

Zhixiang Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3790558/publications.pdf>

Version: 2024-02-01

81
papers

2,481
citations

218677

26
h-index

223800

46
g-index

81
all docs

81
docs citations

81
times ranked

2854
citing authors

#	ARTICLE	IF	CITATIONS
1	Double-dose responses of <i>Scenedesmus capricornus</i> microalgae exposed to humic acid. <i>Science of the Total Environment</i> , 2022, 806, 150547.	8.0	18
2	Adsorption and photochemical capacity on 17 β -ethinylestradiol by char produced in the thermo treatment process of plastic waste. <i>Journal of Hazardous Materials</i> , 2022, 423, 127066.	12.4	16
3	Photoelectrocatalytic coupling system synergistically removal of antibiotics and antibiotic resistant bacteria from aquatic environment. <i>Journal of Hazardous Materials</i> , 2022, 424, 127553.	12.4	20
4	Low concentrations of 17 β -estradiol exacerbate tamoxifen resistance in breast cancer treatment through membrane estrogen receptor-mediated signaling pathways. <i>Environmental Toxicology</i> , 2022, 37, 514-526.	4.0	10
5	Ventilation induced evolution pattern of archaea, fungi, bacteria and their potential roles during co-bioevaporation treatment of concentrated landfill leachate and food waste. <i>Chemosphere</i> , 2022, 289, 133122.	8.2	3
6	The photodegradation of 17 alpha-ethinylestradiol in water containing iron and dissolved organic matter. <i>Science of the Total Environment</i> , 2022, 814, 152516.	8.0	6
7	The distribution and risk of microplastics discharged from sewage treatment plants in terrestrial and aquatic compartment. <i>Journal of Environmental Management</i> , 2022, 314, 115067.	7.8	11
8	Preparation and antibacterial properties of gold nanoparticles: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 167-187.	16.2	121
9	The treatment of black-odorous water using tower bipolar electro-flocculation including the removal of phosphorus, turbidity, sulfion, and oxygen enrichment. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	10
10	Modified humic acids mediate efficient mineralization in a photo-bio-electro-Fenton process. <i>Water Research</i> , 2021, 190, 116740.	11.3	34
11	Spatial dynamics of biochemical fractions degradation, functional enzymatic activity and bacterial community within co-bioevaporation pile. <i>Journal of Cleaner Production</i> , 2021, 287, 125552.	9.3	6
12	Abundance and distribution characteristics of microplastic in plateau cultivated land of Yunnan Province, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1675-1688.	5.3	81
13	Evaporation efficiency and important microorganisms under different ventilation strategies of co-bioevaporation process. <i>Environmental Technology and Innovation</i> , 2021, 21, 101374.	6.1	3
14	Simultaneous changes of exogenous dissolved organic matter treated by ozonation in properties and interaction behavior with sulfonamides. <i>Environmental Pollution</i> , 2021, 275, 116546.	7.5	10
15	Organic loading on biochemical fractions degradation pattern during food waste bioevaporation. <i>Waste Management</i> , 2021, 132, 142-150.	7.4	3
16	Photosensitive cellular polymeric substances accelerate 17 β -ethinylestradiol photodegradation. <i>Chemical Engineering Journal</i> , 2020, 381, 122737.	12.7	10
17	Temperature models for quantifying groundwater seepage flux applied in a deep lake of a plateau: Yangzonghai Lake, Yunnan, China. <i>Chemosphere</i> , 2020, 238, 124674.	8.2	3
18	Magnetic chitosan biopolymer as a versatile adsorbent for simultaneous and synergistic removal of different sorts of dyestuffs from simulated wastewater. <i>Chemical Engineering Journal</i> , 2020, 385, 123926.	12.7	98

