

# Chang-Sheng Guo

## List of Publications by Year in descending order

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99  
papers

7,391  
citations

53751

45  
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54882

84  
g-index

102  
all docs

102  
docs citations

102  
times ranked

8017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organophosphate esters in sediment from Taihu Lake, China: Bridging the gap between riverine sources and lake sinks. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, 1.	3.3	8
2	Stereoselective profiling of methamphetamine in a full-scale wastewater treatment plant and its biotransformation in the activated sludge batch experiments. <i>Water Research</i> , 2022, 209, 117908.	5.3	1
3	Activation of peroxydisulfate by magnetically separable rGO/MnFe <sub>2</sub> O <sub>4</sub> toward oxidation of tetracycline: Efficiency, mechanism and degradation pathways. <i>Separation and Purification Technology</i> , 2022, 282, 120137.	3.9	45
4	Spatial distribution, receptor modelling and risk assessment of organophosphate esters in surface water from the largest freshwater lake in China. <i>Ecotoxicology and Environmental Safety</i> , 2022, 238, 113618.	2.9	6
5	Persulfate-based advanced oxidation processes: The new hope brought by nanocatalyst immobilization. , 2022, 1, 67-91.		13
6	Efficient removal of levofloxacin from different water matrices via simultaneous adsorption and photocatalysis using a magnetic Ag <sub>3</sub> PO <sub>4</sub> /rGO/CoFe <sub>2</sub> O <sub>4</sub> catalyst. <i>Chemosphere</i> , 2021, 268, 128834.	4.2	67
7	Silicate glass matrix@Cu <sub>2</sub> O/Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> p-n heterojunction for enhanced visible light photo-degradation of sulfamethoxazole: High charge separation and interfacial transfer. <i>Journal of Hazardous Materials</i> , 2021, 402, 123790.	6.5	95
8	Construction of dual Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> heterojunction for visible and solar powered coupled photocatalytic antibiotic degradation and hydrogen production: Boosting via $\text{I}^{\cdot-}/\text{I}^{\cdot+}$ and Bi <sup>3+</sup> /Bi <sup>5+</sup> redox mediators. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119808.	10.8	252
9	Spatial distribution, historical trend, and ecological risk assessment of phthalate esters in sediment from Taihu Lake, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 25207-25217.	2.7	13
10	Distribution, source apportionment, and health risk assessment of phthalate esters in indoor dust samples across China. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	32
11	Simultaneous enantioselective analysis of illicit drugs in wastewater and surface water by chiral LC-MS/MS: A pilot study on a wastewater treatment plant and its receiving river. <i>Environmental Pollution</i> , 2021, 273, 116424.	3.7	18
12	Occurrence, bioaccumulation and toxicological effect of drugs of abuse in aquatic ecosystem: A review. <i>Environmental Research</i> , 2021, 200, 111362.	3.7	22
13	Tissue-specific accumulation, elimination, and toxicokinetics of illicit drugs in adult zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Over	3.9	13
14	Acceleration of photo-reduction and oxidation capabilities of Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> /SPION@calcium alginate by metallic Ag: Wide spectral removal of nitrate and azithromycin. <i>Chemical Engineering Journal</i> , 2021, 423, 130173.	6.6	41
15	Degradation of Ketamine and Methamphetamine by the UV/H <sub>2</sub> O <sub>2</sub> System: Kinetics, Mechanisms and Comparison. <i>Water (Switzerland)</i> , 2020, 12, 2999.	1.2	5
16	Aqueous chlorination of ephedrine: Kinetic, reaction mechanism and toxicity assessment. <i>Science of the Total Environment</i> , 2020, 740, 140146.	3.9	10
17	One-pot synthesis of magnetic CuO/Fe <sub>2</sub> O <sub>3</sub> /CuFe <sub>2</sub> O <sub>4</sub> nanocomposite to activate persulfate for levofloxacin removal: Investigation of efficiency, mechanism and degradation route. <i>Chemical Engineering Journal</i> , 2020, 389, 124456.	6.6	143
18	A novel Z-scheme AgBr/P-g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalyst: Excellent photocatalytic performance and photocatalytic mechanism for ephedrine degradation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118614.	10.8	183

