Nan Xu

List of Publications by Year
in descending order

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81 papers	4,907 citations	126708 33 h-index	95083 68 g-index
83 all docs	83 docs citations	83 times ranked	5420 citing authors

#	Article	IF	Citations
1	Source apportionment of carbonaceous aerosols in diverse atmospheric environments of China by dual-carbon isotope method. Science of the Total Environment, 2022, 806, 150654.	3.9	4
2	Occurrence, source apportionment and potential risks of selected PPCPs in groundwater used as a source of drinking water from key urban-rural settings of Pakistan. Science of the Total Environment, 2022, 807, 151010.	3.9	14
3	Spatiotemporal distribution, source apportionment and risk assessment of typical hormones and phenolic endocrine disrupting chemicals in environmental and biological samples from the mariculture areas in the Pearl River Delta, China. Science of the Total Environment, 2022, 807, 150752.	3.9	17
4	Tissue distribution and endocrine disruption effects of chronic exposure to pharmaceuticals and personal care products mixture at environmentally relevant concentrations in zebrafish. Aquatic Toxicology, 2022, 242, 106040.	1.9	16
5	Antibiotics and antibiotic resistant genes in urban aquifers. Current Opinion in Environmental Science and Health, 2022, 26, 100324.	2.1	10
6	Graphene oxide chronic exposure enhanced perfluorooctane sulfonate mediated toxicity through oxidative stress generation in freshwater clam Corbicula fluminea. Chemosphere, 2022, 297, 134242.	4.2	10
7	Novel CoFe2Px derived from CoFe2O4 for efficient peroxymonosulfate activation: Switching the reaction route and suppressing metal leaching. Applied Catalysis B: Environmental, 2022, 309, 121234.	10.8	34
8	Nanoplastics influence the perfluorooctane sulfonate (PFOS) mediated toxicity on marine mussel Perna viridis: Single and mixture exposure study. Gondwana Research, 2022, 108, 144-157.	3.0	8
9	Grape Cultivar Features Differentiate the Grape Rhizosphere Microbiota. Plants, 2022, 11, 1111.	1.6	10
10	Pharmaceuticals and personal care products (PPCPs) in water, sediment and freshwater mollusks of the Dongting Lake downstream the Three Gorges Dam. Chemosphere, 2022, 301, 134721.	4.2	24
11	Leaf-Associated Epiphytic Fungi of Gingko biloba, Pinus bungeana and Sabina chinensis Exhibit Delicate Seasonal Variations. Journal of Fungi (Basel, Switzerland), 2022, 8, 631.	1.5	4
12	Superabsorbent graphene oxide/carbon nanotube hybrid Poly(acrylic acid-co-acrylamide) hydrogels for efficient salinity gradient energy harvest. Energy, 2022, 258, 124843.	4.5	3
13	Nexus between perfluoroalkyl compounds (PFCs) and human thyroid dysfunction: A systematic review evidenced from laboratory investigations and epidemiological studies. Critical Reviews in Environmental Science and Technology, 2021, 51, 2485-2530.	6.6	9
14	Insights into the mechanisms of arsenic-selenium interactions and the associated toxicity in plants, animals, and humans: A critical review. Critical Reviews in Environmental Science and Technology, 2021, 51, 704-750.	6.6	43
15	Effects of biochar application with fertilizer on soil microbial biomass and greenhouse gas emissions in a peanut cropping system. Environmental Technology (United Kingdom), 2021, 42, 9-19.	1.2	16
16	Polybrominated diphenyl ethers (PBDEs) in the Danjiangkou Reservoir, China: identification of priority PBDE congeners. Environmental Science and Pollution Research, 2021, 28, 12587-12596.	2.7	10
17	Combination of high resolution mass spectrometry and a halogen extraction code to identify chlorinated disinfection byproducts formed from aromatic amino acids. Water Research, 2021, 190, 116710.	5.3	21
18	Differences in quinone redox system of humic substances between endemic and disease-free areas in Kashinâ€“Beck disease-affected Changdu Region, Tibet, China. Environmental Geochemistry and Health, 2021, 43, 3133-3149.	1.8	4

