Bing Xue

List of Publications by Year
in descending order

123 papers	5,145 citations	76196 40 h-index	98622 67 g-index
132 all docs	132 docs citations	132 times ranked	4489 citing authors

#	Article	IF	Citations
1	Towards a national circular economy indicator system in China: an evaluation and critical analysis. Journal of Cleaner Production, 2012, 23, 216-224.	4.6	613
2	Features, trajectories and driving forces for energy-related GHG emissions from Chinese mega cites: The case of Beijing, Tianjin, Shanghai and Chongqing. Energy, 2012, 37, 245-254.	4.5	185
3	Survey of officialsâ€™ awareness on circular economy development in China: Based on municipal and county level. Resources, Conservation and Recycling, 2010, 54, 1296-1302.	5.3	165
4	Sustainability aspects of a digitalized industry â€“ A comparative study from China and Germany. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 227-234.	2.7	142
5	Regional water footprint evaluation in China: A case of Liaoning. Science of the Total Environment, 2013, 442, 215-224.	3.9	137
6	Creating a â€œgreen universityâ€•in China: a case of Shenyang University. Journal of Cleaner Production, 2013, 61, 13-19.	4.6	135
7	An overview of e-waste management in China. Journal of Material Cycles and Waste Management, 2015, 17, 1-12.	1.6	130
8	Exploring driving factors of energy-related CO2 emissions in Chinese provinces: A case of Liaoning. Energy Policy, 2013, 60, 820-826.	4.2	120
9	Environmental influence assessment of Chinaâ€™s multi-crystalline silicon (multi-Si) photovoltaic modules considering recycling process. Solar Energy, 2017, 143, 132-141.	2.9	114
10	Emergy-based assessment on industrial symbiosis: a case of Shenyang Economic and Technological Development Zone. Environmental Science and Pollution Research, 2014, 21, 13572-13587.	2.7	107
11	More Sustainability in Industry through Industrial Internet of Things?. Applied Sciences (Switzerland), 2018, 8, 219.	1.3	107
12	Contributing to local policy making on GHG emission reduction through inventorying and attribution: A case study of Shenyang, China. Energy Policy, 2011, 39, 5999-6010.	4.2	105
13	Consumersâ€™ perception, purchase intention, and willingness to pay for carbon-labeled products: A case study of Chengdu in China. Journal of Cleaner Production, 2018, 171, 1664-1671.	4.6	105
14	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
15	Spatial-temporal patterns and driving factors for industrial wastewater emission in China. Journal of Cleaner Production, 2014, 76, 116-124.	4.6	101
16	Feature Selection to Improve Generalization of Genetic Programming for High-Dimensional Symbolic Regression. IEEE Transactions on Evolutionary Computation, 2017, 21, 792-806.	7.5	97
17	Analysis of the co-benefits of climate change mitigation and air pollution reduction in China. Journal of Cleaner Production, 2013, 58, 130-137.	4.6	91
18	Co-benefit evaluation for urban public transportation sector â€“ a case of Shenyang, China. Journal of Cleaner Production, 2013, 58, 82-91.	4.6	90

