

# Chensi Shen

## List of Publications by Year in descending order

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69  
papers

3,456  
citations

126708

33  
h-index

138251

58  
g-index

69  
all docs

69  
docs citations

69  
times ranked

3431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotube filter functionalized with MIL-101(Fe) for enhanced flow-through electro-Fenton. <i>Environmental Research</i> , 2022, 204, 112117.	3.7	24
2	The strong promoting effects of thin layer Al <sub>2</sub> O <sub>3</sub> on Fe Cu Fenton-like components: Enhanced electron transfer. <i>Science of the Total Environment</i> , 2022, 821, 153151.	3.9	1
3	Effect of trace elements in the toxicity of copper to <i>Chlamydomonas reinhardtii</i> . <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 576-585.	1.7	2
4	Spatio-vertical distribution of riverine microplastics: Impact of the textile industry. <i>Environmental Research</i> , 2022, 211, 112789.	3.7	16
5	A sandwich model of Cr(VI) adsorption and detoxification by Fenton modified chitosan. <i>Water Environment Research</i> , 2021, 93, 645-651.	1.3	3
6	Sea urchin-like FeOOH functionalized electrochemical CNT filter for one-step arsenite decontamination. <i>Journal of Hazardous Materials</i> , 2021, 407, 124384.	6.5	26
7	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4045-4053.	4.6	192
8	Metals pollution from textile production wastewater in Chinese southeastern coastal area: occurrence, source identification, and associated risk assessment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 38689-38697.	2.7	7
9	A novel electrocatalytic filtration system with carbon nanotube supported nanoscale zerovalent copper toward ultrafast oxidation of organic pollutants. <i>Water Research</i> , 2021, 194, 116961.	5.3	123
10	Simultaneous decontamination of arsenite and antimonite using an electrochemical CNT filter functionalized with nanoscale goethite. <i>Chemosphere</i> , 2021, 274, 129790.	4.2	15
11	Extremely efficient electro-Fenton-like Sb(III) detoxification using nanoscale Ti-Ce binary oxide: An effective design to boost catalytic activity via non-radical pathway. <i>Chinese Chemical Letters</i> , 2021, 32, 2519-2523.	4.8	34
12	Defect-Rich Hierarchical Porous UiO-66(Zr) for Tunable Phosphate Removal. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13209-13218.	4.6	27
13	Selective adsorption and fluorescence sensing of tetracycline by Zn-mediated chitosan non-woven fabric. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 418-429.	5.0	16
14	Carbon nanotube filter functionalized with iron oxychloride for flow-through electro-Fenton. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118204.	10.8	117
15	Spherical Cu <sub>2</sub> O-Fe <sub>3</sub> O <sub>4</sub> @chitosan bifunctional catalyst for coupled Cr-organic complex oxidation and Cr(VI) capture-reduction. <i>Chemical Engineering Journal</i> , 2020, 383, 123105.	6.6	43
16	Ultra-rapid detoxification of Sb(III) using a flow-through electro-fenton system. <i>Chemosphere</i> , 2020, 245, 125604.	4.2	21
17	One-step phosphite removal by an electroactive CNT filter functionalized with TiO <sub>2</sub> /CeOx nanocomposites. <i>Science of the Total Environment</i> , 2020, 710, 135514.	3.9	17
18	Application of Fenton pre-oxidation, Ca-induced coagulation, and sludge reclamation for enhanced treatment of ultra-high concentration poly(vinyl alcohol) wastewater. <i>Journal of Hazardous Materials</i> , 2020, 389, 121866.	6.5	14

