

# Zehua Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80  
papers

2,653  
citations

26  
h-index

50  
g-index

81  
ext. papers

3,275  
ext. citations

7.6  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
80	Sulfite may disrupt estrogen homeostasis in human via inhibition of steroid arylsulfatase.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 29, 19913	5.1	0
79	The analysis of efficiency of activated peroxymonosulfate for fenuron degradation in water. <i>Environmental Technology and Innovation</i> , <b>2022</b> , 26, 102352	7	1
78	Occurrence, spatial distribution, and main source identification of ten bisphenol analogues in the dry season of the Pearl River, South China.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 29, 27352	5.1	0
77	Urinary concentrations of bisphenol analogues in the south of China population and their contribution to the per capital mass loads in wastewater. <i>Environmental Research</i> , <b>2022</b> , 204, 112398	7.9	3
76	Twelve natural estrogens in urines of swine and cattle: Concentration profiles and importance of eight less-studied. <i>Science of the Total Environment</i> , <b>2022</b> , 803, 150042	10.2	4
75	Activity measurement of arylsulfatase and $\beta$ -glucuronidase in activated sludge: HPLC-based versus classical spectrophotometric method.. <i>Water Environment Research</i> , <b>2022</b> , 94, e10704	2.8	0
74	17 $\beta$ -Estradiol, an ignored endogenous natural estrogen in human: Updated estrogen metabolism pathways and its environmental risk analysis.. <i>Science of the Total Environment</i> , <b>2022</b> , 829, 154693	10.2	1
73	Twelve natural estrogens in urines of six threatened or endangered mammalian species in Zoo Park: implications and their potential risk.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
72	Stability properties of natural estrogen conjugates in different aqueous samples at room temperature and tips for sample storage. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	0
71	17 $\beta$ -Ethinylestradiol and its two main conjugates in seven municipal wastewater treatment plants: Analytical method, their occurrence, removal and risk evaluation.. <i>Science of the Total Environment</i> , <b>2021</b> , 812, 152489	10.2	4
70	Facile Fabrication of Free-Standing and Flexible Anodes Composed of Entangled N-Doped Carbon Nanotubes for Application in Lithium Ion Batteries. <i>Nano</i> , <b>2021</b> , 16, 2150011	1.1	1
69	Inhibition Properties of Arylsulfatase and $\beta$ -Glucuronidase by Hydrogen Peroxide, Hypochlorite, and Peracetic Acid. <i>ACS Omega</i> , <b>2021</b> , 6, 8163-8170	3.9	4
68	Possible overestimation of bisphenol analogues in municipal wastewater analyzed with GC-MS. <i>Environmental Pollution</i> , <b>2021</b> , 273, 116505	9.3	4
67	Occurrence and removal of 17 $\beta$ -Ethinylestradiol (EE2) in municipal wastewater treatment plants: Current status and challenges. <i>Chemosphere</i> , <b>2021</b> , 271, 129551	8.4	15
66	Simultaneous determination of triclosan, triclocarban, triclocarban metabolites and byproducts in urine and serum by ultra-high-performance liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2021</b> , 35, e9117	2.2	2
65	Far-Less Studied Natural Estrogens as Ignored Emerging Contaminants in Surface Water: Insights from Their Occurrence in the Pearl River, South China. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 1776-1784		6
64	Making waves: Improving removal performance of conventional wastewater treatment plants on endocrine disrupting compounds (EDCs): their conjugates matter. <i>Water Research</i> , <b>2021</b> , 188, 116469	12.5	26

