Wencheng Song

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2846826/publications.pdf

Version: 2024-02-01

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	Highly Efficient Enrichment of Radionuclides on Graphene Oxide-Supported Polyaniline. Environmental Science & Technology, 2013, 47, 9904-9910.	10.0	541
2	Adsorption and Desorption of U(VI) on Functionalized Graphene Oxides: A Combined Experimental and Theoretical Study. Environmental Science & Technology, 2015, 49, 4255-4262.	10.0	473
3	Interaction between Eu(III) and Graphene Oxide Nanosheets Investigated by Batch and Extended X-ray Absorption Fine Structure Spectroscopy and by Modeling Techniques. Environmental Science & Technology, 2012, 46, 6020-6027.	10.0	470
4	Adsorption of 4-<i>n</i>-Nonylphenol and Bisphenol-A on Magnetic Reduced Graphene Oxides: A Combined Experimental and Theoretical Studies. Environmental Science & Technology, 2015, 49, 9168-9175.	10.0	427
5	Macroscopic and Microscopic Investigation of U(VI) and Eu(III) Adsorption on Carbonaceous Nanofibers. Environmental Science & Technology, 2016, 50, 4459-4467.	10.0	398
6	Simultaneous adsorption and reduction of U(VI) on reduced graphene oxide-supported nanoscale zerovalent iron. Journal of Hazardous Materials, 2014, 280, 399-408.	12.4	339
7	Novel fungus-Fe3O4 bio-nanocomposites as high performance adsorbents for the removal of radionuclides. Journal of Hazardous Materials, 2015, 295, 127-137.	12.4	227
8	Synthesis of magnetic biochar composites for enhanced uranium(VI) adsorption. Science of the Total Environment, 2019, 651, 1020-1028.	8.0	220
9	The removal of U(VI) from aqueous solution by oxidized multiwalled carbon nanotubes. Journal of Environmental Radioactivity, 2012, 105, 40-47.	1.7	193
10	Controllable Synthesis of Ca-Mg-Al Layered Double Hydroxides and Calcined Layered Double Oxides for the Efficient Removal of U(VI) from Wastewater Solutions. ACS Sustainable Chemistry and Engineering, 2017, 5, 1173-1185.	6.7	187
11	Competitive sorption of Pb(II), Cu(II) and Ni(II) on carbonaceous nanofibers: A spectroscopic and modeling approach. Journal of Hazardous Materials, 2016, 313, 253-261.	12.4	169
12	Plasma-induced grafting of polyacrylamide on graphene oxide nanosheets for simultaneous removal of radionuclides. Physical Chemistry Chemical Physics, 2015, 17, 398-406.	2.8	151
13	Adsorption of Polycyclic Aromatic Hydrocarbons on Graphene Oxides and Reduced Graphene Oxides. Chemistry - an Asian Journal, 2013, 8, 2755-2761.	3.3	150
14	Impact of water chemistry on surface charge and aggregation of polystyrene microspheres suspensions. Science of the Total Environment, 2018, 630, 951-959.	8.0	144
15	Water-soluble polyacrylamide coated-Fe3O4 magnetic composites for high-efficient enrichment of U(VI) from radioactive wastewater. Chemical Engineering Journal, 2014, 246, 268-276.	12.7	137
16	Fabrication of fungus/attapulgite composites and their removal of U(VI) from aqueous solution. Chemical Engineering Journal, 2015, 269, 1-8.	12.7	131
17	Plasma-Facilitated Synthesis of Amidoxime/Carbon Nanofiber Hybrids for Effective Enrichment of ²³⁸U(VI) and ²⁴¹Am(III). Environmental Science & Technology, 2017, 51, 12274-12282.	10.0	127
18	Thallium contamination in farmlands and common vegetables in a pyrite mining city and potential health risks. Environmental Pollution, 2019, 248, 906-915.	7.5	122

