

Hefa Cheng

List of Publications by Year in descending order

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199
papers

12,410
citations

28274

55
h-index

30922

102
g-index

201
all docs

201
docs citations

201
times ranked

12480
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	Volatile Flavor Compounds in Yogurt: A Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2010, 50, 938-950.	10.3	392
6	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
7	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
8	Quantifying the rural residential energy transition in China from 1992 to 2012 through a representative national survey. <i>Nature Energy</i> , 2018, 3, 567-573.	39.5	280
9	Meeting China's Water Shortage Crisis: Current Practices and Challenges. <i>Environmental Science & Technology</i> , 2009, 43, 240-244.	10.0	223
10	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
11	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
12	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
13	Residential solid fuel emissions contribute significantly to air pollution and associated health impacts in China. <i>Science Advances</i> , 2020, 6, .	10.3	181
14	Pretreatment of wastewater from triazine manufacturing by coagulation, electrolysis, and internal microelectrolysis. <i>Journal of Hazardous Materials</i> , 2007, 146, 385-392.	12.4	177
15	Municipal Solid Waste Fueled Power Generation in China: A Case Study of Waste-to-Energy in Changchun City. <i>Environmental Science & Technology</i> , 2007, 41, 7509-7515.	10.0	168
16	Impacts of air pollutants from rural Chinese households under the rapid residential energy transition. <i>Nature Communications</i> , 2019, 10, 3405.	12.8	158
17	Energy and air pollution benefits of household fuel policies in northern China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16773-16780.	7.1	152
18	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

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19	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
20	Water pollution during China's industrial transition. <i>Environmental Development</i> , 2013, 8, 57-73.	4.1	132
21	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
22	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
23	Quantitative source apportionment of heavy metal(loid)s in the agricultural soils of an industrializing region and associated model uncertainty. <i>Journal of Hazardous Materials</i> , 2020, 391, 122244.	12.4	119
24	Oxidative degradation of dimethyl phthalate (DMP) by UV/H ₂ O ₂ process. <i>Journal of Hazardous Materials</i> , 2009, 162, 954-959.	12.4	117
25	Birnessite (Î-MnO ₂) Mediated Degradation of Organoarsenic Feed Additive p-Arsanilic Acid. <i>Environmental Science & Technology</i> , 2015, 49, 3473-3481.	10.0	117
26	Parabens as chemicals of emerging concern in the environment and humans: A review. <i>Science of the Total Environment</i> , 2021, 778, 146150.	8.0	116
27	Mercury in Municipal Solid Waste in China and Its Control: A Review. <i>Environmental Science & Technology</i> , 2012, 46, 593-605.	10.0	115
28	Application of composted sewage sludge (CSS) as a soil amendment for turfgrass growth. <i>Ecological Engineering</i> , 2007, 29, 96-104.	3.6	111
29	Experimental and thermodynamic investigation on transfer of cadmium influenced by sulfur and chlorine during municipal solid waste (MSW) incineration. <i>Journal of Hazardous Materials</i> , 2008, 153, 309-319.	12.4	107
30	Estimating household air pollution exposures and health impacts from space heating in rural China. <i>Environment International</i> , 2018, 119, 117-124.	10.0	107
31	Stacked Use and Transition Trends of Rural Household Energy in Mainland China. <i>Environmental Science & Technology</i> , 2019, 53, 521-529.	10.0	105
32	High efficiency removal of methylene blue using SDS surface-modified ZnFe ₂ O ₄ nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 39-48.	9.4	99
33	Controlling nitrite level in drinking water by chlorination and chloramination. <i>Separation and Purification Technology</i> , 2007, 56, 392-396.	7.9	95
34	Arsenic pollution of agricultural soils by concentrated animal feeding operations (CAFOs). <i>Chemosphere</i> , 2015, 119, 273-281.	8.2	94
35	Environmental and Health Impacts of Artificial Turf: A Review. <i>Environmental Science & Technology</i> , 2014, 48, 2114-2129.	10.0	93
36	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

