Pin Gao

List of Publications by Year in Descending Order

73 papers	2,412 citations	26 h-index	47 g-index
81 ext. papers	3,242 ext. citations	7.5 avg, IF	5.65 L-index

#	Paper	IF	Citations
73	The composition, biotic network, and assembly of plastisphere protistan taxonomic and functional communities in plastic-mulching croplands.. *Journal of Hazardous Materials*, **2022**, 430, 128390	12.8	0
72	Activation of peracetic acid by RuO2/MWCNTs to degrade sulfamethoxazole at neutral condition. *Chemical Engineering Journal*, **2022**, 431, 134217	14.7	4
71	Response of soil protozoa to acid mine drainage in a contaminated terrace. *Journal of Hazardous Materials*, **2022**, 421, 126790	12.8	9
70	Enhanced adsorption of tetracycline on polypropylene and polyethylene microplastics after anaerobically microbial-mediated aging process. *Journal of Hazardous Materials Advances*, **2022**, 6, 100075		0
69	Effects of perfluorooctanoic acid (PFOA) on activated sludge microbial community under aerobic and anaerobic conditions.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
68	Bacteria responsible for antimonite oxidation in antimony-contaminated soil revealed by DNA-SIP coupled to metagenomics. *FEMS Microbiology Ecology*, **2021**, 97,	4.3	4
67	Occurrence and removal of microplastics from wastewater treatment plants in a typical tourist city in China. *Journal of Cleaner Production*, **2021**, 291, 125968	10.3	33
66	Solar-driven, self-sustainable electrolysis for treating eutrophic river water: Intensified nutrient removal and reshaped microbial communities. *Science of the Total Environment*, **2021**, 764, 144293	10.2	2
65	Significant effect of pH on tetracycline resistance genes reduction during sludge thermal hydrolysis treatment. *Waste Management*, **2021**, 124, 36-45	8.6	6
64	Metabolic potentials of members of the class Acidobacteriia in metal-contaminated soils revealed by metagenomic analysis. *Environmental Microbiology*, **2021**,	5.2	9
63	Structure and variation of root-associated bacterial communities of Cyperus rotundus L. in the contaminated soils around Pb/Zn mine sites. *Environmental Science and Pollution Research*, **2021**, 28, 58523-58535	5.1	4
62	Root-associated (rhizosphere and endosphere) microbiomes of the Miscanthus sinensis and their response to the heavy metal contamination. *Journal of Environmental Sciences*, **2021**, 104, 387-398	6.4	20
61	Investigation of the antimony fractions and indigenous microbiota in aerobic and anaerobic rice paddies. *Science of the Total Environment*, **2021**, 771, 145408	10.2	7
60	Citric acid and AMF inoculation combination-assisted phytoextraction of vanadium (V) by Medicago sativa in V mining contaminated soil. *Environmental Science and Pollution Research*, **2021**, 28, 67472-67486	5.1	2
59	Effects of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonic Acid (PFOS) on Soil Microbial Community. *Microbial Ecology*, **2021**, 1	4.4	2
58	Microplastics in freshwater and wild fishes from Lijiang River in Guangxi, Southwest China. *Science of the Total Environment*, **2021**, 755, 142428	10.2	31
57	Formation of persistent free radicals in sludge biochar by hydrothermal carbonization. *Environmental Chemistry Letters*, **2021**, 19, 2705-2712	13.3	3

