

# Wencheng Song

## List of Publications by Year in descending order

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76  
papers

7,787  
citations

57758

44  
h-index

48315

88  
g-index

102  
all docs

102  
docs citations

102  
times ranked

5329  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Synthesis of Z-Scheme MoS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Heterojunction for Enhanced Visible-Light-Driven Photoreduction of Uranium. <i>Catalysis Letters</i> , 2022, 152, 1981-1989.	2.6	10
2	One-step method to prepare core-shell magnetic nanocomposite encapsulating silver nanoparticles with superior catalytic and antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1730-1740.	9.4	13
3	Boosting photocatalytic efficiency of MoS <sub>2</sub> /CdS by modulating morphology. <i>Environmental Science and Pollution Research</i> , 2022, 29, 73282-73291.	5.3	4
4	Cold Atmospheric Plasma Inhibits the Proliferation of CAL-62 Cells through the ROS-Mediated PI3K/Akt/mTOR Signaling Pathway. <i>Science and Technology of Nuclear Installations</i> , 2022, 2022, 1-12.	0.8	3
5	Comparative Transcriptome Analysis Providing Resistance Mechanism of <i>Aspergillus oryzae</i> Under Arsenate Stress. <i>Geomicrobiology Journal</i> , 2021, 38, 426-435.	2.0	2
6	Enhancement of U(VI) biosorption by <i>Trichoderma harzianum</i> mutant obtained by a cold atmospheric plasma jet. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 327, 1325-1333.	1.5	2
7	Bioaccumulation of uranium by <i>Candida utilis</i> : Investigated by water chemistry and biological effects. <i>Environmental Research</i> , 2021, 194, 110691.	7.5	10
8	Potential environmental applications of MXenes: A critical review. <i>Chemosphere</i> , 2021, 271, 129578.	8.2	71
9	Application of surface complexation modeling on adsorption of uranium at water-solid interface: A review. <i>Environmental Pollution</i> , 2021, 278, 116861.	7.5	32
10	Carbon materials for extraction of uranium from seawater. <i>Chemosphere</i> , 2021, 278, 130411.	8.2	71
11	The enhanced photodegradation of bisphenol A by TiO <sub>2</sub> /C <sub>3</sub> N <sub>4</sub> composites. <i>Environmental Research</i> , 2020, 182, 109090.	7.5	47
12	Recent investigations and progress in environmental remediation by using covalent organic framework-based adsorption method: A review. <i>Journal of Cleaner Production</i> , 2020, 277, 123360.	9.3	92
13	Environmental application of emerging zero-valent iron-based materials on removal of radionuclides from the wastewater: A review. <i>Environmental Research</i> , 2020, 188, 109855.	7.5	43
14	Simultaneous removal of U(VI) and Re(VII) by highly efficient functionalized ZIF-8 nanosheets adsorbent. <i>Journal of Hazardous Materials</i> , 2020, 393, 122398.	12.4	59
15	A robust prediction of U(VI) sorption on Fe <sub>3</sub> O <sub>4</sub> /activated carbon composites with surface complexation model. <i>Environmental Research</i> , 2020, 185, 109467.	7.5	46
16	Ultrafast and highly capture of U(VI) by hierarchical mesoporous carbon. <i>Radiochimica Acta</i> , 2020, 108, 717-726.	1.2	6
17	Kinetic and equilibrium of U(VI) biosorption onto the resistant bacterium <i>Bacillus amyloliquefaciens</i> . <i>Journal of Environmental Radioactivity</i> , 2019, 203, 117-124.	1.7	37
18	A spectroscopic and theoretical investigation of interaction mechanisms of tetracycline and polystyrene nanospheres under different conditions. <i>Environmental Pollution</i> , 2019, 249, 398-405.	7.5	57

