Bing Zhu

List of Publications by Year
in descending order

42 papers	1,756 citations	257450 24 h-index	276875 41 g-index
43 all docs	43 docs citations	43 times ranked	1701 citing authors

#	Article	IF	Citations
1	Eco-efficiency trends in China, 1978â€“2010: Decoupling environmental pressure from economic growth. Ecological Indicators, 2013, 24, 177-184.	6.3	193
2	Uncertainty modeling of CCS investment strategy in Chinaâ€™s power sector. Applied Energy, 2010, 87, 2392-2400.	10.1	150
3	CO2 emissions and mitigation potential in Chinaâ€™s ammonia industry. Energy Policy, 2010, 38, 3701-3709.	8.8	92
4	Scenario analysis of CO2 emissions from Chinaâ€™s civil aviation industry through 2030. Applied Energy, 2016, 175, 100-108.	10.1	90
5	A case study of a phosphorus chemical firm's application of resource efficiency and eco-efficiency in industrial metabolism under circular economy. Journal of Cleaner Production, 2015, 87, 839-849.	9.3	82
6	Decoupling environmental pressure from economic growth on city level: The Case Study of Chongqing in China. Ecological Indicators, 2017, 75, 27-35.	6.3	82
7	A Material Flow Analysis (MFA)-based potential analysis of eco-efficiency indicators of China's cement and cement-based materials industry. Journal of Cleaner Production, 2016, 112, 787-796.	9.3	75
8	Energy consumption patterns in the process of Chinaâ€™s urbanization. Population and Environment, 2012, 33, 202-220.	3.0	63
9	Assessment of Plastic Stocks and Flows in China: 1978-2017. Resources, Conservation and Recycling, 2020, 161, 104969.	10.8	62
10	Provincial and sector-level material footprints in China. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26484-26490.	7.1	60
11	Estimation of Waste Battery Generation and Analysis of the Waste Battery Recycling System in China. Journal of Industrial Ecology, 2017, 21, 57-69.	5.5	55
12	CO2 emissions and reduction potential in Chinaâ€™s chemical industry. Energy, 2010, 35, 4663-4670.	8.8	53
13	Critical review of global plastics stock and flow data. Journal of Industrial Ecology, 2021, 25, 1300-1317.	5.5	53
14	How policy choice affects investment in low-carbon technology: The case of CO2 capture in indirect coal liquefaction in China. Energy, 2014, 73, 670-679.	8.8	49
15	CO2 emissions in calcium carbide industry: An analysis of China's mitigation potential. International Journal of Greenhouse Gas Control, 2011, 5, 1240-1249.	4.6	46
16	Adoption of renewable energy technologies (RETs): A survey on rural construction in China. Technology in Society, 2011, 33, 223-230.	9.4	42
17	From Production to Consumption: A Coupled Humanâ€“Environmental Nitrogen Flow Analysis in China. Environmental Science & Technology, 2018, 52, 2025-2035.	10.0	41
18	Study on Systems Based on Coal and Natural Gas for Producing Dimethyl Ether. Industrial & Engineering Chemistry Research, 2009, 48, 4101-4108.	3.7	39

#	Article	IF	Citations
19	The effect of remanufacturing and direct reuse on resource productivity of Chinaâ€™s automotive production. Journal of Cleaner Production, 2018, 194, 309-317.	9.3	38
20	Capturing CO2 from cement plants: A priority for reducing CO2 emissions in China. Energy, 2016, 106, 464-474.	8.8	33
21	Technoeconomic assessment of Chinaâ€™s indirect coal liquefaction projects with different CO2 capture alternatives. Energy, 2011, 36, 6559-6566.	8.8	32
22	An assessment of the energy-saving potential in China's petroleum refining industry from a technical perspective. Energy, 2013, 59, 38-49.	8.8	30
23	Exploring socioeconomic drivers of environmental pressure on the city level: The case study of Chongqing in China. Ecological Economics, 2015, 118, 123-131.	5.7	27
24	A two-tiered attribution structural decomposition analysis to reveal drivers at both sub-regional and sectoral levels: A case study of energy consumption in the Jing-Jin-Ji region. Journal of Cleaner Production, 2019, 213, 165-175.	9.3	27
25	Different Material Footprint Trends between China and the World in 2007-2012 Explained by Construction- and Manufacturing-associated Investment. One Earth, 2022, 5, 109-119.	6.8	27
26	Material footprint of a fast-industrializing region in China, Part 1: Exploring the materialization process of Liaoning Province. Resources, Conservation and Recycling, 2018, 134, 228-238.	10.8	26
27	Evaluation and analysis on the green development of China's industrial parks using the long-tail effect model. Journal of Environmental Management, 2019, 248, 109288.	7.8	22
28	Stocks and flows of sand, gravel, and crushed stone in China (1978â€“2018): Evidence of the peaking and structural transformation of supply and demand. Resources, Conservation and Recycling, 2022, 180, 106173.	10.8	19
29	Improving Subnational Inputâ€“Output Analyses Using Regional Trade Data: A Case-Study and Comparison. Environmental Science & Technology, 2020, 54, 12732-12741.	10.0	17
30	Copper in-use stocks accounting at the sub-national level in China. Resources, Conservation and Recycling, 2019, 147, 49-60.	10.8	16
31	System analysis of grain straw for centralised industrial usages in China. Biomass and Bioenergy, 2012, 47, 277-288.	5.7	15
32	Optimization and analysis of a bioethanol agro-industrial system from sweet sorghum. Renewable Energy, 2010, 35, 2902-2909.	8.9	12
33	Carbon substance flow analysis and CO2 emission scenario analysis for China. Clean Technologies and Environmental Policy, 2012, 14, 815-825.	4.1	11
34	Industrial straw utilization in China: Simulation and analysis of the dynamics of technology application and competition. Technology in Society, 2012, 34, 207-215.	9.4	11
35	Dynamics of material productivity and socioeconomic factors based on auto-regressive distributed lag model in China. Journal of Cleaner Production, 2016, 137, 752-761.	9.3	11
36	Advancing factors influencing resource productivity through the use of the material utility framework. Journal of Cleaner Production, 2017, 142, 1892-1900.	9.3	10

#	Article	IF	Citations
37	U.S.â€“China Collaboration is Vital to Global Plans for a Healthy Environment and Sustainable Development. Environmental Science & Technology, 2021, 55, 9622-9626.	10.0	10
38	The path to carbon neutrality in China: A paradigm shift in fossil resource utilization. , 2022, 1, 129-135.		10
39	Towards a low-carbon economy: Coping with technological bifurcations with a carbon tax. Energy Economics, 2012, 34, 2081-2088.	12.1	8
40	An analysis of an ethanol-based, whole-crop refinery system in China. Chinese Journal of Chemical Engineering, 2016, 24, 1609-1618.	3.5	8
41	Copper ore material footprints and transfers embodied in domestic and international trade of provinces in China. Journal of Industrial Ecology, 2022, 26, 1423-1436.	5.5	6
42	Assessing resource consumption at the subnational level: A novel accounting method based on provincial selected material consumption. Journal of Industrial Ecology, 2021, 25, 580-592.	5.5	3