

# Qian Sun

## List of Publications by Year in descending order

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74  
papers

4,286  
citations

109321

35  
h-index

114465

63  
g-index

76  
all docs

76  
docs citations

76  
times ranked

5042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of silver nanoparticles using tea leaf extract and evaluation of their stability and antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 444, 226-231.	4.7	359
2	Seasonal variation in the occurrence and removal of pharmaceuticals and personal care products in a wastewater treatment plant in Xiamen, China. <i>Journal of Hazardous Materials</i> , 2014, 277, 69-75.	12.4	223
3	Strong impact of anthropogenic contamination on the occurrence patterns of a riverine microbial community. <i>Environmental Microbiology</i> , 2017, 19, 4993-5009.	3.8	213
4	Seasonal and spatial variations of PPCP occurrence, removal and mass loading in three wastewater treatment plants located in different urbanization areas in Xiamen, China. <i>Environmental Pollution</i> , 2016, 208, 371-381.	7.5	182
5	Ecological risk assessment of pharmaceuticals in the receiving environment of pharmaceutical wastewater in Pakistan. <i>Ecotoxicology and Environmental Safety</i> , 2017, 136, 31-39.	6.0	163
6	Occurrence, fate, and mass balance of different classes of pharmaceuticals and personal care products in an anaerobic-anoxic-oxic wastewater treatment plant in Xiamen, China. <i>Water Research</i> , 2017, 123, 655-667.	11.3	156
7	Application of nanoscale zero valent iron and iron powder during sludge anaerobic digestion: Impact on methane yield and pharmaceutical and personal care products degradation. <i>Journal of Hazardous Materials</i> , 2017, 321, 47-53.	12.4	141
8	Fate and mass balance of bisphenol analogues in wastewater treatment plants in Xiamen City, China. <i>Environmental Pollution</i> , 2017, 225, 542-549.	7.5	138
9	Effect of nanoscale zero-valent iron and magnetite (Fe <sub>3</sub> O <sub>4</sub> ) on the fate of metals during anaerobic digestion of sludge. <i>Water Research</i> , 2016, 88, 897-903.	11.3	137
10	PPCPs in Jiulong River estuary (China): Spatiotemporal distributions, fate, and their use as chemical markers of wastewater. <i>Chemosphere</i> , 2016, 150, 596-604.	8.2	127
11	Biodegradation of sulfamethoxazole in bacteria from three different origins. <i>Journal of Environmental Management</i> , 2018, 206, 93-102.	7.8	121
12	Dissipation of antibiotics by microalgae: Kinetics, identification of transformation products and pathways. <i>Journal of Hazardous Materials</i> , 2020, 387, 121985.	12.4	121
13	Heavy metal removal from sludge with organic chelators: Comparative study of N, N-bis(carboxymethyl) glutamic acid and citric acid. <i>Journal of Environmental Management</i> , 2016, 166, 341-347.	7.8	113
14	Occurrence, spatial variation and risk assessment of pharmaceuticals and personal care products in urban wastewater, canal surface water, and their sediments: A case study of Lahore, Pakistan. <i>Science of the Total Environment</i> , 2019, 688, 653-663.	8.0	105
15	Monitoring, mass balance and fate of pharmaceuticals and personal care products in seven wastewater treatment plants in Xiamen City, China. <i>Journal of Hazardous Materials</i> , 2018, 354, 81-90.	12.4	98
16	Enhancement of catalytic degradation of amoxicillin in aqueous solution using clay supported bimetallic Fe/Ni nanoparticles. <i>Chemosphere</i> , 2014, 103, 80-85.	8.2	94
17	Pharmaceuticals and personal care products in a mesoscale subtropical watershed and their application as sewage markers. <i>Journal of Hazardous Materials</i> , 2014, 280, 696-705.	12.4	91
18	Removal of silver nanoparticles by coagulation processes. <i>Journal of Hazardous Materials</i> , 2013, 261, 414-420.	12.4	80