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19	Facile Designed Manganese Oxide/Biochar for Efficient Salinity Gradient Energy Recovery in Concentration Flow Cells and Influences of Mono/Multivalent Ions. ACS Applied Materials & Interfaces, 2021, 13, 19855-19863.	4.0	5
20	Secondary Formation of Aerosols Under Typical Highâ€Humidity Conditions in Wintertime Sichuan Basin, China: A Contrast to the North China Plain. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034560.	1.2	8
21	Pollutants affect algae-bacteria interactions: A critical review. Environmental Pollution, 2021, 276, 116723.	3.7	57
22	Preparation and Characterization of Cattail-Derived Biochar and Its Application for Cadmium Removal. Sustainability, 2021, 13, 9307.	1.6	5
23	First insight into the occurrence, spatial distribution, sources, and risks assessment of antibiotics in groundwater from major urban-rural settings of Pakistan. Science of the Total Environment, 2021, 791, 148298.	3.9	39
24	Global syndromes induced by changes in solutes of the worldâ€™s large rivers. Nature Communications, 2021, 12, 5940.	5.8	17
25	Layer-by-layer assembly of PDMS-coated nickel ferrite/multiwalled carbon nanotubes/cotton fabrics for robust and durable electromagnetic interference shielding. Cellulose, 2020, 27, 2829-2845.	2.4	42
26	Spatiotemporal distribution, sources and ecological risks of perfluorinated compounds (PFCs) in the Guanlan River from the rapidly urbanizing areas of Shenzhen, China. Chemosphere, 2020, 245, 125637.	4.2	38
27	Antibiotics and antibiotic resistant genes (ARGs) in groundwater: A global review on dissemination, sources, interactions, environmental and human health risks. Water Research, 2020, 187, 116455.	5.3	453
28	Physiological and proteomics responses of nitrogen assimilation and glutamine/glutamine family of amino acids metabolism in mulberry (Morus alba L.) leaves to NaCl and NaHCO₃ stress. Plant Signaling and Behavior, 2020, 15, 1798108.	1.2	13
29	Benzo[a]pyrene induces microbiome dysbiosis and inflammation in the intestinal tracts of western mosquitofish (Gambusia affinis) and zebrafish (Danio rerio). Fish and Shellfish Immunology, 2020, 105, 24-34.	1.6	15
30	Suspended sediment exacerbates perfluorooctane sulfonate mediated toxicity through reactive oxygen species generation in freshwater clam Corbicula fluminea. Environmental Pollution, 2020, 267, 115671.	3.7	13
31	K6-linked SUMOylation of BAF regulates nuclear integrity and DNA replication in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10378-10387.	3.3	12
32	Ultrasmall SnO₂ nanocrystals embedded in porous carbon as potassium ion battery anodes with long-term cycling performance. New Journal of Chemistry, 2020, 44, 11678-11683.	1.4	16
33	Pseudocapacitive Behaviors of Polypyrrole Grafted Activated Carbon and MnO₂ Electrodes to Enable Fast and Efficient Membrane-Free Capacitive Deionization. Environmental Science & Technology, 2020, 54, 5843-5852.	4.6	67
34	A sensitive method for simultaneous determination of 12 classes of per- and polyfluoroalkyl substances (PFASs) in groundwater by ultrahigh performance liquid chromatography coupled with quadrupole orbitrap high resolution mass spectrometry. Chemosphere, 2020, 251, 126327.	4.2	24
35	Degradation of sulphachloropyridazine sodium in column reactor packed with CoFe2O4â"loaded quartz sand via peroxymonosulfate activation: Insights into the amorphous phase, efficiency, and mechanism. Chemical Engineering Journal, 2020, 390, 124549.	6.6	34
36	Polyfluoroalkyl substances in Danjiangkou Reservoir, China: Occurrence, composition, and source appointment. Science of the Total Environment, 2020, 725, 138352.	3.9	32

