Peng Shi

List of Publications by Year
in descending order

53	3,075	236612	168136
papers	citations	25	53
		h-index	g-index

54	54	54	3137
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metagenomic insights into chlorination effects on microbial antibiotic resistance in drinking water. Water Research, 2013, 47, 111-120.	5.3	423
2	Bacterial Community Shift Drives Antibiotic Resistance Promotion during Drinking Water Chlorination. Environmental Science & Technology, 2015, 49, 12271-12279.	4.6	384
3	Influence of land use and land cover patterns on seasonal water quality at multi-spatial scales. Catena, 2017, 151, 182-190.	2.2	334
4	Metagenomic insights into Cr(VI) effect on microbial communities and functional genes of an expanded granular sludge bed reactor treating high-nitrate wastewater. Water Research, 2015, 76, 43-52.	5.3	192
5	The deep challenge of nitrate pollution in river water of China. Science of the Total Environment, 2021, 770, 144674.	3.9	166
6	Seasonal changes in water quality and its main influencing factors in the Dan River basin. Catena, 2019, 173, 131-140.	2.2	106
7	High-nitrate wastewater treatment in an expanded granular sludge bed reactor and microbial diversity using 454 pyrosequencing analysis. Bioresource Technology, 2013, 134, 190-197.	4.8	93
8	Metagenomic Profiling of Antibiotic Resistance Genes and Mobile Genetic Elements in a Tannery Wastewater Treatment Plant. PLoS ONE, 2013, 8, e76079.	1.1	93
9	Quantification of nitrate sources and fates in rivers in an irrigated agricultural area using environmental isotopes and a Bayesian isotope mixing model. Chemosphere, 2018, 208, 493-501.	4.2	92
10	Metagenomic insights into ultraviolet disinfection effects on antibiotic resistome in biologically treated wastewater. Water Research, 2016, 101, 309-317.	5.3	91
11	Detection, formation and occurrence of 13 new polar phenolic chlorinated and brominated disinfection byproducts in drinking water. Water Research, 2017, 112, 129-136.	5.3	89
12	Antibiotic Resistome Alteration by Different Disinfection Strategies in a Full-Scale Drinking Water Treatment Plant Deciphered by Metagenomic Assembly. Environmental Science & Technology, 2019, 53, 2141-2150.	4.6	85
13	Metagenomic profiling of antibiotic resistance genes and their associations with bacterial community during multiple disinfection regimes in a full-scale drinking water treatment plant. Water Research, 2020, 176, 115721.	5.3	83
14	A comprehensive insight into bacterial virulence in drinking water using 454 pyrosequencing and Illumina high-throughput sequencing. Ecotoxicology and Environmental Safety, 2014, 109, 15-21.	2.9	74
15	Has â€œGrain for Greenâ€•threaten food security on the Loess Plateau of China?. Ecosystem Health and Sustainability, 2020, 6, .	1.5	63
16	Response of nitrogen pollution in surface water to land use and social-economic factors in the Weihe River watershed, northwest China. Sustainable Cities and Society, 2019, 50, 101658.	5.1	61
17	A New Group of Disinfection Byproducts in Drinking Water: Trihalo-hydroxy-cyclopentene-diones. Environmental Science & Technology, 2016, 50, 7344-7352.	4.6	50
18	Assessment of phenol effect on microbial community structure and function in an anaerobic denitrifying process treating high concentration nitrate wastewater. Chemical Engineering Journal, 2017, 330, 757-763.	6.6	50