63	Legislation against endocrine-disrupting compounds in drinking water: essential but not enough to ensure water safety. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 19505-19510	5.1	5
62	Veterinary antibiotics in swine and cattle wastewaters of China and the United States: Features and differences. <i>Water Environment Research</i> , <b>2021</b> , 93, 1516-1529	2.8	1
61	A review of 17β-ethynylestradiol (EE2) in surface water across 32 countries: Sources, concentrations, and potential estrogenic effects. <i>Journal of Environmental Management</i> , <b>2021</b> , 292, 112804	7.9	12
60	Trace determination of eleven natural estrogens and insights from their occurrence in a municipal wastewater treatment plant and river water. <i>Water Research</i> , <b>2020</b> , 182, 115976	12.5	19
59	Bisphenol analogues in Chinese bottled water: Quantification and potential risk analysis. <i>Science of the Total Environment</i> , <b>2020</b> , 713, 136583	10.2	42
58	Strategy for effective inhibition of arylsulfatase/β-glucuronidase to prevent deconjugation of sulfate and glucuronide conjugates in wastewater during sample collection and storage. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135536	10.2	10
57	Human exposure of bisphenol A and its analogues: understandings from human urinary excretion data and wastewater-based epidemiology. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 3247-3256	5.1	19
56	Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135369	10.2	31
55	Mechanism insight into efficient peroxydisulfate activation by novel nano zero-valent iron anchored γ-CoO (nZVI/γCoO) composites. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123157	12.8	13
54	Leaching characteristics of heavy metals in tailings and their simultaneous immobilization with triethylenetetramine functioned montmorillonite (TETA-Mt) against simulated acid rain. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115236	9.3	20
53	A photo-switch for peroxydisulfate non-radical/radical activation over layered CuFe oxide: Rational degradation pathway choice for pollutants. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 261, 118232	21.8	55
52	Degradation mechanism, intermediates and toxicology assessment of tris-(2-chloroisopropyl) phosphate using ultraviolet activated hydrogen peroxide. <i>Chemosphere</i> , <b>2020</b> , 241, 124991	8.4	7
51	OPFRs and BFRs induced A549 cell apoptosis by caspase-dependent mitochondrial pathway. <i>Chemosphere</i> , <b>2019</b> , 221, 693-702	8.4	37
50	Insights into removal mechanisms of bisphenol A and its analogues in municipal wastewater treatment plants. <i>Science of the Total Environment</i> , <b>2019</b> , 692, 107-116	10.2	59
49	Inhibition effect of kaolinite on the development of antibiotic resistance genes in Escherichia coli induced by sublethal ampicillin and its molecular mechanism. <i>Environmental Chemistry</i> , <b>2019</b> , 16, 347	3.2	4
48	Trace determination of sulfonamide antibiotics and their acetylated metabolites via SPE-LC-MS/MS in wastewater and insights from their occurrence in a municipal wastewater treatment plant. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 815-821	10.2	54
47	Identification of novel pathways for biotransformation of tetrabromobisphenol A by Phanerochaete chrysosporium, combined with mechanism analysis at proteome level. <i>Science of the Total Environment</i> , <b>2019</b> , 659, 1352-1361	10.2	26
46	Bisphenol A concentrations in human urine, human intakes across six continents, and annual trends of average intakes in adult and child populations worldwide: A thorough literature review. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 971-981	10.2	82

