

# Peng Shi

## List of Publications by Citations

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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.

53  
papers

1,922  
citations

21  
h-index

43  
g-index

54  
ext. papers

2,493  
ext. citations

8.4  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
53	Metagenomic insights into chlorination effects on microbial antibiotic resistance in drinking water. <i>Water Research</i> , <b>2013</b> , 47, 111-20	12.5	312
52	Bacterial Community Shift Drives Antibiotic Resistance Promotion during Drinking Water Chlorination. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12271-9	10.3	271
51	Influence of land use and land cover patterns on seasonal water quality at multi-spatial scales. <i>Catena</i> , <b>2017</b> , 151, 182-190	5.8	192
50	Metagenomic insights into Cr(VI) effect on microbial communities and functional genes of an expanded granular sludge bed reactor treating high-nitrate wastewater. <i>Water Research</i> , <b>2015</b> , 76, 43-52	12.5	141
49	Metagenomic profiling of antibiotic resistance genes and mobile genetic elements in a tannery wastewater treatment plant. <i>PLoS ONE</i> , <b>2013</b> , 8, e76079	3.7	77
48	Metagenomic insights into ultraviolet disinfection effects on antibiotic resistome in biologically treated wastewater. <i>Water Research</i> , <b>2016</b> , 101, 309-317	12.5	69
47	High-nitrate wastewater treatment in an expanded granular sludge bed reactor and microbial diversity using 454 pyrosequencing analysis. <i>Bioresource Technology</i> , <b>2013</b> , 134, 190-7	11	67
46	Detection, formation and occurrence of 13 new polar phenolic chlorinated and brominated disinfection byproducts in drinking water. <i>Water Research</i> , <b>2017</b> , 112, 129-136	12.5	65
45	Quantification of nitrate sources and fates in rivers in an irrigated agricultural area using environmental isotopes and a Bayesian isotope mixing model. <i>Chemosphere</i> , <b>2018</b> , 208, 493-501	8.4	62
44	Seasonal changes in water quality and its main influencing factors in the Dan River basin. <i>Catena</i> , <b>2019</b> , 173, 131-140	5.8	52
43	A comprehensive insight into bacterial virulence in drinking water using 454 pyrosequencing and Illumina high-throughput sequencing. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 109, 15-21	7	50
42	Antibiotic Resistome Alteration by Different Disinfection Strategies in a Full-Scale Drinking Water Treatment Plant Deciphered by Metagenomic Assembly. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2141-2150	10.3	41
41	The deep challenge of nitrate pollution in river water of China. <i>Science of the Total Environment</i> , <b>2021</b> , 770, 144674	10.2	40
40	Metagenomic profiling of antibiotic resistance genes and their associations with bacterial community during multiple disinfection regimes in a full-scale drinking water treatment plant. <i>Water Research</i> , <b>2020</b> , 176, 115721	12.5	39
39	Occurrence, abundance and elimination of class 1 integrons in one municipal sewage treatment plant. <i>Ecotoxicology</i> , <b>2011</b> , 20, 968-73	2.9	38
38	Response of nitrogen pollution in surface water to land use and social-economic factors in the Weihe River watershed, northwest China. <i>Sustainable Cities and Society</i> , <b>2019</b> , 50, 101658	10.1	34
37	A New Group of Disinfection Byproducts in Drinking Water: Trihalo-hydroxy-cyclopentene-diones. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 7344-52	10.3	34