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19	Thallium contamination in farmlands and common vegetables in a pyrite mining city and potential health risks. <i>Environmental Pollution</i> , 2019, 248, 906-915.	7.5	122
20	Response of microbial communities and interactions to thallium in contaminated sediments near a pyrite mining area. <i>Environmental Pollution</i> , 2019, 248, 916-928.	7.5	70
21	Modeling and EXAFS investigation of U(VI) sequestration on Fe <sub>3</sub> O <sub>4</sub> /PCMs composites. <i>Chemical Engineering Journal</i> , 2019, 369, 736-744.	12.7	50
22	Decontamination of U(VI) on graphene oxide/Al <sub>2</sub> O <sub>3</sub> composites investigated by XRD, FT-IR and XPS techniques. <i>Environmental Pollution</i> , 2019, 248, 332-338.	7.5	81
23	The influence of humic acid on U(VI) sequestration by calcium titanate. <i>Chemical Engineering Journal</i> , 2019, 368, 598-605.	12.7	27
24	Spectroscopic and theoretical investigation on efficient removal of U(VI) by amine-containing polymers. <i>Chemical Engineering Journal</i> , 2019, 367, 94-101.	12.7	21
25	Fabrication of porous carbon and application of Eu(III) removal from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2019, 280, 34-39.	4.9	10
26	One-Step Arc-Produced Amino-Functionalized Graphite-Encapsulated Magnetic Nanoparticles for the Efficient Removal of Radionuclides. <i>ACS Applied Nano Materials</i> , 2019, 2, 385-394.	5.0	15
27	Mechanistic investigation of U(VI) sequestration by zero-valent iron/activated carbon composites. <i>Chemical Engineering Journal</i> , 2019, 362, 99-106.	12.7	50
28	Effect of <i>Staphylococcus epidermidis</i> on U(VI) sequestration by Al-goethite. <i>Journal of Hazardous Materials</i> , 2019, 368, 52-62.	12.4	27
29	Bioaccumulation and transformation of U(VI) by sporangiospores of <i>Mucor circinelloides</i> . <i>Chemical Engineering Journal</i> , 2019, 362, 81-88.	12.7	44
30	Influence of carbonate on sequestration of U(VI) on perovskite. <i>Journal of Hazardous Materials</i> , 2019, 364, 100-107.	12.4	51
31	Enhanced Photocatalytic Simultaneous Removals of Cr(VI) and Bisphenol A over Co(II)-Modified TiO <sub>2</sub> . <i>Langmuir</i> , 2019, 35, 276-283.	3.5	36
32	Plasma-enhanced amidoxime/magnetic graphene oxide for efficient enrichment of U(VI) investigated by EXAFS and modeling techniques. <i>Chemical Engineering Journal</i> , 2019, 357, 66-74.	12.7	53
33	Synthesis of magnetic biochar composites for enhanced uranium(VI) adsorption. <i>Science of the Total Environment</i> , 2019, 651, 1020-1028.	8.0	220
34	Enhanced immobilization of U(VI) on <i>Mucor circinelloides</i> in presence of As(V): Batch and XAFS investigation. <i>Environmental Pollution</i> , 2018, 237, 228-236.	7.5	30
35	Impact of water chemistry on surface charge and aggregation of polystyrene microspheres suspensions. <i>Science of the Total Environment</i> , 2018, 630, 951-959.	8.0	144
36	Improved Eu(III) immobilization by <i>Cladosporium sphaerospermum</i> induced by low-temperature plasma. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 963-970.	1.5	8

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37	Low temperature plasma induced apoptosis in CNE <sup>2</sup> Z cells through endoplasmic reticulum stress and mitochondrial dysfunction pathways. <i>Plasma Processes and Polymers</i> , 2018, 15, 1600249.	3.0	7
38	Removal of radionuclide U(VI) from aqueous solution by the resistant fungus <i>Absidia corymbifera</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1151-1160.	1.5	14
39	Interaction between Al <sub>2</sub> O <sub>3</sub> and different sizes of GO in aqueous environment. <i>Environmental Pollution</i> , 2018, 243, 1802-1809.	7.5	18
40	Accumulation of <sup>152+154</sup> Eu(III) by <i>Aspergillus sydowii</i> and <i>Trichoderma harzianum</i> . <i>Journal of Environmental Radioactivity</i> , 2018, 193-194, 75-81.	1.7	2
41	Tolerance and Bioaccumulation of Arsenate by <i>Aspergillus Oryzae</i> TLWK-09 Isolated from Arsenic-Contaminated Soils. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	8
42	Accumulation of U(VI) on the <i>Pantoea</i> sp. TW18 isolated from radionuclide-contaminated soils. <i>Journal of Environmental Radioactivity</i> , 2018, 192, 219-226.	1.7	23
43	Complexation of radionuclide <sup>152+154</sup> Eu(III) with alumina-bound fulvic acid studied by batch and time-resolved laser fluorescence spectroscopy. <i>Science China Chemistry</i> , 2017, 60, 107-114.	8.2	22
44	Spectroscopic and Modeling Investigation of Eu(III)/U(VI) Sorption on Nanomagnetite from Aqueous Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5493-5502.	6.7	68
45	Plasma-Facilitated Synthesis of Amidoxime/Carbon Nanofiber Hybrids for Effective Enrichment of <sup>238</sup> U(VI) and <sup>241</sup> Am(III). <i>Environmental Science &amp; Technology</i> , 2017, 51, 12274-12282.	10.0	127
46	Construction of Layered Double Hydroxides/Hollow Carbon Microsphere Composites and Its Applications for Mutual Removal of Pb(II) and Humic Acid from Aqueous Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11268-11279.	6.7	92
47	New Synthesis of nZVI/C Composites as an Efficient Adsorbent for the Uptake of U(VI) from Aqueous Solutions. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9227-9234.	10.0	114
48	Decontamination of Sr(II) on Magnetic Polyaniline/Graphene Oxide Composites: Evidence from Experimental, Spectroscopic, and Modeling Investigation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6924-6931.	6.7	46
49	Mechanical investigation of U(VI) on pyrrhotite by batch, EXAFS and modeling techniques. <i>Journal of Hazardous Materials</i> , 2017, 322, 488-498.	12.4	63
50	Controllable Synthesis of Ca-Mg-Al Layered Double Hydroxides and Calcined Layered Double Oxides for the Efficient Removal of U(VI) from Wastewater Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1173-1185.	6.7	187
51	Competitive sorption of Pb(II), Cu(II) and Ni(II) on carbonaceous nanofibers: A spectroscopic and modeling approach. <i>Journal of Hazardous Materials</i> , 2016, 313, 253-261.	12.4	169
52	Experimental and theoretical evidence for competitive interactions of tetracycline and sulfamethazine with reduced graphene oxides. <i>Environmental Science: Nano</i> , 2016, 3, 1318-1326.	4.3	88
53	Enhanced accumulation of U(VI) by <i>Aspergillus oryzae</i> mutant generated by dielectric barrier discharge air plasma. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 1353-1360.	1.5	12
54	Immobilization of As(V) in <i>Rhizopus oryzae</i> Investigated by Batch and XAFS Techniques. <i>ACS Omega</i> , 2016, 1, 899-906.	3.5	10