45	Sulfate-reducing bacteria in anaerobic bioprocesses: basic properties of pure isolates, molecular quantification, and controlling strategies. <i>Environmental Technology Reviews</i> , <b>2018</b> , 7, 46-72	7.7	16
44	iTRAQ-based proteomic profiling of <i>Pycnoporus sanguineus</i> in response to co-existed tetrabromobisphenol A (TBBPA) and hexavalent chromium. <i>Environmental Pollution</i> , <b>2018</b> , 242, 1758-1787	8.7	13
43	Immobilization of <i>Sphingomonas</i> sp. GY2B in polyvinyl alcohol-alginate-kaolin beads for efficient degradation of phenol against unfavorable environmental factors. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 162, 103-111	7	62
42	Cadmium-induced stress response of <i>Phanerochaete chrysosporium</i> during the biodegradation of 2,2,4,4-tetrabromodiphenyl ether (BDE-47). <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 154, 45-51	7	7
41	Fast trace determination of nine odorant and estrogenic chloro- and bromo-phenolic compounds in real water samples through automated solid-phase extraction coupled with liquid chromatography tandem mass spectrometry. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 3813-3822	5.1	21
40	Migration and potential risk of trace phthalates in bottled water: A global situation. <i>Water Research</i> , <b>2018</b> , 147, 362-372	12.5	81
39	Effects of single and combined copper/perfluorooctane sulfonate on sequencing batch reactor process and microbial community in activated sludge. <i>Bioresource Technology</i> , <b>2017</b> , 238, 407-415	11	25
38	Hexavalent chromium induced oxidative stress and apoptosis in <i>Pycnoporus sanguineus</i> . <i>Environmental Pollution</i> , <b>2017</b> , 228, 128-139	9.3	48
37	Worldwide human daily intakes of bisphenol A (BPA) estimated from global urinary concentration data (2000-2016) and its risk analysis. <i>Environmental Pollution</i> , <b>2017</b> , 230, 143-152	9.3	100
36	Characteristics and proteomic analysis of pyrene degradation by <i>Brevibacillus brevis</i> in liquid medium. <i>Chemosphere</i> , <b>2017</b> , 178, 80-87	8.4	25
35	Simultaneous determination of eleven estrogenic and odorous chloro- and bromo-phenolic compounds in surface water through an automated online headspace SPME followed by on-fiber derivatization coupled with GC-MS. <i>Analytical Methods</i> , <b>2017</b> , 9, 4819-4827	3.2	20
34	Three-Dimensional Multi-Doped Porous Carbon/Graphene Derived from Sewage Sludge with Template-Assisted Fe-pillared Montmorillonite for Enhanced Oxygen Reduction Reaction. <i>Scientific Reports</i> , <b>2017</b> , 7, 4158	4.9	13
33	Do estrogenic compounds in drinking water migrating from plastic pipe distribution system pose adverse effects to human? An analysis of scientific literature. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 2126-2134	5.1	20
32	Simultaneous determination of estrogenic odorant alkylphenols, chlorophenols, and their derivatives in water using online headspace solid phase microextraction coupled with gas chromatography-mass spectrometry. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 19116-25	5.1	24
31	Physiological responses of <i>Microcystis aeruginosa</i> against the algicidal bacterium <i>Pseudomonas aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 127, 214-21	7	31
30	Simultaneous Cr(VI) removal and 2,2,4,4-tetrabromodiphenyl ether (BDE-47) biodegradation by <i>Pseudomonas aeruginosa</i> in liquid medium. <i>Chemosphere</i> , <b>2016</b> , 150, 24-32	8.4	25
29	Aerobic degradation of BDE-209 by <i>Enterococcus casseliflavus</i> : Isolation, identification and cell changes during degradation process. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 308, 335-42	12.8	39
28	Metabolic biotransformation of copper-benzo[a]pyrene combined pollutant on the cellular interface of <i>Stenotrophomonas maltophilia</i> . <i>Bioresource Technology</i> , <b>2016</b> , 204, 26-31	11	11