#	ARTICLE	IF	CITATIONS
19	Cleaning chromium pollution in aquatic environments by bioremediation, photocatalytic remediation, electrochemical remediation and coupled remediation systems. <i>Environmental Chemistry Letters</i> , 2020, 18, 561-576.	16.2	65
20	Evolution of enzyme activity, heavy metals bioavailability and microbial community in different temperature stages of the co-bioevaporation process. <i>Waste Management</i> , 2020, 102, 751-762.	7.4	11
21	Dissolved organic matter modified magnetic carbon nanotubes enhance the bioremediation of azo dyes and Cr(vi). <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1804-1815.	2.4	6
22	Photoelectrocatalytic simultaneous removal of 17 β -ethinylestradiol and <i>E. coli</i> using the anode of Ag and SnO ₂ -Sb 3D-loaded TiO ₂ nanotube arrays. <i>Journal of Hazardous Materials</i> , 2020, 398, 122805.	12.4	27
23	A critical review on the applications and potential risks of emerging MoS ₂ nanomaterials. <i>Journal of Hazardous Materials</i> , 2020, 399, 123057.	12.4	76
24	Quercetin exerts bidirectional regulation effects on the efficacy of tamoxifen in estrogen receptor α -positive breast cancer therapy: An in vitro study. <i>Environmental Toxicology</i> , 2020, 35, 1179-1193.	4.0	14
25	A novel Fe ³⁺ -stabilized magnetic polydopamine composite for enhanced selective adsorption and separation of Methylene blue from complex wastewater. <i>Journal of Hazardous Materials</i> , 2020, 392, 122263.	12.4	96
26	The estrogenic proliferative effects of two alkylphenols and a preliminary mechanism exploration in MCF α 7 breast cancer cells. <i>Environmental Toxicology</i> , 2020, 35, 628-638.	4.0	15
27	Optical characteristics and cytotoxicity of dissolved organic matter in the effluent and sludge from typical sewage treatment processes. <i>Science of the Total Environment</i> , 2020, 725, 138381.	8.0	12
28	Enhanced treatment of pharmaceutical wastewater by combining three-dimensional electrochemical process with ozonation to in situ regenerate granular activated carbon particle electrodes. <i>Separation and Purification Technology</i> , 2019, 208, 12-18.	7.9	106
29	Dissolved organic matter mediates in the anaerobic degradation of 17 β -ethinylestradiol in a coupled electrochemical and biological system. <i>Bioresource Technology</i> , 2019, 292, 121924.	9.6	11
30	Spontaneous changes in dissolved organic matter affect the bio-removal of steroid estrogens. <i>Science of the Total Environment</i> , 2019, 689, 616-624.	8.0	6
31	Photocatalytic degradation of dye by Ag/TiO ₂ nanoparticles prepared with different sol-gel crystallization in the presence of effluent organic matter. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35900-35912.	5.3	17
32	Ferroferric oxide loads humic acid doped anode accelerate electron transfer process in anodic chamber of bioelectrochemical system. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113464.	3.8	21
33	17 β -estradiol at low concentrations attenuates the efficacy of tamoxifen in breast cancer therapy. <i>Environmental Pollution</i> , 2019, 255, 113228.	7.5	7
34	Ecotoxicological effects and removal of 17 β -estradiol in chlorella algae. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 377-383.	6.0	48
35	Intermittent light and microbial action of mixed endogenous source DOM affects degradation of 17 β -estradiol day after day in a relatively deep natural anaerobic aqueous environment. <i>Journal of Hazardous Materials</i> , 2019, 369, 40-49.	12.4	11
36	A magnetically recyclable chitosan composite adsorbent functionalized with EDTA for simultaneous capture of anionic dye and heavy metals in complex wastewater. <i>Chemical Engineering Journal</i> , 2019, 356, 69-80.	12.7	275