#	Article	IF	Citations
19	New Synthesis of nZVI/C Composites as an Efficient Adsorbent for the Uptake of U(VI) from Aqueous Solutions. Environmental Science & Technology, 2017, 51, 9227-9234.	10.0	114
20	Construction of Layered Double Hydroxides/Hollow Carbon Microsphere Composites and Its Applications for Mutual Removal of Pb(II) and Humic Acid from Aqueous Solutions. ACS Sustainable Chemistry and Engineering, 2017, 5, 11268-11279.	6.7	92
21	Recent investigations and progress in environmental remediation by using covalent organic framework-based adsorption method: A review. Journal of Cleaner Production, 2020, 277, 123360.	9.3	92
22	Experimental and theoretical evidence for competitive interactions of tetracycline and sulfamethazine with reduced graphene oxides. Environmental Science: Nano, 2016, 3, 1318-1326.	4.3	88
23	Decontamination of U(VI) on graphene oxide/Al2O3 composites investigated by XRD, FT-IR and XPS techniques. Environmental Pollution, 2019, 248, 332-338.	7.5	81
24	Potential environmental applications of MXenes: A critical review. Chemosphere, 2021, 271, 129578.	8.2	71
25	Carbon materials for extraction of uranium from seawater. Chemosphere, 2021, 278, 130411.	8.2	71
26	Response of microbial communities and interactions to thallium in contaminated sediments near a pyrite mining area. Environmental Pollution, 2019, 248, 916-928.	7.5	70
27	Spectroscopic and Modeling Investigation of Eu(III)/U(VI) Sorption on Nanomagnetite from Aqueous Solutions. ACS Sustainable Chemistry and Engineering, 2017, 5, 5493-5502.	6.7	68
28	Mechanical investigation of U(VI) on pyrrhotite by batch, EXAFS and modeling techniques. Journal of Hazardous Materials, 2017, 322, 488-498.	12.4	63
29	Simultaneous removal of U(VI) and Re(VII) by highly efficient functionalized ZIF-8 nanosheets adsorbent. Journal of Hazardous Materials, 2020, 393, 122398.	12.4	59
30	A spectroscopic and theoretical investigation of interaction mechanisms of tetracycline and polystyrene nanospheres under different conditions. Environmental Pollution, 2019, 249, 398-405.	7.5	57
31	The efficient enrichment of U(<scp>vi</scp>) by graphene oxide-supported chitosan. RSC Advances, 2014, 4, 61919-61926.	3.6	54
32	Plasma-enhanced amidoxime/magnetic graphene oxide for efficient enrichment of U(VI) investigated by EXAFS and modeling techniques. Chemical Engineering Journal, 2019, 357, 66-74.	12.7	53
33	Influence of carbonate on sequestration of U(VI) on perovskite. Journal of Hazardous Materials, 2019, 364, 100-107.	12.4	51
34	Modeling and EXAFS investigation of U(VI) sequestration on Fe3O4/PCMs composites. Chemical Engineering Journal, 2019, 369, 736-744.	12.7	50
35	Mechanistic investigation of U(VI) sequestration by zero-valent iron/activated carbon composites. Chemical Engineering Journal, 2019, 362, 99-106.	12.7	50
36	The enhanced photodegradation of bisphenol A by TiO2/C3N4 composites. Environmental Research, 2020, 182, 109090.	7.5	47

#	Article	IF	Citations
37	Decontamination of Sr(II) on Magnetic Polyaniline/Graphene Oxide Composites: Evidence from Experimental, Spectroscopic, and Modeling Investigation. ACS Sustainable Chemistry and Engineering, 2017, 5, 6924-6931.	6.7	46
38	A robust prediction of U(VI) sorption on Fe3O4/activated carbon composites with surface complexation model. Environmental Research, 2020, 185, 109467.	7.5	46
39	Bioaccumulation and transformation of U(VI) by sporangiospores of Mucor circinelloides. Chemical Engineering Journal, 2019, 362, 81-88.	12.7	44
40	Environmental application of emerging zero-valent iron-based materials on removal of radionuclides from the wastewater: A review. Environmental Research, 2020, 188, 109855.	7.5	43
41	Sequestration of uranium on fabricated aluminum co-precipitated with goethite (Al-FeOOH). Radiochimica Acta, 2014, 102, 797-804.	1.2	41
42	Accumulation of Co(II) and Eu(III) by the mycelia of Aspergillus niger isolated from radionuclide-contaminated soils. Chemical Engineering Journal, 2016, 304, 186-193.	12.7	38
43	Kinetic and equilibrium of U(VI) biosorption onto the resistant bacterium Bacillus amyloliquefaciens. Journal of Environmental Radioactivity, 2019, 203, 117-124.	1.7	37
44	Enhanced Photocatalytic Simultaneous Removals of Cr(VI) and Bisphenol A over Co(II)-Modified TiO₂. Langmuir, 2019, 35, 276-283.	3.5	36
45	Removal of radiocobalt from aqueous solution by oxidized MWCNT. Journal of Radioanalytical and Nuclear Chemistry, 2012, 291, 787-795.	1.5	35
46	Investigation of solution chemistry effects on sorption behavior of radionuclide 64Cu(II) on illite. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 467-477.	1.5	34
47	The sequestration of U(VI) on functional Î²-cyclodextrin-attapulgite nanorods. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 385-391.	1.5	33
48	Application of surface complexation modeling on adsorption of uranium at water-solid interface: A review. Environmental Pollution, 2021, 278, 116861.	7.5	32
49	Characterization of radioactive cobalt on graphene oxide by macroscopic and spectroscopic techniques. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1979-1986.	1.5	31
50	Enhanced immobilization of U(VI) on Mucor circinelloides in presence of As(V): Batch and XAFS investigation. Environmental Pollution, 2018, 237, 228-236.	7.5	30
51	The influence of humic acid on U(VI) sequestration by calcium titanate. Chemical Engineering Journal, 2019, 368, 598-605.	12.7	27
52	Effect of Staphylococcus epidermidis on U(VI) sequestration by Al-goethite. Journal of Hazardous Materials, 2019, 368, 52-62.	12.4	27
53	Removal of As(V) from wastewater by chemically modified biomass. Journal of Molecular Liquids, 2015, 206, 262-267.	4.9	23
54	Accumulation of U(VI) on the Pantoea sp. TW18 isolated from radionuclide-contaminated soils. Journal of Environmental Radioactivity, 2018, 192, 219-226.	1.7	23

