

Yuanan Hu

List of Publications by Year in descending order

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71
papers

6,867
citations

66343

42
h-index

85541

71
g-index

71
all docs

71
docs citations

71
times ranked

7893
citing authors

#	ARTICLE	IF	CITATIONS
1	Municipal solid waste (MSW) as a renewable source of energy: Current and future practices in China. <i>Bioresource Technology</i> , 2010, 101, 3816-3824.	9.6	633
2	Lead (Pb) isotopic fingerprinting and its applications in lead pollution studies in China: A review. <i>Environmental Pollution</i> , 2010, 158, 1134-1146.	7.5	630
3	The Challenges and Solutions for Cadmium-contaminated Rice in China: A Critical Review. <i>Environment International</i> , 2016, 92-93, 515-532.	10.0	518
4	Assessing heavy metal pollution in the surface soils of a region that had undergone three decades of intense industrialization and urbanization. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6150-6159.	5.3	427
5	Geochemical processes controlling fate and transport of arsenic in acid mine drainage (AMD) and natural systems. <i>Journal of Hazardous Materials</i> , 2009, 165, 13-26.	12.4	366
6	Environmental and human health challenges of industrial livestock and poultry farming in China and their mitigation. <i>Environment International</i> , 2017, 107, 111-130.	10.0	291
7	Meeting China's Water Shortage Crisis: Current Practices and Challenges. <i>Environmental Science & Technology</i> , 2009, 43, 240-244.	10.0	223
8	Application of Stochastic Models in Identification and Apportionment of Heavy Metal Pollution Sources in the Surface Soils of a Large-Scale Region. <i>Environmental Science & Technology</i> , 2013, 47, 3752-3760.	10.0	208
9	Heavy metal pollution caused by small-scale metal ore mining activities: A case study from a polymetallic mine in South China. <i>Science of the Total Environment</i> , 2018, 639, 217-227.	8.0	208
10	Municipal solid waste (MSW) incineration fly ash as an important source of heavy metal pollution in China. <i>Environmental Pollution</i> , 2019, 252, 461-475.	7.5	201
11	Degradation of 2,4-dichlorophenoxyacetic acid in water by persulfate activated with FeS (mackinawite). <i>Chemical Engineering Journal</i> , 2017, 313, 498-507.	12.7	167
12	Heavy metal pollution in sediments of a typical mariculture zone in South China. <i>Marine Pollution Bulletin</i> , 2012, 64, 712-720.	5.0	141
13	Leaching of heavy metals from abandoned mine tailings brought by precipitation and the associated environmental impact. <i>Science of the Total Environment</i> , 2019, 695, 133893.	8.0	140
14	Water pollution during China's industrial transition. <i>Environmental Development</i> , 2013, 8, 57-73.	4.1	132
15	Rapid degradation of p -arsanilic acid with simultaneous arsenic removal from aqueous solution using Fenton process. <i>Water Research</i> , 2016, 89, 59-67.	11.3	121
16	Releases of brominated flame retardants (BFRs) from microplastics in aqueous medium: Kinetics and molecular-size dependence of diffusion. <i>Water Research</i> , 2019, 151, 215-225.	11.3	120
17	Mercury in Municipal Solid Waste in China and Its Control: A Review. <i>Environmental Science & Technology</i> , 2012, 46, 593-605.	10.0	115
18	Arsenic pollution of agricultural soils by concentrated animal feeding operations (CAFOs). <i>Chemosphere</i> , 2015, 119, 273-281.	8.2	94