36	Toxicological and chemical insights into representative source and drinking water in eastern China. <i>Environmental Pollution</i> , <b>2018</b> , 233, 35-44	9.3	32
35	Assessment of phenol effect on microbial community structure and function in an anaerobic denitrifying process treating high concentration nitrate wastewater. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 757-763	14.7	31
34	Has Grain for Green threaten food security on the Loess Plateau of China?. <i>Ecosystem Health and Sustainability</i> , <b>2020</b> , 6, 1709560	3.7	25
33	Environmental fate of tetracycline resistance genes originating from swine feedlots in river water. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2014</b> , 49, 624-31	2.2	25
32	Fate of organic micropollutants and their biological effects in a drinking water source treated by a field-scale constructed wetland. <i>Science of the Total Environment</i> , <b>2019</b> , 682, 756-764	10.2	18
31	Occurrence and potential human health risks of semi-volatile organic compounds in drinking water from cities along the Chinese coastland of the Yellow Sea. <i>Chemosphere</i> , <b>2018</b> , 206, 655-662	8.4	17
30	Performance and microbial diversity of an expanded granular sludge bed reactor for high sulfate and nitrate waste brine treatment. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 717-25	6.4	16
29	Anion-exchange resin adsorption followed by electrolysis: A new disinfection approach to control halogenated disinfection byproducts in drinking water. <i>Water Research</i> , <b>2020</b> , 168, 115144	12.5	16
28	454 pyrosequencing analysis on microbial diversity of an expanded granular sludge bed reactor treating high NaCl and nitrate concentration wastewater. <i>Biotechnology and Bioprocess Engineering</i> , <b>2014</b> , 19, 183-190	3.1	15
27	Antimicrobial resins with quaternary ammonium salts as a supplement to combat the antibiotic resistance in drinking water treatment plants. <i>Chemosphere</i> , <b>2019</b> , 221, 132-140	8.4	14
26	A comparative study of bacterial and fungal-bacterial steady-state stages of a biofilter in gaseous toluene removal: performance and microbial community. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 2853-2861	3.5	10
25	1,4-Dioxane exposure induces kidney damage in mice by perturbing specific renal metabolic pathways: An integrated omics insight into the underlying mechanisms. <i>Chemosphere</i> , <b>2019</b> , 228, 149-158	8.4	9
24	Suspect screening and risk assessment of pollutants in the wastewater from a chemical industry park in China. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114493	9.3	9
23	Chemical and bioanalytical assessments on drinking water treatments by quaternized magnetic microspheres. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 285, 53-60	12.8	8
22	Microbial Community in a Biofilter for Removal of Low Load Nitrobenzene Waste Gas. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170417	3.7	8
21	Detection, transformation, and toxicity of indole-derivative nonsteroidal anti-inflammatory drugs during chlorine disinfection. <i>Chemosphere</i> , <b>2020</b> , 260, 127579	8.4	8
20	Environmental decontamination using photocatalytic fuel cells and photoelectrocatalysis-microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 3336-3346	3.5	7
19	Oral Exposure to 1,4-Dioxane Induces Hepatic Inflammation in Mice: The Potential Promoting Effect of the Gut Microbiome. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 10149-10158	10.3	7

18	Detection, identification and control of polar iodinated disinfection byproducts in chlor(am)inated secondary wastewater effluents. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 397-405	4.2	6
17	Performance of a novel magnetic solid-phase-extraction microsphere and its application in the detection of organic micropollutants in the Huai River, China. <i>Environmental Pollution</i> , <b>2019</b> , 252, 196-204	9.3	6
16	Trade-offs Among Ecosystem Services After Vegetation Restoration in China's Loess Plateau. <i>Natural Resources Research</i> , <b>2021</b> , 30, 2703-2713	4.9	6
15	Kinetics and efficacy of membrane/DNA damage to <i>Bacillus subtilis</i> and autochthonous bacteria during UV/chlorine treatment under different pH and irradiation wavelengths. <i>Chemical Engineering Journal</i> , <b>2021</b> , 422, 129885	14.7	6
14	Development of a magnetic solid-phase extraction coupled with gas chromatography and mass spectrometry method for the analysis of semivolatile organic compounds. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 3295-3303	3.4	5
13	Chronic exposure to contaminated drinking water stimulates PPAR expression in mice livers. <i>Chemosphere</i> , <b>2012</b> , 88, 407-12	8.4	5
12	The performance of quaternized magnetic microspheres on control of disinfection by-products and toxicity in drinking water. <i>Chemical Engineering Journal</i> , <b>2014</b> , 254, 230-236	14.7	4
11	Risk assessments of emerging contaminants in various waters and changes of microbial diversity in sediments from Yangtze River chemical contiguous zone, Eastern China. <i>Science of the Total Environment</i> , <b>2022</b> , 803, 149982	10.2	4
10	The impact of land use and socio-economic factors on ammonia nitrogen pollution in Weihe River watershed, China. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 17659-17674	5.1	4
9	Concentrations, Sources, and Potential Human Health Risks of PCDD/Fs, dl-PCBs, and PAHs in Rural Atmosphere Around Chemical Plants in Jiangsu Province, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2020</b> , 104, 846-851	2.7	3
8	A cross-omics toxicological evaluation of drinking water treated with different processes. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 271, 57-64	12.8	3
7	Structure-dependent antimicrobial mechanism of quaternary ammonium resins and a novel synthesis of highly efficient antimicrobial resin. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144450	10.2	3
6	Spatial dynamics of bacterial community in chlorinated drinking water distribution systems supplied with two treatment plants: An integral study of free-living and particle-associated bacteria. <i>Environment International</i> , <b>2021</b> , 154, 106552	12.9	3
5	Organic micropollutants and disinfection byproducts removal from drinking water using concurrent anion exchange and chlorination process. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 141470	10.2	2
4	Surficial N <sup>+</sup> charge density indicating antibacterial capacity of quaternary ammonium resins in water environment. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239941	3.7	1
3	Vegetation restoration and agricultural management to mitigate nitrogen pollution in the surface waters of the Dan River, China. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 47136-47148	5.1	1
2	In vivo toxicity evaluations of halophenolic disinfection byproducts in drinking water: A multi-omics analysis of toxic mechanisms.. <i>Water Research</i> , <b>2022</b> , 218, 118431	12.5	1
1	Metagenomic Profiling of Antibiotic Resistance Genes and Mobile Genetic Elements in a Tannery Wastewater Treatment Plant <b>2015</b> , 141-161		