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19	Occurrence and removal of illicit drugs in different wastewater treatment plants with different treatment techniques. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	30
20	Kinetic and mechanistic study of sulfadimidine photodegradation under simulated sunlight irradiation. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	13
21	Occurrence and Risk Assessment of Antibiotics in Manure, Soil, Wastewater, Groundwater from Livestock and Poultry Farms in Xuzhou, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 590-596.	1.3	46
22	Development and application of the analytical method for illicit drugs and metabolites in fish tissues. <i>Chemosphere</i> , 2019, 233, 532-541.	4.2	20
23	Removal of methamphetamine by UV-activated persulfate: Kinetics and mechanisms. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 379, 32-38.	2.0	25
24	Occurrence, distribution and risk assessment of abused drugs and their metabolites in a typical urban river in north China. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	21
25	Tetracycline degradation by persulfate activated with magnetic Cu/CuFe <sub>2</sub> O <sub>4</sub> composite: Efficiency, stability, mechanism and degradation pathway. <i>Journal of Hazardous Materials</i> , 2019, 373, 85-96.	6.5	280
26	Kinetic and mechanistic investigation on the decomposition of ketamine by UV-254nm activated persulfate. <i>Chemical Engineering Journal</i> , 2019, 370, 19-26.	6.6	50
27	Nanocomposites of Ag <sub>3</sub> PO <sub>4</sub> and Phosphorus-Doped Graphitic Carbon Nitride for Ketamine Removal. <i>ACS Applied Nano Materials</i> , 2019, 2, 2817-2829.	2.4	29
28	Biomimetic Accumulation of Methamphetamine and Its Metabolite Amphetamine by Diffusive Gradients in Thin Films to Estimate Their Bioavailability in Zebrafish. <i>Environmental Science and Technology Letters</i> , 2019, 6, 708-713.	3.9	15
29	In-situ fabrication of Ag/P-g-C <sub>3</sub> N <sub>4</sub> composites with enhanced photocatalytic activity for sulfamethoxazole degradation. <i>Journal of Hazardous Materials</i> , 2019, 366, 219-228.	6.5	104
30	Partitioning behavior, source identification, and risk assessment of perfluorinated compounds in an industry-influenced river. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	16
31	Biochar-templated g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> nano-assembly for visible and solar assisted photo-degradation of paraquat, nitrophenol reduction and CO <sub>2</sub> conversion. <i>Chemical Engineering Journal</i> , 2018, 339, 393-410.	6.6	241
32	Predicting trace metal bioavailability to chironomids in sediments by diffusive gradients in thin films. <i>Science of the Total Environment</i> , 2018, 636, 134-141.	3.9	23
33	A new method to quantify the health risks from sources of perfluoroalkyl substances, combined with positive matrix factorization and risk assessment models. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 107-115.	2.2	7
34	Development and application of the diffusive gradients in thin films technique for simultaneous measurement of methcathinone and ephedrine in surface river water. <i>Science of the Total Environment</i> , 2018, 618, 284-290.	3.9	43
35	High-Performance Photocatalytic Hydrogen Production and Degradation of Levofloxacin by Wide Spectrum-Responsive Ag/Fe <sub>3</sub> O <sub>4</sub> Bridged SrTiO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> Plasmonic Nanojunctions: Joint Effect of Ag and Fe <sub>3</sub> O <sub>4</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40474-40490.	4.0	140
36	Dynamic transport of antibiotics and antibiotic resistance genes under different treatment processes in a typical pharmaceutical wastewater treatment plant. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30191-30198.	2.7	27