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19	Environmental and Health Impacts of Artificial Turf: A Review. <i>Environmental Science & Technology</i> , 2014, 48, 2114-2129.	10.0	93
20	Extraction and detection of organoarsenic feed additives and common arsenic species in environmental matrices by HPLC-ICP-MS. <i>Microchemical Journal</i> , 2013, 108, 38-45.	4.5	90
21	Comparison of soil heavy metal pollution caused by e-waste recycling activities and traditional industrial operations. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9387-9398.	5.3	90
22	Z-scheme g-C ₃ N ₄ -AQ-MoO ₃ photocatalyst with unique electron transfer channel and large reduction area for enhanced sunlight photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 120025.	20.2	86
23	Curbing dioxin emissions from municipal solid waste incineration in China: Re-thinking about management policies and practices. <i>Environmental Pollution</i> , 2010, 158, 2809-2814.	7.5	85
24	A method for apportionment of natural and anthropogenic contributions to heavy metal loadings in the surface soils across large-scale regions. <i>Environmental Pollution</i> , 2016, 214, 400-409.	7.5	81
25	Impact of mineral micropores on transport and fate of organic contaminants: A review. <i>Journal of Contaminant Hydrology</i> , 2012, 129-130, 80-90.	3.3	73
26	Mechanism, kinetics, and pathways of self-sensitized sunlight photodegradation of phenylarsonic compounds. <i>Water Research</i> , 2016, 96, 136-147.	11.3	71
27	Public Health Risk of Arsenic Species in Chicken Tissues from Live Poultry Markets of Guangdong Province, China. <i>Environmental Science & Technology</i> , 2017, 51, 3508-3517.	10.0	71
28	Mercury risk from fluorescent lamps in China: Current status and future perspective. <i>Environment International</i> , 2012, 44, 141-150.	10.0	68
29	Control of mercury emissions from stationary coal combustion sources in China: Current status and recommendations. <i>Environmental Pollution</i> , 2016, 218, 1209-1221.	7.5	65
30	Influence of chain ordering on frictional properties of self-assembled monolayers (SAMs) in nano-lubrication. <i>Advances in Colloid and Interface Science</i> , 2012, 171-172, 53-65.	14.7	63
31	Planning for sustainability in China's urban development: Status and challenges for Dongtan eco-city project. <i>Journal of Environmental Monitoring</i> , 2010, 12, 119-126.	2.1	61
32	Health risk from veterinary antimicrobial use in China's food animal production and its reduction. <i>Environmental Pollution</i> , 2016, 219, 993-997.	7.5	60
33	Release kinetics as a key linkage between the occurrence of flame retardants in microplastics and their risk to the environment and ecosystem: A critical review. <i>Water Research</i> , 2020, 185, 116253.	11.3	59
34	China's Ban on Phenylarsonic Feed Additives, A Major Step toward Reducing the Human and Ecosystem Health Risk from Arsenic. <i>Environmental Science & Technology</i> , 2019, 53, 12177-12187.	10.0	57
35	Improving China's water resources management for better adaptation to climate change. <i>Climatic Change</i> , 2012, 112, 253-282.	3.6	55
36	Microwave-Induced Degradation of Atrazine Sorbed in Mineral Micropores. <i>Environmental Science & Technology</i> , 2012, 46, 5067-5076.	10.0	52

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37	Kinetics of Brominated Flame Retardant (BFR) Releases from Granules of Waste Plastics. <i>Environmental Science & Technology</i> , 2016, 50, 13419-13427.	10.0	50
38	Understanding the Paradox of Mercury Pollution in China: High Concentrations in Environmental Matrix yet Low Levels in Fish on the Market. <i>Environmental Science & Technology</i> , 2012, 46, 4695-4696.	10.0	49
39	Development and Bottlenecks of Renewable Electricity Generation in China: A Critical Review. <i>Environmental Science & Technology</i> , 2013, 47, 3044-3056.	10.0	47
40	The growing importance of waste-to-energy (WTE) incineration in China's anthropogenic mercury emissions: Emission inventories and reduction strategies. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 119-137.	16.4	47
41	China Needs to Control Mercury Emissions from Municipal Solid Waste (MSW) Incineration. <i>Environmental Science & Technology</i> , 2010, 44, 7994-7995.	10.0	45
42	Public health risk of trace metals in fresh chicken meat products on the food markets of a major production region in southern China. <i>Environmental Pollution</i> , 2018, 234, 667-676.	7.5	44
43	Permanganate oxidation and ferric ion precipitation (KMnO ₄ -Fe(III)) process for treating phenylarsenic compounds. <i>Chemical Engineering Journal</i> , 2019, 357, 600-610.	12.7	43
44	Displacement efficiency of alternative energy and trans-provincial imported electricity in China. <i>Nature Communications</i> , 2017, 8, 14590.	12.8	41
45	A high-efficiency mediator-free Z-scheme Bi ₂ MoO ₆ /AgI heterojunction with enhanced photocatalytic performance. <i>Science of the Total Environment</i> , 2021, 784, 147227.	8.0	39
46	Public health risk of toxic metal(loid) pollution to the population living near an abandoned small-scale polymetallic mine. <i>Science of the Total Environment</i> , 2020, 718, 137434.	8.0	37
47	The urgency of assessing the greenhouse gas budgets of hydroelectric reservoirs in China. <i>Nature Climate Change</i> , 2013, 3, 708-712.	18.8	35
48	Bioaccessibility and public health risk of heavy Metal(loid)s in the airborne particulate matter of four cities in northern China. <i>Chemosphere</i> , 2021, 277, 130312.	8.2	30
49	A mechanistic kinetic model for singlet oxygen mediated self-sensitized photo-oxidation of organic pollutants in water. <i>Chemical Engineering Journal</i> , 2018, 334, 1242-1251.	12.7	26
50	Microwave-induced degradation of N-nitrosodimethylamine (NDMA) sorbed in zeolites: Effect of mineral surface chemistry and non-thermal effect of microwave. <i>Journal of Cleaner Production</i> , 2018, 174, 1224-1233.	9.3	25
51	Opportunity and challenges in large-scale geothermal energy exploitation in China. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3813-3834.	12.8	23
52	Performance of a novel microwave-based treatment technology for atrazine removal and destruction: Sorbent reusability and chemical stability, and effect of water matrices. <i>Journal of Hazardous Materials</i> , 2015, 299, 444-452.	12.4	22
53	Design and performance of a novel direct Z-scheme NiGa ₂ O ₄ /CeO ₂ nanocomposite with enhanced photocatalytic activity. <i>Science of the Total Environment</i> , 2020, 741, 140192.	8.0	22
54	Facile synthesis of flower-like CoFe ₂ O ₄ particles for efficient sorption of aromatic organoarsenicals from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 63-75.	9.4	21