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19	Occurrence and ecological risk assessment of fluoroquinolone antibiotics in hospital waste of Lahore, Pakistan. <i>Environmental Toxicology and Pharmacology</i> , 2016, 42, 16-22.	4.0	78
20	Characterization of triclosan metabolism in <i>Sphingomonas</i> sp. strain YL-JM2C. <i>Scientific Reports</i> , 2016, 6, 21965.	3.3	73
21	Transformation of Bisphenol A and Alkylphenols by Ammonia-Oxidizing Bacteria through Nitration. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4442-4448.	10.0	70
22	Simultaneous removal of amoxicillin, ampicillin and penicillin by clay supported Fe/Ni bimetallic nanoparticles. <i>Environmental Pollution</i> , 2018, 236, 562-569.	7.5	69
23	Selective and fast recovery of rare earth elements from industrial wastewater by porous $\beta$ -cyclodextrin and magnetic $\beta$ -cyclodextrin polymers. <i>Water Research</i> , 2020, 181, 115857.	11.3	66
24	Decolorization of azo dye methyl red by suspended and co-immobilized bacterial cells with mediators anthraquinone-2,6-disulfonate and Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>International Biodeterioration and Biodegradation</i> , 2016, 112, 88-97.	3.9	65
25	Removal of co-contaminants Cu (II) and nitrate from aqueous solution using kaolin-Fe/Ni nanoparticles. <i>Chemical Engineering Journal</i> , 2014, 244, 19-26.	12.7	62
26	Comparative studies of aerobic and anaerobic biodegradation of methylparaben and propylparaben in activated sludge. <i>Ecotoxicology and Environmental Safety</i> , 2017, 138, 25-31.	6.0	54
27	Evaluation of Sulfadiazine Degradation in Three Newly Isolated Pure Bacterial Cultures. <i>PLoS ONE</i> , 2016, 11, e0165013.	2.5	52
28	Simultaneous analysis of 45 pharmaceuticals and personal care products in sludge by matrix solid-phase dispersion and liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4953-4964.	3.7	48
29	Degradation of triclocarban by a triclosan-degrading <i>Sphingomonas</i> sp. strain YL-JM2C. <i>Chemosphere</i> , 2016, 144, 292-296.	8.2	48
30	Homogeneous selection drives antibiotic resistome in two adjacent sub-watersheds, China. <i>Journal of Hazardous Materials</i> , 2020, 398, 122820.	12.4	46
31	Occurrence, geochemical fractionation, and environmental risk assessment of major and trace elements in sewage sludge. <i>Journal of Environmental Management</i> , 2019, 249, 109427.	7.8	44
32	Occurrence and fate of bisphenol A transformation products, bisphenol A monomethyl ether and bisphenol A dimethyl ether, in wastewater treatment plants and surface water. <i>Journal of Hazardous Materials</i> , 2018, 357, 401-407.	12.4	42
33	Occurrence and fate of triclosan and triclocarban in a subtropical river and its estuary. <i>Marine Pollution Bulletin</i> , 2014, 88, 383-388.	5.0	41
34	Removal of environmental estrogens by bacterial cell immobilization technique. <i>Chemosphere</i> , 2016, 144, 607-614.	8.2	41
35	Biotransformation of estrone, 17 $\beta$ -estradiol and 17 $\alpha$ -ethynylestradiol by four species of microalgae. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 723-732.	6.0	38
36	Speciation of metal-EDTA complexes by flow injection analysis with electrospray ionization mass spectrometry and ion chromatography with inductively coupled plasma mass spectrometry. <i>Journal of Separation Science</i> , 2008, 31, 3796-3802.	2.5	34

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37	Occurrence, seasonal variation and risk evaluation of selected endocrine disrupting compounds and their transformation products in Jiulong river and estuary, China. <i>Marine Pollution Bulletin</i> , 2019, 145, 370-376.	5.0	34
38	Monitoring and mass balance analysis of endocrine disrupting compounds and their transformation products in an anaerobic-anoxic-oxic wastewater treatment system in Xiamen, China. <i>Chemosphere</i> , 2018, 204, 170-177.	8.2	32
39	Highly Selective Recovery of Lanthanides by Using a Layered Vanadate with Acid and Radiation Resistance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1878-1883.	13.8	31
40	Determination of 38 pharmaceuticals and personal care products in water by lyophilization combined with liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2021, 13, 299-310.	2.7	30
41	Domestic wastewater causes nitrate pollution in an agricultural watershed, China. <i>Science of the Total Environment</i> , 2022, 823, 153680.	8.0	30
42	Simultaneous analysis of multiclass antibiotic residues in complex environmental matrices by liquid chromatography with tandem quadrupole mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1145, 122103.	2.3	29
43	Silver nanoparticles induce oocyte maturation in zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , 2017, 170, 51-60.	8.2	28
44	Bisphenol A attenuation in natural microcosm: Contribution of ecological components and identification of transformation pathways through stable isotope tracing. <i>Journal of Hazardous Materials</i> , 2020, 385, 121584.	12.4	28
45	Spatial autocorrelation and temporal variation of contaminants of emerging concern in a typical urbanizing river. <i>Water Research</i> , 2022, 212, 118120.	11.3	27
46	Degradation of microcystin-LR using functional clay supported bimetallic Fe/Pd nanoparticles based on adsorption and reduction. <i>Chemical Engineering Journal</i> , 2014, 255, 55-62.	12.7	25
47	Effect of a weak magnetic field on triclosan removal using zero-valent iron under aerobic and anaerobic conditions. <i>Chemical Engineering Journal</i> , 2018, 346, 24-33.	12.7	24
48	Recovery and purification of rare earth elements from wastewater and sludge using a porous magnetic composite of $\beta$ -cyclodextrin and silica doped with PC88A. <i>Separation and Purification Technology</i> , 2021, 266, 118589.	7.9	24
49	Determination of Commonly Used Pharmaceuticals in Hospital Waste of Pakistan and Evaluation of Their Ecological Risk Assessment. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500392.	1.1	23
50	Contribution of biotic and abiotic factors in the natural attenuation of sulfamethoxazole: A path analysis approach. <i>Science of the Total Environment</i> , 2018, 633, 1217-1226.	8.0	23
51	Ultrafast and selective uptake of $\text{Eu}^{3+}$ from aqueous solutions by two layered sulfides. <i>Chemical Engineering Journal</i> , 2021, 420, 127613.	12.7	23
52	Strong impact of micropollutants on prokaryotic communities at the horizontal but not vertical scales in a subtropical reservoir, China. <i>Science of the Total Environment</i> , 2020, 721, 137767.	8.0	19
53	Simultaneous Analysis of Multiclass Contaminants of Emerging Concern in Sediments by Liquid Chromatography with Tandem Quadrupole Mass Spectrometry. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1409-1422.	4.3	18
54	Assessment of the occurrence, spatiotemporal variations and geoaccumulation of fifty-two inorganic elements in sewage sludge: A sludge management revisit. <i>Scientific Reports</i> , 2017, 7, 5698.	3.3	16