56	Synergistic Impacts of Arsenic and Antimony Co-contamination on Diazotrophic Communities. *Microbial Ecology*, **2021**, 1	4.4	2
55	Arsenic and antimony co-contamination influences on soil microbial community composition and functions: Relevance to arsenic resistance and carbon, nitrogen, and sulfur cycling. *Environment International*, **2021**, 153, 106522	12.9	21
54	Diversity and Metabolic Potentials of As(III)-Oxidizing Bacteria in Activated Sludge. *Applied and Environmental Microbiology*, **2021**, 87, e0176921	4.8	3
53	Variation in the diazotrophic community in a vertical soil profile contaminated with antimony and arsenic. *Environmental Pollution*, **2021**, 291, 118248	9.3	5
52	Enhancement of Cr(VI) decontamination by irradiated sludge biochar in neutral conditions: Evidence of a possible role of persistent free radicals. *Separation and Purification Technology*, **2021**, 277, 119414	8.3	3
51	Simultaneous robust removal of tetracycline and tetracycline resistance genes by a novel UiO/TPU/PSF forward osmosis membrane. *Chemical Engineering Journal*, **2020**, 398, 125604	14.7	13
50	An Overlooked Entry Pathway of Microplastics into Agricultural Soils from Application of Sludge-Based Fertilizers. *Environmental Science & Technology*, **2020**, 54, 4248-4255	10.3	87
49	High contribution of hydrocarbon transformation during the removal of polycyclic aromatic hydrocarbons from soils, humin and clay by thermal treatment at 100–200 °C. *Environmental Chemistry Letters*, **2020**, 18, 923-930	13.3	7
48	Synthesizing Co3O4-BiVO4/g-C3N4 heterojunction composites for superior photocatalytic redox activity. *Separation and Purification Technology*, **2020**, 239, 116562	8.3	43
47	Comparison of aniline removal by UV/CaO and UV/HO: Degradation kinetics and mechanism. *Chemosphere*, **2020**, 255, 126983	8.4	16
46	Multigenerational effects of perfluorooctanoic acid on lipid metabolism of Caenorhabditis elegans and its potential mechanism. *Science of the Total Environment*, **2020**, 703, 134762	10.2	12
45	Enhanced degradation of cephalosporin antibiotics by matrix components during thermally activated persulfate oxidation process. *Chemical Engineering Journal*, **2020**, 384, 123332	14.7	16
44	Enhanced visible-light-induced photocatalytic disinfection of Escherichia coli by ternary Bi2WO6/TiO2/reduced graphene oxide composite materials: Insight into the underlying mechanism. *Advanced Powder Technology*, **2020**, 31, 128-138	4.6	24
43	Fabrication of BiVO4/BiPO4/GO composite photocatalytic material for the visible light-driven degradation. *Journal of Cleaner Production*, **2020**, 247, 119108	10.3	89
42	Rapid oxidation of histamine H-receptor antagonists by peroxymonosulfate during water treatment: Kinetics, products, and toxicity evaluation. *Water Research*, **2020**, 185, 116278	12.5	10
41	V Reduction by spp. in Vanadium Mine Tailings. *Environmental Science & Technology*, **2020**, 54, 14442–14454	10.3	15
40	Enhancing rejection performance of tetracycline resistance genes by a TiO2/AgNPs-modified nanofiber forward osmosis membrane. *Chemical Engineering Journal*, **2020**, 382, 123052	14.7	19
39	Construction of a novel BON-Br-AgBr heterojunction photocatalysts as a direct Z-scheme system for efficient visible photocatalytic activity. *Applied Surface Science*, **2019**, 497, 143820	6.7	35

38	Recyclable and highly efficient photocatalytic fabric of Fe(III)@BiVO4/cotton via thiol-ene click reaction with visible-light response in water. *Advanced Powder Technology*, **2019**, 30, 3182-3192	4.6	20
37	Critical review of ARGs reduction behavior in various sludge and sewage treatment processes in wastewater treatment plants. *Critical Reviews in Environmental Science and Technology*, **2019**, 49, 1623-1674	11.1	33
36	Characterization of iron-metabolizing communities in soils contaminated by acid mine drainage from an abandoned coal mine in Southwest China. *Environmental Science and Pollution Research*, **2019**, 26, 9585-9598	5.1	17
35	Simultaneous removal of aniline, antimony and chromium by ZVI coupled with HO: Implication for textile wastewater treatment. *Journal of Hazardous Materials*, **2019**, 368, 840-848	12.8	65
34	Formation and Evolution of Solvent-Extracted and Nonextractable Environmentally Persistent Free Radicals in Fly Ash of Municipal Solid Waste Incinerators. *Environmental Science & Technology*, **2019**, 53, 10120-10130	10.3	20
33	Multiple heterojunction system of Bi2MoO6/WO3/Ag3PO4 with enhanced visible-light photocatalytic performance towards dye degradation. *Advanced Powder Technology*, **2019**, 30, 1910-1919	4.6	22
32	The controllable synthesis of novel heterojunction CoO/BiVO4 composite catalysts for enhancing visible-light photocatalytic property. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 578, 123608	5.1	20
31	Mechanisms for light-driven evolution of environmentally persistent free radicals and photolytic degradation of PAHs on Fe(III)-montmorillonite surface. *Journal of Hazardous Materials*, **2019**, 362, 92-98	12.8	32
30	Comparison of chemical composition and airborne bacterial community structure in PM during haze and non-haze days in the winter in Guilin, China. *Science of the Total Environment*, **2019**, 655, 202-210	10.2	38
29	Solvent-free in situ synthesis of flexible BiVO 4 /Bi 2 WO 6 : MWCNT, PET composites with superior mineralization potential for photocatalytic degradation of organic pollutants. *Materials Letters*, **2018**, 220, 94-98	3.3	10
28	Construction of fiber-based BiVO4/SiO2/reduced graphene oxide (RGO) with efficient visible light photocatalytic activity. *Cellulose*, **2018**, 25, 1089-1101	5.5	34
27	Oxidation of cefalexin by thermally activated persulfate: Kinetics, products, and antibacterial activity change. *Journal of Hazardous Materials*, **2018**, 354, 153-160	12.8	42
26	Fabrication of multiple hierarchical heterojunction Ag@AgBr/BiPO4/r-GO with enhanced visible-light-driven photocatalytic activities towards dye degradation. *Applied Surface Science*, **2018**, 445, 39-49	6.7	43
25	A Combination of Stable Isotope Probing, Illumina Sequencing, and Co-occurrence Network to Investigate Thermophilic Acetate- and Lactate-Utilizing Bacteria. *Microbial Ecology*, **2018**, 75, 113-122	4.4	24
24	Factors controlling the formation of persistent free radicals in hydrochar during hydrothermal conversion of rice straw. *Environmental Chemistry Letters*, **2018**, 16, 1463-1468	13.3	30
23	Impacts of Pantoea agglomerans strain and cation-modified clay minerals on the adsorption and biodegradation of phenanthrene. *Ecotoxicology and Environmental Safety*, **2018**, 161, 237-244	7	14
22	Efficient bioconversion of organic wastes to high optical activity of l-lactic acid stimulated by cathode in mixed microbial consortium. *Water Research*, **2018**, 131, 1-10	12.5	21
21	Oxidation of Cefalexin by Permanganate: Reaction Kinetics, Mechanism, and Residual Antibacterial Activity. *Molecules*, **2018**, 23,	4.8	3