#	ARTICLE	IF	CITATIONS
37	The modulatory role of low concentrations of bisphenol A on tamoxifen-induced proliferation and apoptosis in breast cancer cells. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2353-2362.	5.3	18
38	Microbially reduced humic acid promotes the anaerobic photodegradation of 17 β -ethinylestradiol. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 313-320.	6.0	14
39	A versatile β -cyclodextrin and polyethyleneimine bi-functionalized magnetic nanoadsorbent for simultaneous capture of methyl orange and Pb(II) from complex wastewater. <i>Chemosphere</i> , 2019, 216, 605-616.	8.2	87
40	The microbial transformation of 17 β -estradiol in an anaerobic aqueous environment is mediated by changes in the biological properties of natural dissolved organic matter. <i>Science of the Total Environment</i> , 2018, 631-632, 641-648.	8.0	22
41	Electrochemically modified dissolved organic matter accelerates the combining photodegradation and biodegradation of 17 β -ethinylestradiol in natural aquatic environment. <i>Water Research</i> , 2018, 137, 251-261.	11.3	47
42	The Functional Mechanisms and Application of Electron Shuttles in Extracellular Electron Transfer. <i>Current Microbiology</i> , 2018, 75, 99-106.	2.2	24
43	Removal of toxic metals from aqueous solution by biochars derived from long-root <i>Eichhornia crassipes</i> . <i>Royal Society Open Science</i> , 2018, 5, 180966.	2.4	18
44	Combinatorial anti-proliferative effects of tamoxifen and naringenin: The role of four estrogen receptor subtypes. <i>Toxicology</i> , 2018, 410, 231-246.	4.2	34
45	17 β -Estradiol inhibits testosterone-induced cell proliferation in HepG2 by modulating the relative ratios of 3 estrogen receptor isoforms to the androgen receptor. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8659-8671.	2.6	8
46	Dissolved oxygen inhibits the promotion of chlorothalonil photodegradation mediated by humic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 360, 289-297.	3.9	9
47	Photodegradation of 17 β -ethinylestradiol in dissolved humic substances solution: Kinetics, mechanism and estrogenicity variation. <i>Journal of Environmental Sciences</i> , 2017, 54, 196-205.	6.1	44
48	Mitigating 17 β -ethinylestradiol water contamination through binding and photosensitization by dissolved humic substances. <i>Journal of Hazardous Materials</i> , 2017, 327, 197-205.	12.4	43
49	Photobleaching alters the photochemical and biological reactivity of humic acid towards 17 β -ethinylestradiol. <i>Environmental Pollution</i> , 2017, 220, 1386-1393.	7.5	22
50	Characteristics and Bioaccumulation of Progestogens, Androgens, Estrogens, and Phenols in Erhai Lake Catchment, Yunnan, China. <i>Environmental Engineering Science</i> , 2017, 34, 321-332.	1.6	8
51	Nonmonotonic responses to low doses of xenoestrogens: A review. <i>Environmental Research</i> , 2017, 155, 199-207.	7.5	52
52	Coupling electrochemical and biological methods for 17 β -ethinylestradiol removal from water by different microorganisms. <i>Journal of Hazardous Materials</i> , 2017, 340, 120-129.	12.4	25
53	Enhanced biotic and abiotic transformation of Cr(VI) by quinone-reducing bacteria/dissolved organic matter/Fe(III) in anaerobic environment. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1185-1192.	3.5	17
54	Nitrogen-rich core/shell magnetic nanostructures for selective adsorption and separation of anionic dyes from aqueous solution. <i>Environmental Science: Nano</i> , 2016, 3, 670-681.	4.3	58