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37	Comprehensive review of the basic chemical behaviours, sources, processes, and endpoints of trace element contamination in paddy soil-rice systems in rice-growing countries. Journal of Hazardous Materials, 2020, 397, 122720.	6.5	127
38	A comparative study of arsenic(V), tetracycline and nitrate ions adsorption onto magnetic biochars and activated carbon. Chemical Engineering Research and Design, 2020, 159, 582-591.	2.7	62
39	Perfluoroalkyl substances in the Yangtze River: Changing exposure and its implications after operation of the Three Gorges Dam. Water Research, 2020, 182, 115933.	5.3	17
40	Insights into interactions between vanadium (V) bio-reduction and pentachlorophenol dechlorination in synthetic groundwater. Chemical Engineering Journal, 2019, 375, 121965.	6.6	107
41	Comparison of biochar- and activated carbon-supported zerovalent iron for the removal of Se(IV) and Se(VI): influence of pH, ionic strength, and natural organic matter. Environmental Science and Pollution Research, 2019, 26, 21609-21618.	2.7	28
42	Spatiotemporal distribution, source apportionment and ecological risk assessment of PBDEs and PAHs in the Guanlan River from rapidly urbanizing areas of Shenzhen, China. Environmental Pollution, 2019, 250, 695-707.	3.7	63
43	Pharmaceuticals and personal care products in water, sediments, aquatic organisms, and fish feeds in the Pearl River Delta: Occurrence, distribution, potential sources, and health risk assessment. Science of the Total Environment, 2019, 659, 230-239.	3.9	187
44	Metal concentrations and risk assessment in water, sediment and economic fish species with various habitat preferences and trophic guilds from Lake Caizi, Southeast China. Ecotoxicology and Environmental Safety, 2018, 157, 1-8.	2.9	126
45	Biochar amendment with fertilizers increases peanut N uptake, alleviates soil N2O emissions without affecting NH3 volatilization in field experiments. Environmental Science and Pollution Research, 2018, 25, 8817-8826.	2.7	44
46	Antibiotics in water and sediments of rivers and coastal area of Zhuhai City, Pearl River estuary, south China. Science of the Total Environment, 2018, 636, 1009-1019.	3.9	150
47	Enhanced power generation and wastewater treatment in sustainable biochar electrodes based bioelectrochemical system. Bioresource Technology, 2017, 241, 841-848.	4.8	51
48	Bio-Source of di-n-butyl phthalate production by filamentous fungi. Scientific Reports, 2016, 6, 19791.	1.6	24
49	Removal of Tl(I) Ions From Aqueous Solution Using Fe@Fe₂O₃ Coreâ€Shell Nanowires. Clean - Soil, Air, Water, 2016, 44, 1214-1224.	0.7	21
50	Effect of biochar additions to soil on nitrogen leaching, microbial biomass and bacterial community structure. European Journal of Soil Biology, 2016, 74, 1-8.	1.4	839
51	Effects of lead concentration and accumulation on the performance and microbial community of aerobic granular sludge in sequencing batch reactors. Environmental Technology (United Kingdom), 2016, 37, 2905-2915.	1.2	10
52	Sorption of mercury (II) and atrazine by biochar, modified biochars and biochar based activated carbon in aqueous solution. Bioresource Technology, 2016, 211, 727-735.	4.8	286
53	An Immune System-Inspired Reconfigurable Controller. IEEE Transactions on Control Systems Technology, 2016, 24, 1875-1882.	3.2	8
54	Reconstruction and analysis of a genome-scale metabolic network of Corynebacterium glutamicum S9114. Gene, 2016, 575, 615-622.	1.0	27