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19	Urban ecological footprint analysis: a comparative study between Shenyang in China and Kawasaki in Japan. Journal of Cleaner Production, 2014, 75, 130-142.	4.6	80
20	A life cycle co-benefits assessment of wind power in China. Renewable and Sustainable Energy Reviews, 2015, 41, 338-346.	8.2	80
21	Who is energy poor? Evidence from the least developed regions in China. Energy Policy, 2020, 137, 111122.	4.2	79
22	A review on China's pollutant emissions reduction assessment. Ecological Indicators, 2014, 38, 272-278.	2.6	74
23	An Overview of Chinese Green Building Standards. Sustainable Development, 2012, 20, 211-221.	6.9	71
24	Future trends and guidance for the triple bottom line and sustainability: a data driven bibliometric analysis. Environmental Science and Pollution Research, 2020, 27, 33543-33567.	2.7	68
25	High-quality Economic Growth under the Influence of Technological Innovation Preference in China: A Numerical Simulation from the Government Financial Perspective. Structural Change and Economic Dynamics, 2020, 54, 163-172.	2.1	64
26	Spatial evolution of population change in Northeast China during 1992â€“2018. Science of the Total Environment, 2021, 776, 146023.	3.9	64
27	Short period PM2.5 prediction based on multivariate linear regression model. PLoS ONE, 2018, 13, e0201011.	1.1	59
28	A Review of Chinaâ€™s Rural Water Management. Sustainability, 2015, 7, 5773-5792.	1.6	58
29	An Assessment of Poverty Alleviation Measures and Sustainable Livelihood Capability of Farm Households in Rural China: A Sustainable Livelihood Approach. Agriculture (Switzerland), 2021, 11, 1230.	1.4	57
30	Comparing the energy transitions in Germany and China: Synergies and recommendations. Energy Reports, 2019, 5, 1249-1260.	2.5	56
31	Sustainability Investigation of Resource-Based Cities in Northeastern China. Sustainability, 2016, 8, 1058.	1.6	55
32	Toward sustainable crop production in China: An emergy-based evaluation. Journal of Cleaner Production, 2019, 206, 11-26.	4.6	53
33	Co-benefits analysis on climate change and environmental effects of wind-power: A case study from Xinjiang, China. Renewable Energy, 2013, 57, 35-42.	4.3	50
34	The COVID-19 crisis deepens the gulf between leaders and laggards in the global energy transition. Energy Research and Social Science, 2021, 74, 101981.	3.0	50
35	Awareness of food waste recycling in restaurants: evidence from China. Resources, Conservation and Recycling, 2020, 161, 104949.	5.3	49
36	Reconsidering brownfield redevelopment strategy in Chinaâ€™s old industrial zone: a health risk assessment of heavy metal contamination. Environmental Science and Pollution Research, 2015, 22, 2765-2775.	2.7	48

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37	Survey on the householdsâ€™ energy-saving behaviors and influencing factors in the rural loess hilly region of China. Journal of Cleaner Production, 2019, 230, 547-556.	4.6	46
38	The effects of China's western development strategy implementation on local ecological economic performance. Journal of Cleaner Production, 2018, 202, 925-933.	4.6	45
39	Environmental Legislation in China: Achievements, Challenges and Trends. Sustainability, 2014, 6, 8967-8979.	1.6	44
40	Rural household energy consumption of farmers and herders in the Qinghai-Tibet Plateau. Energy, 2020, 192, 116649.	4.5	44
41	China's uncertain CO2 emissions. Nature Climate Change, 2012, 2, 762-762.	8.1	42
42	Measurement of polycyclic aromatic hydrocarbons (PAHs) in a Chinese brownfield redevelopment site: The case of Shenyang. Ecological Engineering, 2013, 53, 115-119.	1.6	39
43	Economic Growth and Pollution Emission in China: Structural Path Analysis. Sustainability, 2018, 10, 2569.	1.6	37
44	Inventorying heavy metal pollution in redeveloped brownfield and its policy contribution: Case study from Tiexi District, Shenyang, China. Land Use Policy, 2014, 38, 138-146.	2.5	36
45	Empirical study on the environmental pressure versus economic growth in China during 1991â€“2012. Resources, Conservation and Recycling, 2015, 101, 182-193.	5.3	36
46	Effects of the Northeast China Revitalization Strategy on Regional Economic Growth and Social Development. Chinese Geographical Science, 2020, 30, 791-809.	1.2	36
47	Understanding the Causality between Carbon Dioxide Emission, Fossil Energy Consumption and Economic Growth in Developed Countries: An Empirical Study. Sustainability, 2014, 6, 1037-1045.	1.6	34
48	Developing a hierarchical structure of the co-benefits of the triple bottom line under uncertainty. Journal of Cleaner Production, 2018, 195, 908-918.	4.6	34
49	A life-cycle based co-benefits analysis of biomass pellet production in China. Renewable Energy, 2020, 154, 445-452.	4.3	34
50	An overview of municipal solid waste management in Inner Mongolia Autonomous Region, China. Journal of Material Cycles and Waste Management, 2011, 13, 283-292.	1.6	32
51	Identification method and empirical study of urban industrial spatial relationship based on POI big data: a case of Shenyang City, China. Geography and Sustainability, 2020, 1, 152-162.	1.9	32
52	The Decoupling of Resource Consumption and Environmental Impact from Economic Growth in China: Spatial Pattern and Temporal Trend. Sustainability, 2016, 8, 222.	1.6	31
53	Inter-city passenger transport in larger urban agglomeration area: emissions and health impacts. Journal of Cleaner Production, 2016, 114, 412-419.	4.6	28
54	Emergy-based assessment on the brownfield redevelopment of one old industrial area: a case of Tiexi in China. Journal of Cleaner Production, 2016, 114, 150-159.	4.6	27