20	Facile synthesis and characterization of Bi2MoO6/Ag3PO4/RGO composites with enhanced visible-light-driven photocatalytic activity. *Materials Letters*, **2018**, 227, 296-300	3.3	16
19	Facile formation of flexible Ag/AgCl/polydopamine/cotton fabric composite photocatalysts as an efficient visible-light photocatalysts. *Applied Surface Science*, **2018**, 454, 101-111	6.7	55
18	Long-term impact of a tetracycline concentration gradient on the bacterial resistance in anaerobic-aerobic sequential bioreactors. *Chemosphere*, **2018**, 205, 308-316	8.4	28
17	Characterization of extracellular polymeric substances in biofilms under long-term exposure to ciprofloxacin antibiotic using fluorescence excitation-emission matrix and parallel factor analysis. *Environmental Science and Pollution Research*, **2017**, 24, 13536-13545	5.1	28
16	The role of zero valent iron on the fate of tetracycline resistance genes and class 1 integrons during thermophilic anaerobic co-digestion of waste sludge and kitchen waste. *Water Research*, **2017**, 111, 92-99	12.5	52
15	Correlating microbial community compositions with environmental factors in activated sludge from four full-scale municipal wastewater treatment plants in Shanghai, China. *Applied Microbiology and Biotechnology*, **2016**, 100, 4663-73	5.7	94
14	Preparation and characterization of hydrochar from waste eucalyptus bark by hydrothermal carbonization. *Energy*, **2016**, 97, 238-245	7.9	159
13	Preparation of BiVO4/Bi2WO6/multi-walled carbon nanotube nanocomposites for enchaning photocatalytic performance. *Materials Letters*, **2016**, 185, 507-510	3.3	22
12	From mesophilic to thermophilic digestion: the transitions of anaerobic bacterial, archaeal, and fungal community structures in sludge and manure samples. *Applied Microbiology and Biotechnology*, **2015**, 99, 10271-82	5.7	28
11	Isolation and Characterization of an Erythromycin-Degrading Strain and Application for Bioaugmentation in a Biological Aerated Filter. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	3
10	Microbial communities inhabiting oil-contaminated soils from two major oilfields in Northern China: Implications for active petroleum-degrading capacity. *Journal of Microbiology*, **2015**, 53, 371-8	3	27
9	Degradation of p-Nitrophenol in Soil by Dielectric Barrier Discharge Plasma. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	9
8	Impacts of coexisting antibiotics, antibacterial residues, and heavy metals on the occurrence of erythromycin resistance genes in urban wastewater. *Applied Microbiology and Biotechnology*, **2015**, 99, 3971-80	5.7	79
7	Influence of Cosubstrates on Iopromide Degradation by Pseudomonas sp. I-24. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	6
6	Feather Keratin Deposits as Biosorbent for the Removal of Methylene Blue from Aqueous Solution: Equilibrium, Kinetics, and Thermodynamics Studies. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	14
5	Biosorption of Chromium(VI) Ions by Deposits Produced from Chicken Feathers after Soluble Keratin Extraction. *Clean - Soil, Air, Water*, **2014**, 42, 1558-1566	1.6	15
4	Preparation and characterization of sponge film made from feathers. *Materials Science and Engineering C*, **2013**, 33, 4732-8	8.3	11
3	Correlation of tetracycline and sulfonamide antibiotics with corresponding resistance genes and resistant bacteria in a conventional municipal wastewater treatment plant. *Science of the Total Environment*, **2012**, 421-422, 173-83	10.2	425

2	Occurrence of pharmaceuticals in a municipal wastewater treatment plant: mass balance and removal processes. *Chemosphere*, **2012**, 88, 17-24	8.4	202
1	Preparation and characterization of activated carbon produced from rice straw by (NH4)2HPO4 activation. *Bioresource Technology*, **2011**, 102, 3645-8	11	91