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55	Retired Electric Vehicle (EV) Batteries: Integrated Waste Management and Research Needs. <i>Environmental Science & Technology</i> , 2017, 51, 10927-10929.	10.0	20
56	Dechlorination of Carbon Tetrachloride by Sulfide-Modified Nanoscale Zerovalent Iron. <i>Environmental Engineering Science</i> , 2018, 35, 560-567.	1.6	19
57	Multipass membrane air-stripping (MAS) for removing volatile organic compounds (VOCs) from surfactant micellar solutions. <i>Journal of Hazardous Materials</i> , 2009, 170, 1070-1078.	12.4	18
58	Research Opportunities for Antimicrobial Resistance Control in China's Factory Farming. <i>Environmental Science & Technology</i> , 2014, 48, 5364-5365.	10.0	18
59	Optimization of microwave-assisted extraction for six inorganic and organic arsenic species in chicken tissues using response surface methodology. <i>Journal of Separation Science</i> , 2015, 38, 3063-3070.	2.5	18
60	A method for rapid determination of arsenic species in vegetables using microwave-assisted extraction followed by detection with HPLC hyphenated to inductively coupled plasma-mass spectrometry. <i>Journal of Separation Science</i> , 2019, 42, 2957-2967.	2.5	15
61	Use of veterinary antimicrobials in China and efforts to improve their rational use. <i>Journal of Global Antimicrobial Resistance</i> , 2015, 3, 144-146.	2.2	14
62	Elevated antimicrobial residues in animal food products call for institutional changes on veterinary drug management and animal food product surveillance in China. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 165-166.	2.5	14
63	Economic Transformation, Technological Innovation, and Policy and Institutional Reforms Hold Keys to Relieving China's Water Shortages. <i>Environmental Science & Technology</i> , 2011, 45, 360-361.	10.0	13
64	Sorption of chlorophenols on microporous minerals: mechanism and influence of metal cations, solution pH, and humic acid. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19266-19280.	5.3	12
65	Atmospheric mercury pollution caused by fluorescent lamp manufacturing and the associated human health risk in a large industrial and commercial city. <i>Environmental Pollution</i> , 2021, 269, 116146.	7.5	9
66	Sedimentary loadings and ecological significance of polycyclic aromatic hydrocarbons in a typical mariculture zone of South China. <i>Journal of Environmental Monitoring</i> , 2012, 14, 2685.	2.1	7
67	Determination of methylmercury in rice using microwave-assisted extraction coupled with thermal decomposition amalgamation atomic absorption spectrometry (MAE-TDA-AAS). <i>Analytical Methods</i> , 2019, 11, 1361-1370.	2.7	7
68	Source apportionment based on the comparative approach of two receptor models in a large-scale region in China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56696-56710.	5.3	7
69	Effectiveness of an Individualized Computer-Driven Online Math K-5 Course in Eight California Title I Elementary Schools. <i>Educational Assessment</i> , 2013, 18, 162-181.	1.5	5
70	Disposal Capacity for Spent Fuel in China Is Not Ready Yet for the Nuclear Power Boom. <i>Environmental Science & Technology</i> , 2015, 49, 2596-2597.	10.0	5
71	Microwave-induced degradation as a novel treatment for destruction of decabromodiphenyl ether sorbed on porous minerals. <i>Chemical Engineering Journal</i> , 2020, 391, 123550.	12.7	5