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55	Pursuing co-benefits in Chinaâ€™s old industrial base: A case of Shenyang. Urban Climate, 2012, 1, 55-64.	2.4	26
56	Structural Risk Minimization-Driven Genetic Programming for Enhancing Generalization in Symbolic Regression. IEEE Transactions on Evolutionary Computation, 2019, 23, 703-717.	7.5	26
57	Quantifying the Economy-Environment Interactions in Tourism: Case of Gansu Province, China. Sustainability, 2018, 10, 711.	1.6	25
58	Indicators for energy transition targets in China and Germany: A text analysis. Ecological Indicators, 2020, 111, 106012.	2.6	25
59	Regional societal and ecosystem metabolism analysis in China: A multi-scale integrated analysis of societal metabolism(MSIASM) approach. Energy, 2011, 36, 4799-4808.	4.5	24
60	Improving Generalisation of Genetic Programming for Symbolic Regression with Structural Risk Minimisation. , 2016, , .		23
61	What factors affect the water saving behaviors of farmers in the Loess Hilly Region of China?. Journal of Environmental Management, 2021, 292, 112683.	3.8	23
62	Features, Driving Forces and Transition of the Household Energy Consumption in China: A Review. Sustainability, 2019, 11, 1186.	1.6	22
63	Measuring Regional Eco-Efficiency in China (2003â€“2016): A â€œFull Worldâ€•Perspective and Network Data Envelopment Analysis. International Journal of Environmental Research and Public Health, 2020, 17, 3456.	1.2	21
64	Regional medical waste management in China: a case study of Shenyang. Journal of Material Cycles and Waste Management, 2013, 15, 310-320.	1.6	20
65	Emergy-Based Cityâ€™s Sustainability and Decoupling Assessment: Indicators, Features and Findings. Sustainability, 2014, 6, 952-966.	1.6	19
66	Evaluation of GHG emissions from the production of magnesia refractory raw materials in Dashiqiao, China. Journal of Cleaner Production, 2016, 135, 214-222.	4.6	19
67	Assessing the environmental sustainability with a co-benefits approach: a study of industrial sector in Baoshan District in Shanghai. Journal of Cleaner Production, 2016, 114, 114-123.	4.6	19
68	A survey-based investigation of greenhouse gas and pollutant emissions from household energy consumption in the Qinghai-Tibet Plateau of China. Energy and Buildings, 2021, 235, 110753.	3.1	19
69	Rademacher Complexity for Enhancing the Generalization of Genetic Programming for Symbolic Regression. IEEE Transactions on Cybernetics, 2022, 52, 2382-2395.	6.2	18
70	Emergy-based indicators of the environmental impacts and driving forces of non-point source pollution from crop production in China. Ecological Indicators, 2021, 121, 107023.	2.6	18
71	Extended Land-Use Coding System and Its Application in Urban Brownfield Redevelopment: Case Study of Tiexi District in Shenyang, China. Journal of the Urban Planning and Development Division, ASCE, 2016, 142, 05015014.	0.8	17
72	Farmer householdsâ€™ livelihood resilience in ecological-function areas: case of the Yellow River water source area of China. Environment, Development and Sustainability, 2022, 24, 9665-9686.	2.7	17