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19	One-step Sb(III) decontamination using a bifunctional photoelectrochemical filter. <i>Journal of Hazardous Materials</i> , 2020, 389, 121840.	6.5	37
20	Rapid decontamination of tetracycline hydrolysis product using electrochemical CNT filter: Mechanism, impacting factors and pathways. <i>Chemosphere</i> , 2020, 244, 125525.	4.2	40
21	Construction of titanium dioxide/cadmium sulfide heterojunction on carbon fibers as weavable photocatalyst for eliminating various contaminants. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 307-317.	5.0	39
22	An Affordable Carbon Nanotube Filter Functionalized with Nanoscale Zerovalent Iron for One-Step Sb(III) Decontamination. <i>Environmental Engineering Science</i> , 2020, 37, 490-496.	0.8	1
23	Are we underestimating the sources of microplastic pollution in terrestrial environment?. <i>Journal of Hazardous Materials</i> , 2020, 400, 123228.	6.5	260
24	A ClO <sup>-</sup> -mediated photoelectrochemical filtration system for highly-efficient and complete ammonia conversion. <i>Journal of Hazardous Materials</i> , 2020, 400, 123246.	6.5	51
25	Mitigation of Membrane Fouling Using an Electroactive Polyether Sulfone Membrane. <i>Membranes</i> , 2020, 10, 21.	1.4	10
26	Disturbance of chiral ionic liquids to phototaxis of <i>Chlamydomonas reinhardtii</i> : regular analysis and mechanism attempt. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15011-15019.	2.7	5
27	Bioavailability and translocation of metal oxide nanoparticles in the soil-rice plant system. <i>Science of the Total Environment</i> , 2020, 713, 136662.	3.9	64
28	Ultra-fast detoxification of Sb(III) using a flow-through TiO <sub>2</sub> -nanotubes-array-mesh based photoelectrochemical system. <i>Chemical Engineering Journal</i> , 2020, 387, 124155.	6.6	25
29	Recent advances on electroactive CNT-based membranes for environmental applications: The perfect match of electrochemistry and membrane separation. <i>Chinese Chemical Letters</i> , 2020, 31, 2539-2548.	4.8	103
30	Supported Atomically-Precise Gold Nanoclusters for Enhanced Flow-through Electro-Fenton. <i>Environmental Science &amp; Technology</i> , 2020, 54, 5913-5921.	4.6	113
31	The enhanced degradation and detoxification of chlortetracycline by <i>Chlamydomonas reinhardtii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110552.	2.9	20
32	Nanoscale iron (oxyhydr)oxide-modified carbon nanotube filter for rapid and effective Sb(III) removal. <i>RSC Advances</i> , 2019, 9, 18196-18204.	1.7	13
33	Boosting Cr(VI) detoxification and sequestration efficiency with carbon nanotube electrochemical filter functionalized with nanoscale polyaniline: Performance and mechanism. <i>Science of the Total Environment</i> , 2019, 695, 133926.	3.9	32
34	Stable cuprous active sites in Cu <sup>+</sup> -graphitic carbon nitride: Structure analysis and performance in Fenton-like reactions. <i>Journal of Hazardous Materials</i> , 2019, 378, 120782.	6.5	57
35	A crosslinking-induced precipitation process for the simultaneous removal of poly(vinyl alcohol) and reactive dye: The importance of covalent bond forming and magnesium coagulation. <i>Chemical Engineering Journal</i> , 2019, 374, 904-913.	6.6	68
36	Simultaneous oxidation and sorption of highly toxic Sb(III) using a dual-functional electroactive filter. <i>Environmental Pollution</i> , 2019, 251, 72-80.	3.7	38

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37	A chloride-radical-mediated electrochemical filtration system for rapid and effective transformation of ammonia to nitrogen. <i>Chemosphere</i> , 2019, 229, 383-391.	4.2	55
38	Recent advances on photocatalytic fuel cell for environmental applicationsâ€”The marriage of photocatalysis and fuel cells. <i>Science of the Total Environment</i> , 2019, 668, 966-978.	3.9	144
39	A Dual-Functional Electroactive Filter Towards Simultaneously Sb(III) Oxidation and Sequestration. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	0
40	CFD simulations of fiber-fiber interaction in a hollow fiber membrane bundle: Fiber distance and position matters. <i>Separation and Purification Technology</i> , 2019, 209, 707-713.	3.9	25
41	Dichlorprop induced structural changes of LHCâ€¦; chiral macroaggregates associated with enantioselective toxicity to <i>Snedesmus obliquus</i> . <i>Aquatic Toxicology</i> , 2019, 206, 54-60.	1.9	4
42	Electroactive Modified Carbon Nanotube Filter for Simultaneous Detoxification and Sequestration of Sb(III). <i>Environmental Science &amp; Technology</i> , 2019, 53, 1527-1535.	4.6	111
43	Fe-N-Graphene Wrapped Al <sub>2</sub> O <sub>3</sub> /Pentlandite from Microalgae: High Fenton Catalytic Efficiency from Enhanced Fe <sup>3+</sup> Reduction. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3608-3614.	4.6	64
44	Preparation and properties of chitosanâ€”metal complex: Some factors influencing the adsorption capacity for dyes in aqueous solution. <i>Journal of Environmental Sciences</i> , 2018, 66, 301-309.	3.2	48
45	Rational Design of High-Performance Continuous-Flow Microreactors Based on Gold Nanoclusters and Graphene for Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15425-15433.	3.2	24
46	Activation of peroxymonosulfate by Fe-N complexes embedded within SBA-15 for removal of organic contaminants via production of singlet oxygen. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34190-34199.	2.7	6
47	Recent advances in anaerobic biological processes for textile printing and dyeing wastewater treatment: a mini-review. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 165.	1.7	85
48	Iron Plaque: A Barrier Layer to the Uptake and Translocation of Copper Oxide Nanoparticles by Rice Plants. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12244-12254.	4.6	74
49	Ligand-Free Nano-Au Catalysts on Nitrogen-Doped Graphene Filter for Continuous Flow Catalysis. <i>Nanomaterials</i> , 2018, 8, 688.	1.9	5
50	Treatment of industrial dyeing wastewater with a pilot-scale strengthened circulation anaerobic reactor. <i>Bioresource Technology</i> , 2018, 264, 154-162.	4.8	63
51	Tuning the adsorption behaviour of Î² <sup>2</sup> -structure chitosan by metal binding. <i>Environmental Chemistry</i> , 2018, 15, 267.	0.7	6
52	Biopolymer-induced morphology control of brushite for enhanced defluorination of drinking water. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 207-215.	5.0	15
53	Transformation of CuO Nanoparticles in the Aquatic Environment: Influence of pH, Electrolytes and Natural Organic Matter. <i>Nanomaterials</i> , 2017, 7, 326.	1.9	89
54	Al-Doped chitosan nonwoven in a novel adsorption reactor with a cylindrical sleeve for dye removal: performance and mechanism of action. <i>RSC Advances</i> , 2016, 6, 110935-110942.	1.7	7