#	Article	IF	Citations
55	Complexation of radionuclide 152+154Eu(III) with alumina-bound fulvic acid studied by batch and time-resolved laser fluorescence spectroscopy. Science China Chemistry, 2017, 60, 107-114.	8.2	22
56	Spectroscopic and theoretical investigation on efficient removal of U(VI) by amine-containing polymers. Chemical Engineering Journal, 2019, 367, 94-101.	12.7	21
57	Interaction between Al2O3 and different sizes of GO in aqueous environment. Environmental Pollution, 2018, 243, 1802-1809.	7.5	18
58	One-Step Arc-Produced Amino-Functionalized Graphite-Encapsulated Magnetic Nanoparticles for the Efficient Removal of Radionuclides. ACS Applied Nano Materials, 2019, 2, 385-394.	5.0	15
59	Removal of radionuclide U(VI) from aqueous solution by the resistant fungus Absidia corymbifera. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 1151-1160.	1.5	14
60	One-step method to prepare core-shell magnetic nanocomposite encapsulating silver nanoparticles with superior catalytic and antibacterial activity. Journal of Colloid and Interface Science, 2022, 607, 1730-1740.	9.4	13
61	Enhanced accumulation of U(VI) by Aspergillus oryzae mutant generated by dielectric barrier discharge air plasma. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 1353-1360.	1.5	12
62	Immobilization of As(V) in Rhizopus oryzae Investigated by Batch and XAFS Techniques. ACS Omega, 2016, 1, 899-906.	3.5	10
63	Fabrication of porous carbon and application of Eu(III) removal from aqueous solutions. Journal of Molecular Liquids, 2019, 280, 34-39.	4.9	10
64	Bioaccumulation of uranium by Candida utilis: Investigated by water chemistry and biological effects. Environmental Research, 2021, 194, 110691.	7.5	10
65	The Synthesis of Z-Scheme MoS2/g-C3N4 Heterojunction for Enhanced Visible-Light-Driven Photoreduction of Uranium. Catalysis Letters, 2022, 152, 1981-1989.	2.6	10
66	Improved Eu(III) immobilization by Cladosporium sphaerospermum induced by low-temperature plasma. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 963-970.	1.5	8
67	Tolerance and Bioaccumulation of Arsenate by Aspergillus Oryzae TLWK-09 Isolated from Arsenic-Contaminated Soils. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	8
68	Low temperature plasma induced apoptosis in CNEâ€2Z cells through endoplasmic reticulum stress and mitochondrial dysfunction pathways. Plasma Processes and Polymers, 2018, 15, 1600249.	3.0	7
69	Ultrafast and highly capture of U(VI) by hierarchical mesoporous carbon. Radiochimica Acta, 2020, 108, 717-726.	1.2	6
70	Fabrication of oxidized multiwalled carbon nanotubes for the immobilization of U(VI) from aqueous solutions. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 361-369.	1.5	5
71	Boosting photocatalytic efficiency of MoS2/CdS by modulating morphology. Environmental Science and Pollution Research, 2022, 29, 73282-73291.	5.3	4
72	Cold Atmospheric Plasma Inhibits the Proliferation of CAL-62 Cells through the ROS-Mediated PI3K/Akt/mTOR Signaling Pathway. Science and Technology of Nuclear Installations, 2022, 2022, 1-12.	0.8	3

#	Article	IF	Citations
73	Accumulation of 152+154Eu(III) by Aspergillus sydowii and Trichoderma harzianum. Journal of Environmental Radioactivity, 2018, 193-194, 75-81.	1.7	2
74	Comparative Transcriptome Analysis Providing Resistance Mechanism of Aspergillus oryzae Under Arsenate Stress. Geomicrobiology Journal, 2021, 38, 426-435.	2.0	2
75	Enhancement of U(VI) biosorption by Trichoderma harzianum mutant obtained by a cold atmospheric plasma jet. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 1325-1333.	1.5	2
76	Comparative transcriptome analysis providing inhibitory mechanism of lung cancer A549 cells by radioactive 125I seed. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	1