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73	Implications of Industry 4.0 on industrial employment: A comparative survey from Brazilian, Chinese, and German practitioners. Technology in Society, 2022, 70, 102028.	4.8	17
74	Residential Energy Sustainability in China and Germany: The Impact of National Energy Policy System. Sustainability, 2018, 10, 4535.	1.6	15
75	Assessing the Economic-Environmental Efficiency of Energy Consumption and Spatial Patterns in China. Sustainability, 2019, 11, 591.	1.6	15
76	Effects of social capital, risk perception and awareness on environmental protection behavior. Ecosystem Health and Sustainability, 2021, 7, .	1.5	14
77	Opportunity or threat in balancing social, economic and environmental impacts: The appearance of the Polar Silk Road. Environmental Impact Assessment Review, 2021, 88, 106570.	4.4	14
78	Customer Concentration and Corporate Innovation: Effects of Financing Constraints and Managersâ€™ Expectation of Chinese Listed Companies. Sustainability, 2019, 11, 2859.	1.6	13
79	Effects of Officialsâ€™ Cross-Regional Redeployment on Regional Environmental Quality in China. Environmental Management, 2019, 64, 757-771.	1.2	13
80	Impact of Industry 4.0 on corporate environmental sustainability: Comparing practitionersâ€™ perceptions from China, Brazil and Germany. Sustainable Production and Consumption, 2022, 31, 287-300.	5.7	13
81	Inter-provincial clean development mechanism in China: A case study of the solar PV sector. Energy Policy, 2013, 57, 454-461.	4.2	12
82	The Influence of Farmersâ€™ Livelihood Strategies on Household Energy Consumption in the Eastern Qinghaiâ€“Tibet Plateau, China. Sustainability, 2018, 10, 1780.	1.6	12
83	Genetic Programming with Rademacher Complexity for Symbolic Regression. , 2019, , .		12
84	Improvement of environmental performance and optimization of industrial structure of the Yangtze River economic belt in China: going forward together or restraining each other?. Journal of Chinese Governance, 2021, 6, 435-455.	1.1	12
85	Integrating Quantity and Quality to Assess Urban Green Space Improvement in the Compact City. Land, 2021, 10, 1367.	1.2	11
86	Reviewing air pollution and public health in China. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2018, 171, 358-367.	0.4	10
87	Modeling of Waste Flow in Industrial Symbiosis System at City-Region Level: A Case Study of Jinchang, China. Sustainability, 2021, 13, 466.	1.6	10
88	Honing the climate change message. Science, 2015, 348, 872-872.	6.0	9
89	Influence of Major Public Health Emergencies on Family Relationship and Humanistic Geographical Characteristics of China. International Journal of Environmental Research and Public Health, 2021, 18, 3879.	1.2	9
90	Sustainability in China: Bridging Global Knowledge with Local Action. Sustainability, 2015, 7, 3714-3720.	1.6	8

