

# Zengwei Yuan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82  
papers

4,708  
citations

31  
h-index

68  
g-index

83  
ext. papers

5,803  
ext. citations

8.4  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
82	Improving food waste composting efficiency with mature compost addition.. <i>Bioresource Technology</i> , <b>2022</b> , 349, 126830	11	3
81	Recycled WEEE plastics in China: Generation trend and environmental impacts. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 177, 105978	11.9	3
80	Advancing greenhouse gas emission factors for municipal wastewater treatment plants in China. <i>Environmental Pollution</i> , <b>2021</b> , 295, 118648	9.3	0
79	Environmental impacts of hydrometallurgical recycling and reusing for manufacturing of lithium-ion traction batteries in China.. <i>Science of the Total Environment</i> , <b>2021</b> , 811, 152224	10.2	2
78	Environmental burdens of small-scale intensive pig production in China. <i>Science of the Total Environment</i> , <b>2021</b> , 770, 144720	10.2	3
77	Enhancing food security and environmental sustainability: A critical review of food loss and waste management. <i>Resources, Environment and Sustainability</i> , <b>2021</b> , 4, 100023	3.2	13
76	Identifying hotspots based on high-resolution emission inventory of volatile organic compounds: A case study in China. <i>Journal of Environmental Management</i> , <b>2021</b> , 288, 112419	7.9	1
75	Human perturbation on phosphorus cycles in one of China's most eutrophicated lakes. <i>Resources, Environment and Sustainability</i> , <b>2021</b> , 4, 100026	3.2	1
74	Understanding consumers' behavior intention of recycling mobile phone through formal channels in China: The effect of privacy concern. <i>Resources, Environment and Sustainability</i> , <b>2021</b> , 5, 100027	3.2	7
73	Aeration rate improves the compost quality of food waste and promotes the decomposition of toxic materials in leachate by changing the bacterial community. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125716	11	10
72	Assessment of end-of-life electric vehicle batteries in China: Future scenarios and economic benefits. <i>Waste Management</i> , <b>2021</b> , 135, 70-78	8.6	8
71	Historic Trends and Future Prospects of Waste Generation and Recycling in China's Phosphorus Cycle. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 5131-5139	10.3	16
70	Investigating public biodiversity conservation awareness based on the propagation of wildlife-related incidents on the Sina Weibo social media platform. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 094082	6.2	2
69	Environmental impacts of lithium production showing the importance of primary data of upstream process in life-cycle assessment. <i>Journal of Environmental Management</i> , <b>2020</b> , 262, 110253	7.9	15
68	Animal based diets and environment: Perspective from phosphorus flow quantifications of livestock and poultry raising in China. <i>Journal of Environmental Management</i> , <b>2019</b> , 244, 199-207	7.9	9
67	A high spatial-temporal resolution emission inventory of multi-type air pollutants for Wuxi city. <i>Journal of Cleaner Production</i> , <b>2019</b> , 229, 278-288	10.3	23
66	Tracing anthropogenic cadmium emissions: From sources to pollution. <i>Science of the Total Environment</i> , <b>2019</b> , 676, 87-96	10.2	42

65	Phosphorus mitigation remains critical in water protection: A review and meta-analysis from one of China's most eutrophicated lakes. <i>Science of the Total Environment</i> , <b>2019</b> , 689, 1336-1347	10.2	22
64	Phosphorus footprint in China over the 1961-2050 period: Historical perspective and future prospect. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 687-695	10.2	27
63	Intensive carbon dioxide emission of coal chemical industry in China. <i>Applied Energy</i> , <b>2019</b> , 236, 540-550	10.7	42
62	Urban mining potentials of university: In-use and hibernating stocks of personal electronics and students' disposal behaviors. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 143, 210-217	11.9	23
61	Evaluating environmental impacts of pig slurry treatment technologies with a life-cycle perspective. <i>Journal of Cleaner Production</i> , <b>2018</b> , 188, 840-850	10.3	16
60	Enhanced nitrogen and phosphorus flows in a mixed land use basin: Drivers and consequences. <i>Journal of Cleaner Production</i> , <b>2018</b> , 181, 416-425	10.3	11
59	Human Perturbation of the Global Phosphorus Cycle: Changes and Consequences. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2438-2450	10.3	91
58	Using social media to strengthen public awareness of wildlife conservation. <i>Ocean and Coastal Management</i> , <b>2018</b> , 153, 76-83	3.9	54
57	An approach to identify the spatiotemporal patterns of nitrogen flows in food production and consumption systems within watersheds. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 1004-1012	10.2	14
56	Nutrient-derived environmental impacts in Chinese agriculture during 1978-2015. <i>Journal of Environmental Management</i> , <b>2018</b> , 217, 762-774	7.9	21
55	Characterizing copper flows in international trade of China, 1975-2015. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 1238-1246	10.2	26
54	Greening cement in China: A cost-effective roadmap. <i>Applied Energy</i> , <b>2017</b> , 189, 233-244	10.7	12
53	Temporal trends and spatial patterns of energy use efficiency and greenhouse gas emissions in crop production of Anhui Province, China. <i>Energy</i> , <b>2017</b> , 133, 955-968	7.9	18
52	A review of phosphorus management through the food system: identifying the roadmap to ecological agriculture. <i>Journal of Cleaner Production</i> , <b>2016</b> , 114, 45-54	10.3	16
51	Life cycle environmental performance of by-product coke production in China. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 1292-1301	10.3	41
50	Environmental impacts of reclamation and recycling processes of refrigerators using life cycle assessment (LCA) methods. <i>Journal of Cleaner Production</i> , <b>2016</b> , 131, 52-59	10.3	27
49	Improving air pollution control policy in China--A perspective based on cost-benefit analysis. <i>Science of the Total Environment</i> , <b>2016</b> , 543, 307-314	10.2	69
48	Intensification of phosphorus cycling in China since the 1600s. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2609-14	11.5	109