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55	Phthalate degradation by glow discharge plasma enhanced with pyrite in aqueous solution. <i>Water Science and Technology</i> , 2016, 74, 1365-1375.	1.2	7
56	Efficient removal of fluoride from drinking water using well-dispersed monetite bundles inlaid in chitosan beads. <i>Chemical Engineering Journal</i> , 2016, 303, 391-400.	6.6	44
57	Selective conversion of organic pollutant p-chlorophenol to formic acid using zeolite Fenton catalyst. <i>Chemosphere</i> , 2016, 161, 446-453.	4.2	13
58	A pH-responsive and magnetically separable dynamic system for efficient removal of highly dilute antibiotics in water. <i>Water Research</i> , 2016, 90, 24-33.	5.3	51
59	Fabrication of MnO <sub>2</sub> heterogeneous catalysts from wet sludge for degradation of azo dyes by activated peroxydisulfate. <i>RSC Advances</i> , 2015, 5, 12248-12256.	1.7	11
60	Enhanced catalytic ability of chitosan-Cu-Fe bimetal complex for the removal of dyes in aqueous solution. <i>RSC Advances</i> , 2015, 5, 90731-90741.	1.7	58
61	Synergistic removal of dyes by <i>Myrothecium verrucaria</i> immobilization on a chitosan-Fe membrane. <i>RSC Advances</i> , 2015, 5, 68200-68208.	1.7	6
62	High-dispersive FeS <sub>2</sub> on graphene oxide for effective degradation of 4-chlorophenol. <i>RSC Advances</i> , 2015, 5, 2449-2456.	1.7	29
63	Rapid Removal of Dyes by Carbonized Sludge: Process, Effects of Environmental Factors, and Mechanism. <i>Separation Science and Technology</i> , 2014, 49, 2574-2585.	1.3	0
64	Al-doping chitosan-Fe(III) hydrogel for the removal of fluoride from aqueous solutions. <i>Chemical Engineering Journal</i> , 2014, 248, 98-106.	6.6	119
65	Highly efficient detoxification of Cr(VI) by chitosan-Fe(III) complex: Process and mechanism studies. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 689-697.	6.5	142
66	Enantioselectivity Tuning of Chiral Herbicide Dichlorprop by Copper: Roles of Reactive Oxygen Species. <i>Environmental Science &amp; Technology</i> , 2011, 45, 4778-4784.	4.6	106
67	Fast and highly efficient removal of dyes under alkaline conditions using magnetic chitosan-Fe(III) hydrogel. <i>Water Research</i> , 2011, 45, 5200-5210.	5.3	282
68	Facile, green encapsulation of cobalt tetrasulfophthalocyanine monomers in mesoporous silicas for the degradative hydrogen peroxide oxidation of azo dyes. <i>Journal of Hazardous Materials</i> , 2011, 193, 209-215.	6.5	34
69	H <sub>2</sub> O <sub>2</sub> -induced surface modification: A facile, effective and environmentally friendly pretreatment of chitosan for dyes removal. <i>Chemical Engineering Journal</i> , 2011, 166, 474-482.	6.6	55