

# Mianqiang Xue

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

783  
citations

566801

15  
h-index

525886

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of Pt/graphitic C <sub>3</sub> N <sub>4</sub> /MoS <sub>2</sub> heterostructures on photo-enhanced electrocatalytic oxidation of small organic molecules. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 283-293.	10.8	117
2	Assessment of Noise and Heavy Metals (Cr, Cu, Cd, Pb) in the Ambience of the Production Line for Recycling Waste Printed Circuit Boards. <i>Environmental Science &amp; Technology</i> , 2012, 46, 494-499.	4.6	99
3	Well-to-wheel analysis of energy consumption, greenhouse gas and air pollutants emissions of hydrogen fuel cell vehicle in China. <i>Journal of Cleaner Production</i> , 2020, 275, 123061.	4.6	76
4	Waste Management of Printed Wiring Boards: A Life Cycle Assessment of the Metals Recycling Chain from Liberation through Refining. <i>Environmental Science &amp; Technology</i> , 2015, 49, 940-947.	4.6	62
5	Application of Life Cycle Assessment on Electronic Waste Management: A Review. <i>Environmental Management</i> , 2017, 59, 693-707.	1.2	42
6	Electrostatic Separation for Recycling Conductors, Semiconductors, and Nonconductors from Electronic Waste. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10556-10563.	4.6	39
7	Predicting the acute ecotoxicity of chemical substances by machine learning using graph theory. <i>Chemosphere</i> , 2020, 238, 124604.	4.2	34
8	Computer Simulation of the Pneumatic Separator in the Pneumatic Electrostatic Separation System for Recycling Waste Printed Circuit Boards with Electronic Components. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4598-4604.	4.6	29
9	Enhanced formic acid electrooxidation reaction enabled by 3D PtCo nanodendrites electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2019, 774, 274-281.	2.8	29
10	Management strategies on the industrialization road of state-of-the-art technologies for e-waste recycling: the case study of electrostatic separation—a review. <i>Waste Management and Research</i> , 2013, 31, 130-140.	2.2	26
11	Environmental Friendly Crush-Magnetic Separation Technology for Recycling Metal-Plated Plastics from End-of-Life Vehicles. <i>Environmental Science &amp; Technology</i> , 2012, 46, 2661-2667.	4.6	23
12	Emission implications of electric vehicles in Japan considering energy structure transition and penetration uncertainty. <i>Journal of Cleaner Production</i> , 2021, 280, 124402.	4.6	21
13	Dynamic analysis of global warming impact of the household refrigerator sector in Japan from 1952 to 2030. <i>Journal of Cleaner Production</i> , 2017, 145, 172-179.	4.6	18
14	Risks in the Physical Recovery System of Waste Refrigerator Cabinets and the Controlling Measure. <i>Environmental Science &amp; Technology</i> , 2012, 46, 13386-13392.	4.6	17
15	Health risk assessment of heavy metals (Cr, Ni, Cu, Zn, Cd, Pb) in circumjacent soil of a factory for recycling waste electrical and electronic equipment. <i>Journal of Material Cycles and Waste Management</i> , 2013, 15, 556-563.	1.6	16
16	Flow, stock, and impact assessment of refrigerants in the Japanese household air conditioner sector. <i>Science of the Total Environment</i> , 2017, 586, 1308-1315.	3.9	16
17	TSP, PM <sub>10</sub> and health risk assessment for heavy metals (Cr, Ni, Cu, Zn, Cd, Pb) in the ambience of the production line for waste cathode ray tube recycling. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 296-302.	1.6	15
18	Assessment of Ammonia as an Energy Carrier from the Perspective of Carbon and Nitrogen Footprints. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, , .	3.2	15

#	ARTICLE	IF	CITATIONS
19	Flows, stocks, and emissions of DEHP products in Japan. <i>Science of the Total Environment</i> , 2019, 650, 1007-1018.	3.9	15
20	Decabromodiphenyl Ether (DecaBDE) in Electrical and Electronic Equipment in Japan: Stock, Emission, and Substitution Evaluation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13224-13230.	4.6	14
21	Nano-engineered hexagonal PtCuCo nanocrystals with enhanced catalytic activity for ethylene glycol and glycerol electrooxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 477-484.	2.7	14
22	Disposal of waste computer hard disk drive: data destruction and resources recycling. <i>Waste Management and Research</i> , 2013, 31, 559-567.	2.2	12
23	Trade-off analysis between global impact potential and local risk: A case study of refrigerants. <i>Journal of Cleaner Production</i> , 2019, 217, 627-632.	4.6	10
24	Life Cycle Assessment of Nitrogen Circular Economy-Based NOx Treatment Technology. <i>Sustainability</i> , 2021, 13, 7826.	1.6	8
25	Application of fuzzy c-means clustering to PRTR chemicals uncovering their release and toxicity characteristics. <i>Science of the Total Environment</i> , 2018, 622-623, 861-868.	3.9	7
26	Waste Management of Printed Wiring Boards: A Life Cycle Assessment of the Metals Recycling Chain from Liberation through Refining. , 2016, , 287-288.		4
27	Innovative Platform and Incentive Mechanism Are the Keys for Electronic Waste Collection in Developing Countries. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13034-13035.	4.6	3
28	Mitigation of greenhouse gas and reactive nitrogen from the Japanese passenger car fleet. <i>Journal of Cleaner Production</i> , 2020, 277, 123440.	4.6	2