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55	Accumulation of Co(II) and Eu(III) by the mycelia of <i>Aspergillus niger</i> isolated from radionuclide-contaminated soils. <i>Chemical Engineering Journal</i> , 2016, 304, 186-193.	12.7	38
56	Macroscopic and Microscopic Investigation of U(VI) and Eu(III) Adsorption on Carbonaceous Nanofibers. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4459-4467.	10.0	398
57	Plasma-induced grafting of polyacrylamide on graphene oxide nanosheets for simultaneous removal of radionuclides. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 398-406.	2.8	151
58	Removal of As(V) from wastewater by chemically modified biomass. <i>Journal of Molecular Liquids</i> , 2015, 206, 262-267.	4.9	23
59	Fabrication of fungus/attapulgite composites and their removal of U(VI) from aqueous solution. <i>Chemical Engineering Journal</i> , 2015, 269, 1-8.	12.7	131
60	Adsorption of 4-Nonylphenol and Bisphenol-A on Magnetic Reduced Graphene Oxides: A Combined Experimental and Theoretical Studies. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9168-9175.	10.0	427
61	Novel fungus-Fe <sub>3</sub> O <sub>4</sub> bio-nanocomposites as high performance adsorbents for the removal of radionuclides. <i>Journal of Hazardous Materials</i> , 2015, 295, 127-137.	12.4	227
62	Adsorption and Desorption of U(VI) on Functionalized Graphene Oxides: A Combined Experimental and Theoretical Study. <i>Environmental Science &amp; Technology</i> , 2015, 49, 4255-4262.	10.0	473
63	Fabrication of oxidized multiwalled carbon nanotubes for the immobilization of U(VI) from aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 305, 361-369.	1.5	5
64	Sequestration of uranium on fabricated aluminum co-precipitated with goethite (Al-FeOOH). <i>Radiochimica Acta</i> , 2014, 102, 797-804.	1.2	41
65	Characterization of radioactive cobalt on graphene oxide by macroscopic and spectroscopic techniques. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1979-1986.	1.5	31
66	Water-soluble polyacrylamide coated-Fe <sub>3</sub> O <sub>4</sub> magnetic composites for high-efficient enrichment of U(VI) from radioactive wastewater. <i>Chemical Engineering Journal</i> , 2014, 246, 268-276.	12.7	137
67	The efficient enrichment of U(VI) by graphene oxide-supported chitosan. <i>RSC Advances</i> , 2014, 4, 61919-61926.	3.6	54
68	Simultaneous adsorption and reduction of U(VI) on reduced graphene oxide-supported nanoscale zerovalent iron. <i>Journal of Hazardous Materials</i> , 2014, 280, 399-408.	12.4	339
69	The sequestration of U(VI) on functional $\beta$ -cyclodextrin-attapulgite nanorods. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 385-391.	1.5	33
70	Highly Efficient Enrichment of Radionuclides on Graphene Oxide-Supported Polyaniline. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9904-9910.	10.0	541
71	Adsorption of Polycyclic Aromatic Hydrocarbons on Graphene Oxides and Reduced Graphene Oxides. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2755-2761.	3.3	150
72	Interaction between Eu(III) and Graphene Oxide Nanosheets Investigated by Batch and Extended X-ray Absorption Fine Structure Spectroscopy and by Modeling Techniques. <i>Environmental Science &amp; Technology</i> , 2012, 46, 6020-6027.	10.0	470

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73	The removal of U(VI) from aqueous solution by oxidized multiwalled carbon nanotubes. Journal of Environmental Radioactivity, 2012, 105, 40-47.	1.7	193
74	Removal of radiocobalt from aqueous solution by oxidized MWCNT. Journal of Radioanalytical and Nuclear Chemistry, 2012, 291, 787-795.	1.5	35
75	Investigation of solution chemistry effects on sorption behavior of radionuclide $^{64}\text{Cu}(\text{II})$ on illite. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 467-477.	1.5	34
76	Comparative transcriptome analysis providing inhibitory mechanism of lung cancer A549 cells by radioactive $^{125}\text{I}$ seed. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	1