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91	Improving symbolic regression based on correlation between residuals and variables. , 2020, , .		8
92	Emergy-based study on eco-economic system of arid and semi-arid region: a case of Gansu province, China. Journal of Arid Land, 2010, 2, 207-213.	0.9	8
93	The contribution of data-driven poverty alleviation funds in achieving mid-21st-Century multidimensional poverty alleviation planning. Humanities and Social Sciences Communications, 2022, 9, .	1.3	8
94	Cross-City Convergence in Urban Green Space Coverage in China. Sustainability, 2019, 11, 4707.	1.6	7
95	Classification Method and Determination of Mountainous Area Types at Township Scales: A Case Study of Yuxi City, Yunnan Province. Complexity, 2020, 2020, 1-13.	0.9	7
96	Adaptive weighted splines. , 2020, , .		7
97	Dynamic Panel Threshold Model-Based Analysis on Equity Restriction and Enterprise Performance in China. Sustainability, 2019, 11, 6489.	1.6	5
98	Comparison of Usage and Influencing Factors between Governmental Public Bicycles and Dockless Bicycles in Linfen City, China. Sustainability, 2021, 13, 6890.	1.6	5
99	Analysis of Transition Process from Waste Management towards Resource Management System. , 2008, , .		4
100	Space-Time Characteristics of Vegetation Cover and Distribution: Case of the Henan Province in China. Sustainability, 2015, 7, 11967-11979.	1.6	4
101	An Emergy and Decomposition Assessment of Chinaâ€™s Crop Production: Sustainability and Driving Forces. Sustainability, 2018, 10, 3938.	1.6	4
102	Bag of Geomorphological Words: A Framework for Integrating Terrain Features and Semantics to Support Landform Object Recognition from High-Resolution Digital Elevation Models. ISPRS International Journal of Geo-Information, 2020, 9, 620.	1.4	4
103	Urban Circular Economy in China: A Review Based on Chinese Literature Studies. Complexity, 2021, 2021, 1-10.	0.9	4
104	Spatio-Temporal Processes and Characteristics of Vegetation Recovery in the Earthquake Area: A Case Study of Wenchuan, China. Land, 2022, 11, 477.	1.2	4
105	Modelling impact of climate change and air pollution in cities. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2017, 170, 133-140.	0.4	3
106	Could the Construction of Sustainable Development Pilot Zones Improve the Urban Environment Efficiency in China?. Discrete Dynamics in Nature and Society, 2020, 2020, 1-9.	0.5	3
107	Survey on Public Psychological Intervention Demand and Influence Factors Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 4808.	1.2	3
108	Regional Differentiation and Influencing Factor Analysis of Residentsâ€™ Psychological Status during the Early Stage of the COVID-19 Pandemic in South China. International Journal of Environmental Research and Public Health, 2021, 18, 11995.	1.2	3

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109	LCA-Based Carbon Footprint Accounting of Mixed Rare Earth Oxides Production from Ionic Rare Earths. Processes, 2022, 10, 1354.	1.3	3
110	An Exploratory Evaluation of Multiscale Data Analysis for Landform Element Detection on High-Resolution DEM. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
111	Genetic Algorithm for Feature and Latent Variable Selection for Nutrient Assessment in Horticultural Products. , 2021, , .		2
112	Transport energy consumption of rural households in the Tibetan Plateau of China. Proceedings of Institution of Civil Engineers: Energy, 2021, 174, 137-144.	0.5	2
113	A Quantitative Modeling and Prediction Method for Sustained Rainfall-PM2.5 Removal Modes on a Micro-Temporal Scale. Sustainability, 2021, 13, 11022.	1.6	2
114	Synergistic Evaluation and Constraint Factor Analysis on Urban Industrial Ecosystems of Traditional Industrial Area in China. Complexity, 2020, 2020, 1-16.	0.9	1
115	Multi-objective genetic programming for symbolic regression with the adaptive weighted splines representation. , 2021, , .		1
116	Ontology-Based Probabilistic Estimation for Assessing Semantic Similarity of Land Use/Land Cover Classification Systems. Land, 2021, 10, 920.	1.2	1
117	Aspect in Topography to Enhance Fine-detailed Landform Element Extraction on High-resolution DEM. Chinese Geographical Science, 2021, 31, 915-930.	1.2	1
118	Has the Sudden Health Emergency Impacted Public Awareness? Survey-Based Evidence from China. Behavioral Sciences (Basel, Switzerland), 2022, 12, 21.	1.0	1
119	Towards Multi-Scale Space-Time Characteristics of Air Quality and Population Exposure Risk. Sustainability, 2022, 14, 96.	1.6	1
120	Study on Meta Index in the Process of Evaluating Regional Sustainable Development. , 2010, , .		0
121	Household energy consumption characteristics of the Tus ethnic group in the northeast of the Tibetan Plateau. Journal of Natural Resources, 2020, 35, 2793.	0.4	0
122	Reshaping Natural Resource Management in China. Sustainable Development Goals Series, 2021, , 89-103.	0.2	0
123	Influences of the COVID-19 pandemic and response strategies on residentsâ€™ psychological state: The survey from Hainan Island. PLoS ONE, 2022, 17, e0261537.	1.1	0