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55	Reconstruction and in silico analysis of an Actinoplanes sp. SE50/110 genome-scale metabolic model for acarbose production. Frontiers in Microbiology, 2015, 6, 632.	1.5	10
56	Effect of inorganic nanoparticles on 17Î²-estradiol and 17Î±-ethynylestradiol adsorption by multi-walled carbon nanotubes. Environmental Pollution, 2015, 205, 111-120.	3.7	34
57	Longâ€term effects of binary mixtures of 17Î±â€ethinyl estradiol and dibutyl phthalate in a partial lifeâ€cycle test with zebrafish (Danio rerio). Environmental Toxicology and Chemistry, 2015, 34, 518-526.	2.2	12
58	Removal of 17Î²-estrodial in a bio-electro-Fenton system: contribution of oxidation and generation of hydroxyl radicals with the Fenton reaction and carbon felt cathode. RSC Advances, 2015, 5, 56832-56840.	1.7	28
59	Adsorption of sulfamethoxazole and 17Î²-estradiol by carbon nanotubes/CoFe2O4 composites. Chemical Engineering Journal, 2015, 274, 17-29.	6.6	148
60	Removal of Se(IV) and Se(VI) by MFe2O4 nanoparticles from aqueous solution. Chemical Engineering Journal, 2015, 273, 353-362.	6.6	127
61	Influence of biochar on sorption, leaching and dissipation of bisphenol A and 17Î±-ethynylestradiol in soil. Environmental Sciences: Processes and Impacts, 2015, 17, 1722-1730.	1.7	19
62	Effect of carbon nanotubes on Cd(II) adsorption by sediments. Chemical Engineering Journal, 2015, 264, 645-653.	6.6	80
63	Data-Driven Neuroendocrine Ultrashort Feedback-Based Cooperative Control System. IEEE Transactions on Control Systems Technology, 2015, 23, 1205-1212.	3.2	20
64	Metabolic Engineering of Candida glabrata for Diacetyl Production. PLoS ONE, 2014, 9, e89854.	1.1	13
65	Metabolic model reconstruction and analysis of an artificial microbial ecosystem for vitamin C production. Journal of Biotechnology, 2014, 182-183, 61-67.	1.9	34
66	Occurrence and removal of free and conjugated estrogens in wastewater and sludge in five sewage treatment plants. Environmental Sciences: Processes and Impacts, 2014, 16, 262-270.	1.7	26
67	Effects of combined exposure to 17Î±-ethynylestradiol and dibutyl phthalate on the growth and reproduction of adult male zebrafish (Danio rerio). Ecotoxicology and Environmental Safety, 2014, 107, 61-70.	2.9	42
68	Bio-electro-Fenton system for enhanced estrogens degradation. Bioresource Technology, 2013, 138, 136-140.	4.8	76
69	Adsorption and desorption of Cd(II) onto titanate nanotubes and efficient regeneration of tubular structures. Journal of Hazardous Materials, 2013, 250-251, 379-386.	6.5	93
70	Influence of pH, ionic strength and humic acid on competitive adsorption of Pb(II), Cd(II) and Cr(III) onto titanate nanotubes. Chemical Engineering Journal, 2013, 215-216, 366-374.	6.6	273
71	Degradation of p-nitrophenol in a BES-Fenton system based on limonite. Journal of Hazardous Materials, 2013, 254-255, 236-241.	6.5	54
72	Removal of estrogens in municipal wastewater treatment plants: A Chinese perspective. Environmental Pollution, 2012, 165, 215-224.	3.7	67

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73	Recovery of silver from silver(I)-containing solutions in bioelectrochemical reactors. Bioresource Technology, 2012, 111, 92-97.	4.8	116
74	Coupling of anodic biooxidation and cathodic bioelectro-Fenton for enhanced swine wastewater treatment. Bioresource Technology, 2011, 102, 7777-7783.	4.8	42
75	Microorganism-immobilized carbon nanoparticle anode for microbial fuel cells based on direct electron transfer. Applied Microbiology and Biotechnology, 2011, 89, 1629-1635.	1.7	33
76	Electrochemical characterization of anodic biofilms enriched with glucose and acetate in single-chamber microbial fuel cells. Colloids and Surfaces B: Biointerfaces, 2011, 82, 641-646.	2.5	93
77	A membrane-free baffled microbial fuel cell for cathodic reduction of Cu(II) with electricity generation. Bioresource Technology, 2011, 102, 4774-4778.	4.8	87
78	Estrogen Concentration Affects its Biodegradation Rate in Activated Sludge. Environmental Toxicology and Chemistry, 2009, 28, 2263-2270.	2.2	21
79	Role of dissolved organic carbon in the cosorption of copper and phthalate esters onto Yellow River sediments. Chemosphere, 2007, 69, 1419-1427.	4.2	15
80	Effects of Copper on the Sorption of Phthalate Esters to Yellow River Sediment. Water, Air, and Soil Pollution, 2007, 184, 207-216.	1.1	13
81	A Virtual Environment for Collaborative Assembly. , 0, , .		7