47	Phosphorus flow management of cropping system in Huainan, China, 1990-2012. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 39-48	10.3	17
46	Life cycle assessment of horizontal-axis washing machines in China. <i>International Journal of Life Cycle Assessment</i> , <b>2016</b> , 21, 15-28	4.6	13
45	Life cycle assessment of phosphorus use efficiency in crop production system of three crops in Chaohu Watershed, China. <i>Journal of Cleaner Production</i> , <b>2016</b> , 139, 1298-1307	10.3	13
44	A life-cycle assessment of household refrigerators in China. <i>Journal of Cleaner Production</i> , <b>2015</b> , 95, 301-310	10.3	38
43	Reduction of potential greenhouse gas emissions of room air-conditioner refrigerants: a life cycle carbon footprint analysis. <i>Journal of Cleaner Production</i> , <b>2015</b> , 100, 262-268	10.3	26
42	The future of copper in China--A perspective based on analysis of copper flows and stocks. <i>Science of the Total Environment</i> , <b>2015</b> , 536, 142-149	10.2	37
41	Life-cycle assessment of multi-crystalline photovoltaic (PV) systems in China. <i>Journal of Cleaner Production</i> , <b>2015</b> , 86, 180-190	10.3	119
40	Life-cycle phosphorus management of the crop production-consumption system in China, 1980-2012. <i>Science of the Total Environment</i> , <b>2015</b> , 502, 706-21	10.2	26
39	Understanding aqueous trace metal characteristics from industrial sources in China. <i>Water Policy</i> , <b>2015</b> , 17, 791-803	1.6	2
38	Understanding the spatial and temporal patterns of copper in-use stocks in China. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 6430-7	10.3	34
37	Life cycle assessment of cotton T-shirts in China. <i>International Journal of Life Cycle Assessment</i> , <b>2015</b> , 20, 994-1004	4.6	44
36	Phosphorus Flow Patterns in the Chaohu Watershed from 1978 to 2012. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13973-82	10.3	35
35	Quantification and spatial characterization of in-use copper stocks in Shanghai. <i>Resources, Conservation and Recycling</i> , <b>2014</b> , 93, 134-143	11.9	16
34	Analysis of copper flows in China from 1975 to 2010. <i>Science of the Total Environment</i> , <b>2014</b> , 478, 80-9	10.2	35
33	A bottom-up model for quantifying anthropogenic phosphorus cycles in watersheds. <i>Journal of Cleaner Production</i> , <b>2014</b> , 84, 502-508	10.3	21
32	Data uncertainties in anthropogenic phosphorus flow analysis of lake watershed. <i>Journal of Cleaner Production</i> , <b>2014</b> , 69, 74-82	10.3	17
31	Environmental risk source management system for the petrochemical industry. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 251-260	5.5	25
30	A review of soil heavy metal pollution from mines in China: pollution and health risk assessment. <i>Science of the Total Environment</i> , <b>2014</b> , 468-469, 843-53	10.2	1509