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37	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
38	Influence of chemical speciation on photochemical transformation of three fluoroquinolones (FQs) in water: Kinetics, mechanism, and toxicity of photolysis products. <i>Water Research</i> , 2019, 148, 19-29.	11.3	89
39	A critical review of pollutant emission factors from fuel combustion in home stoves. <i>Environment International</i> , 2021, 157, 106841.	10.0	88
40	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
41	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
42	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
43	Facile preparation of hierarchically porous diatomite/MFI-type zeolite composites and their performance of benzene adsorption: The effects of NaOH etching pretreatment. <i>Journal of Hazardous Materials</i> , 2015, 285, 173-181.	12.4	78
44	Implementing Heterogeneous Catalytic Dechlorination Technology for Remediating TCE-Contaminated Groundwater. <i>Environmental Science & Technology</i> , 2008, 42, 8908-8915.	10.0	77
45	Sorption of Trichloroethylene in Hydrophobic Micropores of Dealuminated Y Zeolites and Natural Minerals. <i>Environmental Science & Technology</i> , 2006, 40, 7694-7701.	10.0	76
46	Photocatalytic degradation of malachite green by pyrite and its synergism with Cr(VI) reduction: Performance and reaction mechanism. <i>Separation and Purification Technology</i> , 2015, 154, 168-175.	7.9	74
47	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
48	Mechanism, kinetics, and pathways of self-sensitized sunlight photodegradation of phenylarsonic compounds. <i>Water Research</i> , 2016, 96, 136-147.	11.3	71
49	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
50	Mercury risk from fluorescent lamps in China: Current status and future perspective. <i>Environment International</i> , 2012, 44, 141-150.	10.0	68
51	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
52	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
53	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
54	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

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55	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
56	Composition and diversity of soil microbial communities in the alpine wetland and alpine forest ecosystems on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2020, 747, 141358.	8.0	58
57	Mercury pollution in fish from South China Sea: Levels, species-specific accumulation, and possible sources. <i>Environmental Research</i> , 2014, 131, 160-164.	7.5	57
58	Transition of household cookfuels in China from 2010 to 2012. <i>Applied Energy</i> , 2016, 184, 800-809.	10.1	57
59	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
60	Separation of Organic Compounds from Surfactant Solutions: A Review. <i>Separation Science and Technology</i> , 2007, 42, 453-475.	2.5	56
61	Improving China's water resources management for better adaptation to climate change. <i>Climatic Change</i> , 2012, 112, 253-282.	3.6	55
62	Silicon elevated cadmium tolerance in wheat (<i>Triticum aestivum</i> L.) by endorsing nutrients uptake and antioxidative defense mechanisms in the leaves. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 148-159.	5.8	55
63	Microwave-Induced Degradation of Atrazine Sorbed in Mineral Micropores. <i>Environmental Science & Technology</i> , 2012, 46, 5067-5076.	10.0	52
64	Source-oriented risk assessment of inhalation exposure to ambient polycyclic aromatic hydrocarbons and contributions of non-priority isomers in urban Nanjing, a megacity located in Yangtze River Delta, China. <i>Environmental Pollution</i> , 2017, 224, 796-809.	7.5	52
65	Cu(II) Removal from lithium bromide refrigerant by chemical precipitation and electrocoagulation. <i>Separation and Purification Technology</i> , 2006, 52, 191-195.	7.9	51
66	Estimating relative contributions of primary and secondary sources of ambient nitrated and oxygenated polycyclic aromatic hydrocarbons. <i>Atmospheric Environment</i> , 2017, 159, 126-134.	4.1	51
67	Substantial transition to clean household energy mix in rural China. <i>National Science Review</i> , 2022, 9, .	9.5	51
68	Kinetics of Brominated Flame Retardant (BFR) Releases from Granules of Waste Plastics. <i>Environmental Science & Technology</i> , 2016, 50, 13419-13427.	10.0	50
69	A simple treatment method for phenylarsonic compounds: Oxidation by ferrate (VI) and simultaneous removal of the arsenate released with in situ formed Fe(III) oxide-hydroxide. <i>Environment International</i> , 2019, 127, 730-741.	10.0	50
70	Temporal and spatial variation of PM2.5 in indoor air monitored by low-cost sensors. <i>Science of the Total Environment</i> , 2021, 770, 145304.	8.0	50
71	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
72	Updated Global Black Carbon Emissions from 1960 to 2017: Improvements, Trends, and Drivers. <i>Environmental Science & Technology</i> , 2021, 55, 7869-7879.	10.0	49