27	Levels of six antibiotics used in China estimated by means of wastewater-based epidemiology. <i>Water Science and Technology</i> , <b>2016</b> , 73, 769-75	2.2	20
26	Do we underestimate the concentration of estriol in raw municipal wastewater?. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 4753-8	5.1	19
25	Estimated human excretion rates of natural estrogens calculated from their concentrations in raw municipal wastewater and its application. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 9554-62	5.1	13
24	Sample-preparation methods for direct and indirect analysis of natural estrogens. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 64, 149-164	14.6	31
23	Removal of natural estrogens and their conjugates in municipal wastewater treatment plants: a critical review. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 5288-300	10.3	109
22	Effect of Pb <sup>2+</sup> , Cd <sup>2+</sup> , Cu <sup>2+</sup> and dissolved organic carbon (DOC) on the distribution and partition of decabromodiphenyl ether (BDE-209) in a water-sediment system. <i>RSC Advances</i> , <b>2015</b> , 5, 105259-105265	3.7	
21	Biosorption and biodegradation of pyrene by <i>Brevibacillus brevis</i> and cellular responses to pyrene treatment. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 115, 166-73	7	26
20	A brief review on possible approaches towards controlling sulfate-reducing bacteria (SRB) in wastewater treatment systems. <i>Desalination and Water Treatment</i> , <b>2015</b> , 53, 2799-2807		21
19	Design, synthesis and antitumor activity of pyrrolopyrazinone-chalcone hybrids. <i>Chemical Research in Chinese Universities</i> , <b>2014</b> , 30, 624-631	2.2	1
18	Dissolved methane: a hurdle for anaerobic treatment of municipal wastewater. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 889-90	10.3	78
17	Comment on "sulfidation of silver nanoparticles: natural antidote to their toxicity". <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6050; discussion 6051-2	10.3	2
16	Influence of co-existed benzo[a]pyrene and copper on the cellular characteristics of <i>Stenotrophomonas maltophilia</i> during biodegradation and transformation. <i>Bioresource Technology</i> , <b>2014</b> , 158, 181-7	11	53
15	Tea saponin enhanced biodegradation of decabromodiphenyl ether by <i>Brevibacillus brevis</i> . <i>Chemosphere</i> , <b>2014</b> , 114, 255-61	8.4	24
14	Polyphosphate- and glycogen-accumulating organisms in one EBPR system for liquid dairy manure. <i>Water Environment Research</i> , <b>2014</b> , 86, 663-71	2.8	8
13	pH-dependent transformation of Ag nanoparticles in anaerobic processes. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12630-1	10.3	20
12	An innovative analytical method for estrogen sulfates without deconjugation procedure. <i>KSCE Journal of Civil Engineering</i> , <b>2012</b> , 16, 919-924	1.9	5
11	Occurrence, fate and removal of synthetic oral contraceptives (SOCs) in the natural environment: a review. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 5149-61	10.2	81
10	Removal of Natural Free Estrogens and their Conjugates in a Municipal Wastewater Treatment Plant. <i>Clean - Soil, Air, Water</i> , <b>2011</b> , 39, 128-135	1.6	22

9	Deconjugation characteristics of natural estrogen conjugates by acid-catalyzed solvolysis and its application for wastewater samples. <i>Journal of Environmental Monitoring</i> , <b>2010</b> , 12, 1594-600		25
8	A review of phytoestrogens: their occurrence and fate in the environment. <i>Water Research</i> , <b>2010</b> , 44, 567-77	12.5	88
7	Simultaneous Analysis of Natural Free Estrogens and Their Conjugates in Wastewater by GC-MS. <i>Clean - Soil, Air, Water</i> , <b>2010</b> , 38, 181-188	1.6	28
6	Simultaneous Analysis of Natural Free Estrogens and Their Sulfate Conjugates in Wastewater. <i>Clean - Soil, Air, Water</i> , <b>2010</b> , 38, 1146-1151	1.6	15
5	Urinary excretion rates of natural estrogens and androgens from humans, and their occurrence and fate in the environment: a review. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 4975-85	10.2	150
4	Profile and removal of endocrine disrupting chemicals by using an ER/AR competitive ligand binding assay and chemical analyses. <i>Journal of Environmental Sciences</i> , <b>2009</b> , 21, 900-6	6.4	39
3	Removal mechanisms for endocrine disrupting compounds (EDCs) in wastewater treatment - physical means, biodegradation, and chemical advanced oxidation: a review. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 731-48	10.2	536
2	Enhanced coagulation of ferric chloride aided by tannic acid for phosphorus removal from wastewater. <i>Chemosphere</i> , <b>2008</b> , 72, 290-8	8.4	80
1	Biological wastewater treatment by a bioreactor with repeated coupling of aerobes and anaerobes aiming at on-site reduction of excess sludge. <i>Water Science and Technology</i> , <b>2006</b> , 53, 71-7	2.2	10