29	Life-cycle phosphorus use efficiency of the farming system in Anhui Province, Central China. <i>Resources, Conservation and Recycling</i> , <b>2014</b> , 83, 1-14	11.9	25
28	Life-cycle assessment of continuous pad-dyeing technology for cotton fabrics. <i>International Journal of Life Cycle Assessment</i> , <b>2013</b> , 18, 659-672	4.6	29
27	Life cycle assessment of water reuse systems in an industrial park. <i>Journal of Environmental Management</i> , <b>2013</b> , 129, 471-8	7.9	49
26	Quantifying Phosphorus Flow Pathways Through Socioeconomic Systems at the County Level in China. <i>Journal of Industrial Ecology</i> , <b>2013</b> , 17, 452-460	7.2	14
25	The influence of public perception on risk acceptance of the chemical industry and the assistance for risk communication. <i>Safety Science</i> , <b>2013</b> , 51, 232-240	5.8	47
24	Public demand for remediating a local ecosystem: comparing WTP and WTA at Hongze Lake, China. <i>Lake and Reservoir Management</i> , <b>2013</b> , 29, 23-32	1.3	5
23	Ecological risk assessment of heavy metals in surface sediments of six major chinese freshwater lakes. <i>Journal of Environmental Quality</i> , <b>2013</b> , 42, 341-50	3.4	55
22	Estimation of Copper In-use Stocks in Nanjing, China. <i>Journal of Industrial Ecology</i> , <b>2012</b> , 16, 191-202	7.2	29
21	Eutrophication mitigation strategies: perspectives from the quantification of phosphorus flows in socioeconomic system of Feixi, Central China. <i>Journal of Cleaner Production</i> , <b>2012</b> , 23, 122-137	10.3	36
20	Life cycle energy consumption and CO2 emission of an office building in China. <i>International Journal of Life Cycle Assessment</i> , <b>2012</b> , 17, 105-118	4.6	115
19	Conserving energy by optimizing the heat exchanger networks of glyphosate production with pinch technology. <i>Clean Technologies and Environmental Policy</i> , <b>2012</b> , 14, 749-757	4.3	1
18	Estimating future generation of obsolete household appliances in China. <i>Waste Management and Research</i> , <b>2012</b> , 30, 1160-8	4	45
17	The influencing factors of the WTP for the risk reduction of chemical industry accidents in China. <i>Frontiers of Environmental Science and Engineering</i> , <b>2012</b> , 6, 860-868	5.8	5
16	Phosphorus flow analysis of the socioeconomic ecosystem of Shucheng County, China <b>2011</b> , 21, 2822-32		19
15	Anthropogenic phosphorus flow analysis of Lujiang County, Anhui Province, Central China. <i>Ecological Modelling</i> , <b>2011</b> , 222, 1534-1543	3	37
14	Understanding the anthropogenic phosphorus pathway with substance flow analysis at the city level. <i>Journal of Environmental Management</i> , <b>2011</b> , 92, 2021-8	7.9	49
13	Predicting future quantities of obsolete household appliances in Nanjing by a stock-based model. <i>Resources, Conservation and Recycling</i> , <b>2011</b> , 55, 1087-1094	11.9	49
12	Analysis of Determining Factors of the Public's Risk Acceptance Level in China. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2010</b> , 16, 365-379	4.9	18

11	Cost-effectiveness of two operational models at industrial wastewater treatment plants in China: a case study in Shengze town, Suzhou City. <i>Journal of Environmental Management</i> , <b>2010</b> , 91, 2038-44	7.9	13
10	Anthropogenic phosphorus flow analysis of Hefei City, China. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 5715-22	10.2	55
9	Does the GreenWatch program work? Evidence from a developed area in China. <i>Journal of Cleaner Production</i> , <b>2010</b> , 18, 454-461	10.3	9
8	Eco-industrial parks: national pilot practices in China. <i>Journal of Cleaner Production</i> , <b>2010</b> , 18, 504-509	10.3	122
7	Which is more cost-effective? A comparison of two wastewater treatment models in ChinaSingapore Suzhou Industrial Park, China. <i>Journal of Cleaner Production</i> , <b>2010</b> , 18, 1270-1275	10.3	21
6	Conserving water by optimizing production schedules in the dyeing industry. <i>Journal of Cleaner Production</i> , <b>2010</b> , 18, 1696-1702	10.3	38
5	Improving enterprise competitive advantage with industrial symbiosis: case study of a smeltery in China. <i>Journal of Cleaner Production</i> , <b>2009</b> , 17, 1295-1302	10.3	65
4	Eco-efficiency analysis of industrial system in China: A data envelopment analysis approach. <i>Ecological Economics</i> , <b>2008</b> , 68, 306-316	5.6	339
3	Where will China go? A viewpoint based on an analysis of the challenges of resource supply and pollution. <i>Environmental Progress</i> , <b>2008</b> , 27, 503-514		12
2	Why do firms engage in environmental management? An empirical study in China. <i>Journal of Cleaner Production</i> , <b>2008</b> , 16, 1036-1045	10.3	192
1	The Circular Economy: A New Development Strategy in China. <i>Journal of Industrial Ecology</i> , <b>2008</b> , 10, 4-8	7.2	390