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73	Mercury contamination in fish and human hair from Hainan Island, South China Sea: Implication for human exposure. <i>Environmental Research</i> , 2014, 135, 42-47.	7.5	48
74	Distinguishing Emission-Associated Ambient Air PM _{2.5} Concentrations and Meteorological Factor-Induced Fluctuations. <i>Environmental Science & Technology</i> , 2018, 52, 10416-10425.	10.0	48
75	Development and Bottlenecks of Renewable Electricity Generation in China: A Critical Review. <i>Environmental Science & Technology</i> , 2013, 47, 3044-3056.	10.0	47
76	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
77	Fugitive Emissions of CO and PM _{2.5} from Indoor Biomass Burning in Chimney Stoves Based on a Newly Developed Carbon Balance Approach. <i>Environmental Science and Technology Letters</i> , 2020, 7, 128-134.	8.7	47
78	Facile preparation of raisin-bread sandwich-structured magnetic graphene/mesoporous silica composites with C18-modified pore-walls for efficient enrichment of phthalates in environmental water. <i>Journal of Chromatography A</i> , 2014, 1325, 65-71.	3.7	46
79	Wintertime pollution level, size distribution and personal daily exposure to particulate matters in the northern and southern rural Chinese homes and variation in different household fuels. <i>Environmental Pollution</i> , 2017, 231, 497-508.	7.5	46
80	China Needs to Control Mercury Emissions from Municipal Solid Waste (MSW) Incineration. <i>Environmental Science & Technology</i> , 2010, 44, 7994-7995.	10.0	45
81	Contamination trends of trace metals and coupling with algal productivity in sediment cores in Pearl River Delta, South China. <i>Chemosphere</i> , 2014, 103, 35-43.	8.2	45
82	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
83	Inputs of antifouling paint-derived dichlorodiphenyltrichloroethanes (DDTs) to a typical mariculture zone (South China): Potential impact on aquafarming environment. <i>Environmental Pollution</i> , 2011, 159, 3700-3705.	7.5	43
84	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
85	Associations between exposure to heavy metals and the risk of chronic kidney disease: a systematic review and meta-analysis. <i>Critical Reviews in Toxicology</i> , 2021, 51, 1-30.	3.9	42
86	Spatial distributions and sources of heavy metals in sediment from public park in Shanghai, the Yangtze River Delta. <i>Applied Geochemistry</i> , 2014, 44, 54-60.	3.0	41
87	Displacement efficiency of alternative energy and trans-provincial imported electricity in China. <i>Nature Communications</i> , 2017, 8, 14590.	12.8	41
88	Occurrence, source analysis and risk assessment of androgens, glucocorticoids and progestagens in the Hailing Bay region, South China Sea. <i>Science of the Total Environment</i> , 2015, 536, 99-107.	8.0	40
89	Exposure and size distribution of nitrated and oxygenated polycyclic aromatic hydrocarbons among the population using different household fuels. <i>Environmental Pollution</i> , 2016, 216, 935-942.	7.5	40
90	Fluctuation in time-resolved PM _{2.5} from rural households with solid fuel-associated internal emission sources. <i>Environmental Pollution</i> , 2019, 244, 304-313.	7.5	39