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37	Template-free synthesis of bubble-like phosphorus-doped carbon nitride with enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 769, 503-511.	2.8	32
38	Spatiotemporal profile of tetracycline and sulfonamide and their resistance on a catchment scale. <i>Environmental Pollution</i> , 2018, 241, 1098-1105.	3.7	26
39	Facile hetero-assembly of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> /BiVO <sub>4</sub> stacked on biochar for solar photo-degradation of methyl paraben and pesticide removal from soil. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 337, 118-131.	2.0	158
40	Photocatalytic removal of tetrabromobisphenol A by magnetically separable flower-like BiOBr/BiOI/Fe <sub>3</sub> O <sub>4</sub> hybrid nanocomposites under visible-light irradiation. <i>Journal of Hazardous Materials</i> , 2017, 331, 1-12.	6.5	147
41	Assessing the photocatalytic transformation of norfloxacin by BiOBr/iron oxides hybrid photocatalyst: Kinetics, intermediates, and influencing factors. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 68-77.	10.8	145
42	Investigation and Application of a New Passive Sampling Technique for in Situ Monitoring of Illicit Drugs in Waste Waters and Rivers. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9101-9108.	4.6	68
43	H <sub>2</sub> O <sub>2</sub> and/or TiO <sub>2</sub> photocatalysis under UV irradiation for the removal of antibiotic resistant bacteria and their antibiotic resistance genes. <i>Journal of Hazardous Materials</i> , 2017, 323, 710-718.	6.5	134
44	Drugs of abuse and their metabolites in the urban rivers of Beijing, China: Occurrence, distribution, and potential environmental risk. <i>Science of the Total Environment</i> , 2017, 579, 305-313.	3.9	58
45	A novel 3D hollow magnetic Fe <sub>3</sub> O <sub>4</sub> /BiOI heterojunction with enhanced photocatalytic performance for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2017, 307, 1055-1065.	6.6	135
46	Occurrence and distribution of antibiotics, antibiotic resistance genes in the urban rivers in Beijing, China. <i>Environmental Pollution</i> , 2016, 213, 833-840.	3.7	226
47	Bioassay-directed identification of toxicants in sediments of Liaohe River, northeast China. <i>Environmental Pollution</i> , 2016, 219, 663-671.	3.7	12
48	Magnetically recoverable ZrO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> /chitosan nanomaterials for enhanced sunlight driven photoreduction of carcinogenic Cr(VI) and dechlorination & mineralization of 4-chlorophenol from simulated waste water. <i>RSC Advances</i> , 2016, 6, 13251-13263.	1.7	115
49	Spatial distribution and potential toxicity of polycyclic aromatic hydrocarbons in sediments from Liaohe River Basin, China. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 193.	1.3	19
50	Sediment PAH source apportionment in the Liaohe River using the ME2 approach: A comparison to the PMF model. <i>Science of the Total Environment</i> , 2016, 553, 164-171.	3.9	37
51	Spatial distribution and toxicity assessment of heavy metals in sediments of Liaohe River, northeast China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14960-14970.	2.7	14
52	Synthesis and characterization of magnetically recyclable Ag nanoparticles immobilized on Fe <sub>3</sub> O <sub>4</sub> @C nanospheres with catalytic activity. <i>Applied Surface Science</i> , 2015, 335, 23-28.	3.1	39
53	Polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in sediments of Liaohe River: levels, spatial and temporal distribution, possible sources, and inventory. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4256-4264.	2.7	41
54	Distribution, source characterization and inventory of perfluoroalkyl substances in Taihu Lake, China. <i>Chemosphere</i> , 2015, 127, 201-207.	4.2	58