#	ARTICLE	IF	CITATIONS
55	Stimulated dissolved organic matter by electrochemical route to produce activity substances for removing of 17 β -ethynylestradiol. <i>Journal of Electroanalytical Chemistry</i> , 2016, 780, 233-240.	3.8	15
56	Magnetically recoverable cross-linked polyethylenimine as a novel adsorbent for removal of anionic dyes with different structures from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 191-201.	5.3	38
57	Dissolved organic matter as a terminal electron acceptor in the microbial oxidation of steroid estrogen. <i>Environmental Pollution</i> , 2016, 218, 26-33.	7.5	32
58	Adsorptive removal of PPCPs by biomorphic HAP templated from cotton. <i>Water Science and Technology</i> , 2016, 74, 276-286.	2.5	12
59	Kinetic characteristics of lightweight aggregates obtained from dredged sediment. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1201-1209.	3.6	4
60	Research progress on the reproductive and non-reproductive endocrine tumors by estrogen-related receptors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 158, 22-30.	2.5	17
61	Effects of pH and dissolved oxygen on the photodegradation of 17 β -ethynylestradiol in dissolved humic acid solution. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 78-86.	3.5	29
62	Adsorption of heavy metal from aqueous solution by dehydrated root powder of long-root <i>Eichhornia crassipes</i> . <i>International Journal of Phytoremediation</i> , 2016, 18, 103-109.	3.1	39
63	Effects and bioaccumulation of 17 β -estradiol and 17 β -ethynylestradiol following long-term exposure in crucian carp. <i>Ecotoxicology and Environmental Safety</i> , 2015, 112, 169-176.	6.0	41
64	Role of ER α in breast cancer by typical xenoestrogens. <i>Tumor Biology</i> , 2015, 36, 7355-7364.	1.8	11
65	Highly stable and covalently functionalized magnetic nanoparticles by polyethyleneimine for Cr(VI) adsorption in aqueous solution. <i>RSC Advances</i> , 2015, 5, 1398-1405.	3.6	67
66	Occurrence, removal, and fate of progestogens, androgens, estrogens, and phenols in six sewage treatment plants around Dianchi Lake in China. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12898-12908.	5.3	68
67	Toxic metal contamination and distribution in soils and plants of a typical metallurgical industrial area in southwest of China. <i>Environmental Earth Sciences</i> , 2014, 72, 2101-2109.	2.7	13
68	The removal of lead ions of the aqueous solution by calcite with cotton morphology. <i>Journal of Materials Science</i> , 2014, 49, 5334-5344.	3.7	13
69	Occurrence, removal and bioaccumulation of steroid estrogens in Dianchi Lake catchment, China. <i>Environment International</i> , 2013, 59, 262-273.	10.0	107
70	Polycyclic Aromatic Hydrocarbons in Surface Soils of Kunming, China: Concentrations, Distribution, Sources, and Potential Risk. <i>Soil and Sediment Contamination</i> , 2013, 22, 753-766.	1.9	20
71	Method Development and Application for Analysis of Heavy Metals in Soils by Microwave-assisted Digestion and Extraction. , 2012, , .		2
72	An improved method for simultaneous analysis of steroid and phenolic endocrine disrupting chemicals in biological samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1135-1149.	3.3	14

#	ARTICLE	IF	CITATIONS
73	An Improved Method for the Derivatization of Phenolic Endocrine Disrupting Chemicals. , 2012, , .		0
74	Determination of four phenolic endocrine disrupting chemicals in Dianchi Lake, China. International Journal of Environmental Analytical Chemistry, 2012, 92, 1532-1545.	3.3	16
75	Nitrogen and Phosphorus Status in Water and Pore Water of Surface Sediment in Dianchi Lake Dredging Areas, China. , 2012, , .		0
76	Vertical Profiles of Various Nitrogen Forms in Sediments of Dianchi Lake, China. , 2012, , .		0
77	Analysis of Six Phenolic Endocrine Disrupting Chemicals in Surface Water and Sediment. Chromatographia, 2011, 74, 297-306.	1.3	18
78	The characteristics of phosphorus pollution in water-sediment interface from Dianchi Lake, China. , 2011, , .		1
79	New Discoveries of Heating Effect on Trimethylsilyl Derivatization for Simultaneous Determination of Steroid Endocrine Disrupting Chemicals by GC-MS. Chromatographia, 2010, 71, 149-153.	1.3	7
80	Simultaneous Derivatization of Hydroxyl and Ketone Groups for the Analysis of Steroid Hormones by GC-MS. Chromatographia, 2010, 72, 949-956.	1.3	23
81	Levels, trends and risk assessment of arsenic pollution in Yangzonghai Lake, Yunnan Province, China. Science China Chemistry, 2010, 53, 1809-1817.	8.2	37