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91	Structure- ^{re} activity Relationships in the Adsorption and Degradation of Substituted Phenylarsonic Acids on Birnessite (γ -MnO ₂). <i>Environmental Science & Technology</i> , 2020, 54, 1475-1483.	10.0	39
92	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
93	Ametryn degradation by aqueous chlorine: Kinetics and reaction influences. <i>Journal of Hazardous Materials</i> , 2009, 169, 586-592.	12.4	37
94	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
95	Facet-dependent photocatalytic H ₂ O ₂ production of single phase Ag ₃ PO ₄ and Z-scheme Ag/ZnFe ₂ O ₄ -Ag-Ag ₃ PO ₄ composites. <i>Chemical Engineering Journal</i> , 2022, 429, 132373.	12.7	37
96	Synergy of nitrogen vacancies and intercalation of carbon species for enhancing sunlight photocatalytic hydrogen production of carbon nitride. <i>Applied Catalysis B: Environmental</i> , 2022, 314, 121497.	20.2	37
97	Lead glass-ceramics produced from the beneficial use of waterworks sludge. <i>Water Research</i> , 2013, 47, 1353-1360.	11.3	36
98	Heavy metals in particulate and colloidal matter from atmospheric deposition of urban Guangzhou, South China. <i>Marine Pollution Bulletin</i> , 2014, 85, 720-726.	5.0	36
99	Effect of aging on stabilization of Cd and Ni by biochars and enzyme activities in a historically contaminated alkaline agricultural soil simulated with wet-dry and freeze-thaw cycling. <i>Environmental Pollution</i> , 2021, 268, 115846.	7.5	36
100	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
101	Adsorption and desorption of phenylarsonic acid compounds on metal oxide and hydroxide, and clay minerals. <i>Science of the Total Environment</i> , 2021, 757, 143765.	8.0	35
102	Optically Measured Black and Particulate Brown Carbon Emission Factors from Real-World Residential Combustion Predominantly Affected by Fuel Differences. <i>Environmental Science & Technology</i> , 2021, 55, 169-178.	10.0	34
103	Catalytic effect of transition metals on microwave-induced degradation of atrazine in mineral micropores. <i>Water Research</i> , 2014, 57, 8-19.	11.3	33
104	Quantifying source contributions for indoor CO ₂ and gas pollutants based on the highly resolved sensor data. <i>Environmental Pollution</i> , 2020, 267, 115493.	7.5	33
105	Inhalation exposure and risk of polycyclic aromatic hydrocarbons (PAHs) among the rural population adopting wood gasifier stoves compared to different fuel-stove users. <i>Atmospheric Environment</i> , 2016, 147, 485-491.	4.1	32
106	Biochars and Engineered Biochars for Water and Soil Remediation: A Review. <i>Sustainability</i> , 2021, 13, 9932.	3.2	32
107	PM _{2.5} reductions in Chinese cities from 2013 to 2019 remain significant despite the inflating effects of meteorological conditions. <i>One Earth</i> , 2021, 4, 448-458.	6.8	31
108	Degradation of N-nitrosodimethylamine (NDMA) and its precursor dimethylamine (DMA) in mineral micropores induced by microwave irradiation. <i>Water Research</i> , 2016, 94, 305-314.	11.3	30

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109	Recent Development in Sample Preparation and Analytical Techniques for Determination of Quinolone Residues in Food Products. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 223-250.	3.5	30
110	Evaluating co-emissions into indoor and outdoor air of EC, OC, and BC from in-home biomass burning. <i>Atmospheric Research</i> , 2021, 248, 105247.	4.1	30
111	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
112	A novel model for regional indoor PM _{2.5} quantification with both external and internal contributions included. <i>Environment International</i> , 2020, 145, 106124.	10.0	28
113	Chemical kinetic modeling of organic pollutant degradation in Fenton and solar photo-Fenton processes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 123, 175-175.	5.3	28
114	Contributions of internal emissions to peaks and incremental indoor PM _{2.5} in rural coal use households. <i>Environmental Pollution</i> , 2021, 288, 117753.	7.5	28
115	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
116	Short-range transport of contaminants released from e-waste recycling site in South China. <i>Journal of Environmental Monitoring</i> , 2011, 13, 836.	2.1	25
117	Properties and cellular effects of particulate matter from direct emissions and ambient sources. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 1075-1083.	1.7	25
118	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
119	Coal Is Dirty, but Where It Is Burned Especially Matters. <i>Environmental Science & Technology</i> , 2021, 55, 7316-7326.	10.0	25
120	Stack and fugitive emissions of major air pollutants from typical brick kilns in China. <i>Environmental Pollution</i> , 2017, 224, 421-429.	7.5	24
121	Synthesis of polydopamine- ϵ -functionalized magnetic graphene and carbon nanotubes hybrid nanocomposites as an adsorbent for the fast determination of 16 priority polycyclic aromatic hydrocarbons in aqueous samples. <i>Journal of Separation Science</i> , 2018, 41, 1847-1855.	2.5	23
122	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
123	Contributions of biomass burning to global and regional SO ₂ emissions. <i>Atmospheric Research</i> , 2021, 260, 105709.	4.1	23
124	Enhanced immobilization of cadmium and lead adsorbed on crop straw biochars by simulated aging processes. <i>Environmental Pollution</i> , 2022, 302, 119064.	7.5	23
125	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
126	Submicrometer PM _{1.0} Exposure from Household Burning of Solid Fuels. <i>Environmental Science and Technology Letters</i> , 2020, 7, 1-6.	8.7	22