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55	Integrated assessment of major and trace elements in surface and core sediments from an urban lagoon, China: Potential ecological risks and influencing factors. <i>Marine Pollution Bulletin</i> , 2021, 170, 112651.	5.0	16
56	Identification of Enantiomeric Byproducts During Microalgae-Mediated Transformation of Metoprolol by MS/MS Spectrum Based Networking. <i>Frontiers in Microbiology</i> , 2018, 9, 2115.	3.5	15
57	Tracking microeukaryotic footprint in a peri-urban watershed, China through machine-learning approaches. <i>Science of the Total Environment</i> , 2022, 806, 150401.	8.0	15
58	On-Line SPE Coupled with LC-APCI-MS for the Determination of Trace Explosives in Water. <i>Chromatographia</i> , 2011, 73, 631-637.	1.3	14
59	Microalgal mediated antibiotic co-metabolism: Kinetics, transformation products and pathways. <i>Chemosphere</i> , 2022, 292, 133438.	8.2	14
60	Induced aging, structural change, and adsorption behavior modifications of microplastics by microalgae. <i>Environment International</i> , 2022, 166, 107382.	10.0	13
61	Rare earth and precious elements in the urban sewage sludge and lake surface sediments under anthropogenic influence in the Republic of Benin. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 625.	2.7	10
62	Characterization and Performance of Lactate-Feeding Consortia for Reductive Dechlorination of Trichloroethene. <i>Microorganisms</i> , 2021, 9, 751.	3.6	10
63	Repeated introduction of micropollutants enhances microbial succession despite stable degradation patterns. <i>ISME Communications</i> , 2022, 2, .	4.2	10
64	On-line solid-phase extraction coupled with liquid chromatography/electrospray ionization mass spectrometry for the determination of trace tributyltin and triphenyltin in water samples. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3795-3802.	1.5	9
65	Diagnosis and ecotoxicological risk assessment of 49 elements in sludge from wastewater treatment plants of Chongqing and Xiamen cities, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29006-29016.	5.3	9
66	Elemental Contaminants in Surface Sediments from Jiulong River Estuary, China: Pollution Level and Ecotoxicological Risk Assessment. <i>Water (Switzerland)</i> , 2020, 12, 1640.	2.7	9
67	Continuous antibiotic attenuation in algal membrane photobioreactor: Performance and kinetics. <i>Journal of Hazardous Materials</i> , 2022, 434, 128910.	12.4	9
68	A closed-loop system to recycle rare earth elements from industrial sludge using green leaching agents and porous $\beta$ -cyclodextrin polymer composite. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106152.	10.8	7
69	Reduction of polyatomic interferences during ion-chromatographic speciation of metal ions via their EDTA complexes along with ICP-MS detection using an octopole reaction system. <i>Mikrochimica Acta</i> , 2010, 169, 41-47.	5.0	6
70	Reconciliation of Spatiotemporal Influences on Two-Dimensional Distribution and Fate of Emerging Contaminants in a Subtropical River. <i>ACS ES&amp;T Water</i> , 0, , .	4.6	6
71	Simultaneous determination of cyromazine, melamine and their biodegradation products by ion-pair high-performance liquid chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 1173-1182.	3.3	5
72	Predicting Microbial Species in a River Based on Physicochemical Properties by Bio-Inspired Metaheuristic Optimized Machine Learning. <i>Sustainability</i> , 2019, 11, 6889.	3.2	5

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73	Determination of nine emerging pesticides at trace level in aqueous samples using fully automated on-line solid phase extraction coupled with liquid chromatography-mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 970-983.	3.3	3
74	Changes in Wastewater Treatment Performance and the Microbial Community during the Bioaugmentation of a Denitrifying <i>Pseudomonas</i> Strain in the Low Carbon–Nitrogen Ratio Sequencing Batch Reactor. <i>Water (Switzerland)</i> , 2022, 14, 540.	2.7	2