0
120	Achieving Sustainable Cities by Focusing on the Urban Underserved. , 0, , 411-416.		0
121	The Sea Wall. , 0, , 433-435.		0
122	What Knowledge Do Cities Themselves Need?. , 0, , 357-358.		0
123	City Fragmentation and the Commons. , 0, , 379-383.		0
124	From Concrete Structures to Green Diversity. , 0, , 386-387.		0
125	Aesthetic Appreciation of Tagging. , 0, , 400-403.		0
126	Active Environmental Citizens with Receptive Government Officials Can Enact Change. , 0, , 430-432.		0

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127	Private Fears in Public Spaces. , 0, , 440-442.		0
128	Disrespecting the Knowledge of Place. , 0, , 458-459.		0
129	How Can We Shift from an Image-Based Society to a Life-Based Society?. , 0, , 365-367.		0
130	Harness Urban Complexity for Health and Well-Being. , 0, , 113-129.		4
131	Academics and Nonacademics. , 0, , 436-439.		0
132	The Shift in Urban Technology Innovation from Top-Down to Bottom-Up Sources. , 0, , 451-452.		0
133	Indicators for Measuring Urban Sustainability and Resilience. , 0, , 163-179.		4
134	Energizing Sustainable Cities. , 0, , .		16