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127	Design and performance of a novel direct Z-scheme NiGa ₂ O ₄ /CeO ₂ nanocomposite with enhanced sonocatalytic activity. <i>Science of the Total Environment</i> , 2020, 741, 140192.	8.0	22
128	Role of silicon on root morphological characters of wheat (<i>Triticum aestivum</i> L.) plants grown under Cd-contaminated nutrient solution. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	2.1	22
129	Effects of environmental factors on the distribution of microbial communities across soils and lake sediments in the Hoh Xil Nature Reserve of the Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 838, 156148.	8.0	22
130	Measuring Hydrophobic Micropore Volumes in Geosorbents from Trichloroethylene Desorption Data. <i>Environmental Science & Technology</i> , 2006, 40, 3595-3602.	10.0	21
131	Determination of organic pollutants in coking wastewater by dispersive liquid-liquid microextraction/GC/MS. <i>Journal of Separation Science</i> , 2013, 36, 1644-1651.	2.5	21
132	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
133	Microplastic pollution in Bangladesh: Research and management needs. <i>Environmental Pollution</i> , 2022, 308, 119697.	7.5	21
134	Retired Electric Vehicle (EV) Batteries: Integrated Waste Management and Research Needs. <i>Environmental Science & Technology</i> , 2017, 51, 10927-10929.	10.0	20
135	Differentiated-Rate Clean Heating Strategy with Superior Environmental and Health Benefits in Northern China. <i>Environmental Science & Technology</i> , 2020, 54, 13458-13466.	10.0	20
136	Light absorption properties and absorption emission factors for indoor biomass burning. <i>Environmental Pollution</i> , 2020, 267, 115652.	7.5	20
137	Sorption and Inhibited Dehydrohalogenation of 2,2-Dichloropropane in Micropores of Dealuminated Y Zeolites. <i>Environmental Science & Technology</i> , 2007, 41, 1934-1941.	10.0	19
138	Relationship of polycyclic aromatic hydrocarbons with algae-derived organic matter in sediment cores from a subtropical region. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2243-2255.	3.0	19
139	Urban air pollution and health risks of parent and nitrated polycyclic aromatic hydrocarbons in two megacities, southwest China. <i>Atmospheric Environment</i> , 2017, 166, 441-453.	4.1	19
140	Indoor PM _{2.5} Profiling with a Novel Side-Scatter Indoor Lidar. <i>Environmental Science and Technology Letters</i> , 2019, 6, 612-616.	8.7	19
141	Solvent Extraction for Separating Micellar-Solubilized Contaminants and Anionic Surfactants. <i>Environmental Science & Technology</i> , 2001, 35, 2995-3001.	10.0	18
142	Reverse-micellar extraction for micellar-solubilized contaminant and surfactant removal. <i>Separation and Purification Technology</i> , 2001, 24, 437-449.	7.9	18
143	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
144	Rapid extraction and determination of atrazine and its degradation products from microporous mineral sorbents using microwave-assisted solvent extraction followed by ultra-HPLC-MS/MS. <i>Mikrochimica Acta</i> , 2013, 180, 703-710.	5.0	18

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145	Impact of Surface Chemistry on Microwave-Induced Degradation of Atrazine in Mineral Micropores. <i>Environmental Science & Technology</i> , 2013, 47, 533-541.	10.0	18
146	Research Opportunities for Antimicrobial Resistance Control in China's Factory Farming. <i>Environmental Science & Technology</i> , 2014, 48, 5364-5365.	10.0	18
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