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55	Occurrence of antibiotics and antibiotic resistance genes in a sewage treatment plant and its effluent-receiving river. <i>Chemosphere</i> , 2015, 119, 1379-1385.	4.2	524
56	Source contributions and spatiotemporal characteristics of PAHs in sediments: Using three-way source apportionment approach. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1747-1753.	2.2	12
57	Photodegradation of sulfapyridine under simulated sunlight irradiation: Kinetics, mechanism and toxicity evolution. <i>Chemosphere</i> , 2014, 99, 186-191.	4.2	65
58	Historical trends of concentrations, source contributions and toxicities for PAHs in dated sediment cores from five lakes in western China. <i>Science of the Total Environment</i> , 2014, 470-471, 519-526.	3.9	61
59	Spatial and temporal distribution of polycyclic aromatic hydrocarbons (PAHs) in surface water from Liaohe River Basin, northeast China. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7088-7096.	2.7	58
60	Bioaccumulation and trophic transfer of perfluorinated compounds in a eutrophic freshwater food web. <i>Environmental Pollution</i> , 2014, 184, 254-261.	3.7	113
61	Simultaneous quantification of several classes of antibiotics in water, sediments, and fish muscles by liquid chromatography-tandem mass spectrometry. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 357-371.	3.3	43
62	Occurrence, Distribution, Environmental Risk Assessment and Source Apportionment of Polycyclic Aromatic Hydrocarbons (PAHs) in Water and Sediments of the Liaohe River Basin, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 744-751.	1.3	45
63	Occurrence, distribution and bioaccumulation of antibiotics in the Liao River Basin in China. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 586.	1.7	90
64	Distribution, sources and composition of antibiotics in sediment, overlying water and pore water from Taihu Lake, China. <i>Science of the Total Environment</i> , 2014, 497-498, 267-273.	3.9	234
65	Novel magnetically recoverable BiOBr/iron oxides heterojunction with enhanced visible light-driven photocatalytic activity. <i>Applied Surface Science</i> , 2014, 320, 383-390.	3.1	56
66	Distribution and ecological risk of antibiotics in a typical effluent-receiving river (Wangyang River) in north China. <i>Chemosphere</i> , 2014, 112, 267-274.	4.2	200
67	Removal of benzotriazole from solution by BiOBr photocatalysis under simulated solar irradiation. <i>Chemical Engineering Journal</i> , 2013, 221, 230-237.	6.6	95
68	Degradation of sulfonamides antibiotics in lake water and sediment. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2372-2380.	2.7	79
69	Removal of sulfadiazine from aqueous solution on kaolinite. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 836-843.	3.3	10
70	Adsorption of sulfonamides on lake sediments. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 518-525.	3.3	12
71	Photocatalytic degradation of carbamazepine by tailored BiPO <sub>4</sub> : efficiency, intermediates and pathway. <i>Applied Catalysis B: Environmental</i> , 2013, 130-131, 285-292.	10.8	129
72	Source apportionment of perfluorinated compounds (PFCs) in sediments: Using three multivariate factor analysis receptor models. <i>Journal of Hazardous Materials</i> , 2013, 260, 483-488.	6.5	31