#	ARTICLE	IF	CITATIONS
19	Toxicological and chemical insights into representative source and drinking water in eastern China. Environmental Pollution, 2018, 233, 35-44.	3.7	46
20	Occurrence, abundance and elimination of class 1 integrons in one municipal sewage treatment plant. Ecotoxicology, 2011, 20, 968-973.	1.1	39
21	Environmental fate of tetracycline resistance genes originating from swine feedlots in river water. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 624-631.	0.7	33
22	Fate of organic micropollutants and their biological effects in a drinking water source treated by a field-scale constructed wetland. Science of the Total Environment, 2019, 682, 756-764.	3.9	31
23	Anion-exchange resin adsorption followed by electrolysis: A new disinfection approach to control halogenated disinfection byproducts in drinking water. Water Research, 2020, 168, 115144.	5.3	30
24	Occurrence and potential human health risks of semi-volatile organic compounds in drinking water from cities along the Chinese coastland of the Yellow Sea. Chemosphere, 2018, 206, 655-662.	4.2	27
25	Trade-offs Among Ecosystem Services After Vegetation Restoration in China's Loess Plateau. Natural Resources Research, 2021, 30, 2703-2713.	2.2	26
26	Performance and microbial diversity of an expanded granular sludge bed reactor for high sulfate and nitrate waste brine treatment. Journal of Environmental Sciences, 2014, 26, 717-725.	3.2	24
27	Antimicrobial resins with quaternary ammonium salts as a supplement to combat the antibiotic resistome in drinking water treatment plants. Chemosphere, 2019, 221, 132-140.	4.2	20
28	Oral Exposure to 1,4-Dioxane Induces Hepatic Inflammation in Mice: The Potential Promoting Effect of the Gut Microbiome. Environmental Science & Technology, 2020, 54, 10149-10158.	4.6	17
29	Kinetics and efficacy of membrane/DNA damage to Bacillus subtilis and autochthonous bacteria during UV/chlorine treatment under different pH and irradiation wavelengths. Chemical Engineering Journal, 2021, 422, 129885.	6.6	17
30	454 pyrosequencing analysis on microbial diversity of an expanded granular sludge bed reactor treating high NaCl and nitrate concentration wastewater. Biotechnology and Bioprocess Engineering, 2014, 19, 183-190.	1.4	16
31	Detection, transformation, and toxicity of indole-derivative nonsteroidal anti-inflammatory drugs during chlorine disinfection. Chemosphere, 2020, 260, 127579.	4.2	16
32	1,4-Dioxane exposure induces kidney damage in mice by perturbing specific renal metabolic pathways: An integrated omics insight into the underlying mechanisms. Chemosphere, 2019, 228, 149-158.	4.2	15
33	Risk assessments of emerging contaminants in various waters and changes of microbial diversity in sediments from Yangtze River chemical contiguous zone, Eastern China. Science of the Total Environment, 2022, 803, 149982.	3.9	15
34	Suspect screening and risk assessment of pollutants in the wastewater from a chemical industry park in China. Environmental Pollution, 2020, 263, 114493.	3.7	14
35	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. Environment International, 2021, 154, 106552.	4.8	14
36	Environmental decontamination using photocatalytic fuel cells and photoelectrocatalysis–microbial fuel cells. Journal of Chemical Technology and Biotechnology, 2018, 93, 3336-3346.	1.6	12

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37	A comparative study of bacterial and fungal–bacterial steady–state stages of a biofilter in gaseous toluene removal: performance and microbial community. Journal of Chemical Technology and Biotechnology, 2017, 92, 2853-2861.	1.6	11
38	Microbial Community in a Biofilter for Removal of Low Load Nitrobenzene Waste Gas. PLoS ONE, 2017, 12, e0170417.	1.1	11
39	Organic micropollutants and disinfection byproducts removal from drinking water using concurrent anion exchange and chlorination process. Science of the Total Environment, 2021, 752, 141470.	3.9	11
40	Structure-dependent antimicrobial mechanism of quaternary ammonium resins and a novel synthesis of highly efficient antimicrobial resin. Science of the Total Environment, 2021, 768, 144450.	3.9	11
41	The impact of land use and socio-economic factors on ammonia nitrogen pollution in Weihe River watershed, China. Environmental Science and Pollution Research, 2021, 28, 17659-17674.	2.7	11
42	Chemical and bioanalytical assessments on drinking water treatments by quaternized magnetic microspheres. Journal of Hazardous Materials, 2015, 285, 53-60.	6.5	10
43	Performance of a novel magnetic solid-phase-extraction microsphere and its application in the detection of organic micropollutants in the Huai River, China. Environmental Pollution, 2019, 252, 196-204.	3.7	10
44	Characterizing Molecular Weight Distribution and Optical Properties of Dissolved Organic Matter and Unraveling the Origins of Anthropogenic Fluorophores in Yangtze River and Its Tributaries. ACS ES&T Water, 2022, 2, 1056-1064.	2.3	9
45	Concentrations, Sources, and Potential Human Health Risks of PCDD/Fs, dl-PCBs, and PAHs in Rural Atmosphere Around Chemical Plants in Jiangsu Province, China. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 846-851.	1.3	8
46	Vegetation restoration and agricultural management to mitigate nitrogen pollution in the surface waters of the Dan River, China. Environmental Science and Pollution Research, 2021, 28, 47136-47148.	2.7	8
47	In vivo toxicity evaluations of halophenolic disinfection byproducts in drinking water: A multi-omics analysis of toxic mechanisms. Water Research, 2022, 218, 118431.	5.3	8
48	Detection, identification and control of polar iodinated disinfection byproducts in chlor(am)inated secondary wastewater effluents. Environmental Science: Water Research and Technology, 2019, 5, 397-405.	1.2	7
49	Chronic exposure to contaminated drinking water stimulates PPAR expression in mice livers. Chemosphere, 2012, 88, 407-412.	4.2	5
50	The performance of quaternized magnetic microspheres on control of disinfection by-products and toxicity in drinking water. Chemical Engineering Journal, 2014, 254, 230-236.	6.6	5
51	Development of a magnetic solid–phase extraction coupled with gas chromatography and mass spectrometry method for the analysis of semivolatile organic compounds. Journal of Separation Science, 2015, 38, 3295-3303.	1.3	5
52	A cross-omics toxicological evaluation of drinking water treated with different processes. Journal of Hazardous Materials, 2014, 271, 57-64.	6.5	3
53	Surficial N+ charge density indicating antibacterial capacity of quaternary ammonium resins in water environment. PLoS ONE, 2020, 15, e0239941.	1.1	1