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73	New type of $[\text{Bi}_6\text{O}_6(\text{OH})_3](\text{NO}_3)_3 \cdot 1.5\text{H}_2\text{O}$ sheets photocatalyst with high photocatalytic activity on degradation of phenol. <i>Chemosphere</i> , 2013, 93, 701-707.	4.2	23
74	Photodegradation of sulfamethazine in an aqueous solution by a bismuth molybdate photocatalyst. <i>Catalysis Science and Technology</i> , 2013, 3, 1603.	2.1	85
75	Removal of rhodamine B from aqueous solution by $\text{BiPO}_4$ hierarchical architecture. <i>Frontiers of Environmental Science and Engineering</i> , 2013, 7, 382-387.	3.3	12
76	Levels and distribution of tetrabromobisphenol A and hexabromocyclododecane in Taihu Lake, China. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2249-2255.	2.2	60
77	Oxidative transformation of carbamazepine by manganese oxides. <i>Environmental Science and Pollution Research</i> , 2012, 19, 4206-4213.	2.7	26
78	Simultaneous extraction and determination of fluoroquinolones, tetracyclines and sulfonamides antibiotics in soils using optimised solid phase extraction chromatography-tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 698-713.	1.8	33
79	Source and risk assessment of PCBs in sediments of Fenhe reservoir and watershed, China. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1256.	2.1	17
80	Hierarchical mesoporous $\text{TiO}_2$ microspheres for the enhanced photocatalytic oxidation of sulfonamides and their mechanism. <i>RSC Advances</i> , 2012, 2, 4720.	1.7	32
81	Potential source contributions and risk assessment of PAHs in sediments from Taihu Lake, China: Comparison of three receptor models. <i>Water Research</i> , 2012, 46, 3065-3073.	5.3	242
82	Concentrations and sources of PAHs in surface sediments of the Fenhe reservoir and watershed, China. <i>Ecotoxicology and Environmental Safety</i> , 2012, 75, 198-206.	2.9	86
83	Facile synthesis and photocatalytic application of hierarchical mesoporous $\text{Bi}_2\text{MoO}_6$ nanosheet-based microspheres. <i>CrystEngComm</i> , 2012, 14, 3602.	1.3	94
84	Distribution and Sources of Organochlorine Pesticides in Taihu Lake, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 1235-1239.	1.3	23
85	Seasonal variations of concentrations, profiles and possible sources of polycyclic aromatic hydrocarbons in sediments from Taihu Lake, China. <i>Journal of Soils and Sediments</i> , 2012, 12, 933-941.	1.5	18
86	Sediment pore water partition of PAH source contributions to the Yellow River using two receptor models. <i>Journal of Soils and Sediments</i> , 2012, 12, 1154-1163.	1.5	30
87	Determination and partitioning behavior of perfluoroalkyl carboxylic acids and perfluorooctanesulfonate in water and sediment from Dianchi Lake, China. <i>Chemosphere</i> , 2012, 88, 1292-1299.	4.2	77
88	Photodegradation of four fluoroquinolone compounds by titanium dioxide under simulated solar light irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 643-650.	1.6	57
89	Photocatalytic degradation of tetrabromobisphenol A by mesoporous $\text{BiOBr}$ : Efficacy, products and pathway. <i>Applied Catalysis B: Environmental</i> , 2011, 107, 355-362.	10.8	270
90	Photodegradation of rhodamine B and methyl orange over one-dimensional $\text{TiO}_2$ catalysts under simulated solar irradiation. <i>Applied Surface Science</i> , 2011, 257, 3798-3803.	3.1	104

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91	Simultaneous Analysis of Multiple Classes of Antibiotics in Water and Soil Samples via Solid Phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, .	0.0	0
92	Directed Synthesis of Mesoporous TiO <sub>2</sub> Microspheres: Catalysts and Their Photocatalysis for Bisphenol A Degradation. Environmental Science & Technology, 2010, 44, 419-425.	4.6	280
93	Improved Catalytic Capability of Mesoporous TiO <sub>2</sub> Microspheres and Photodecomposition of Toluene. ACS Applied Materials & Interfaces, 2010, 2, 3134-3140.	4.0	82
94	Synthesis of CuInS <sub>2</sub> Microspheres using In <sub>2</sub> S <sub>3</sub> Microspheres as Templates. Australian Journal of Chemistry, 2009, 62, 1690.	0.5	4
95	Photocatalytic degradation of methyl orange using ZnO/TiO <sub>2</sub> composites. Frontiers of Environmental Science and Engineering in China, 2009, 3, 271-280.	0.8	72
96	Controlled synthesis of ZnO with adjustable morphologies from nanosheets to microspheres. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 348, 124-129.	2.3	22
97	Preparation of CeO <sub>2</sub> novel sponge-like rods by emulsion liquid membrane system and its catalytic oxidation property. Materials Letters, 2009, 63, 1269-1271.	1.3	17
98	Occurrence and behavior of four of the most used sunscreen UV filters in a wastewater reclamation plant. Water Research, 2007, 41, 3506-3512.	5.3	206
99	Synthesis of Bi <sub>2</sub> MoO <sub>6</sub> Spheres and their Photocatalytic Activities for Degradation of Rhodamine B. Advanced Materials Research, 0, 476-478, 988-993.	0.3	1