Yubing Sun

List of Publications by Year
in descending order

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85 papers	9,229 citations	31976 53 h-index	38395 95 g-index
110 all docs	110 docs citations	110 times ranked	5998 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-n-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	Synthesis of novel flower-like layered double oxides/carbon dots nanocomposites for U(VI) and 241Am(III) efficient removal: Batch and EXAFS studies. Chemical Engineering Journal, 2018, 332, 775-786.	12.7	211
10	The removal of U(VI) from aqueous solution by oxidized multiwalled carbon nanotubes. Journal of Environmental Radioactivity, 2012, 105, 40-47.	1.7	193
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	Competitive sorption of As(V) and Cr(VI) on carbonaceous nanofibers. Chemical Engineering Journal, 2016, 293, 311-318.	12.7	166
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	Comparison of U(VI) removal from contaminated groundwater by nanoporous alumina and non-nanoporous alumina. Separation and Purification Technology, 2011, 83, 196-203.	7.9	144
15	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
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	Interaction of sulfonated graphene oxide with U(VI) studied by spectroscopic analysis and theoretical calculations. Chemical Engineering Journal, 2017, 310, 292-299.	12.7	130
18	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

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19	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
20	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
21	Superior immobilization of U(VI) and 243Am(III) on polyethyleneimine modified lamellar carbon nitride composite from water environment. Chemical Engineering Journal, 2017, 326, 863-874.	12.7	109
22	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
23	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
24	Utilization of iron sulfides for wastewater treatment: a critical review. Reviews in Environmental Science and Biotechnology, 2017, 16, 289-308.	8.1	88
25	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
26	Surface complexation modeling of adsorption of Cd(II) on graphene oxides. Journal of Molecular Liquids, 2015, 209, 753-758.	4.9	73
27	Potential environmental applications of MXenes: A critical review. Chemosphere, 2021, 271, 129578.	8.2	71
28	Carbon materials for extraction of uranium from seawater. Chemosphere, 2021, 278, 130411.	8.2	71
29	Efficient photocatalytic CO2 reduction over Co(II) species modified CdS in aqueous solution. Applied Catalysis B: Environmental, 2018, 226, 252-257.	20.2	70
30	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
31	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
32	Characterization of nano-iron oxyhydroxides and their application in UO2 2+ removal from aqueous solutions. Journal of Radioanalytical and Nuclear Chemistry, 2011, 290, 643-648.	1.5	66
33	Highly uranium elimination by crab shells-derived porous graphitic carbon nitride: Batch, EXAFS and theoretical calculations. Chemical Engineering Journal, 2018, 346, 406-415.	12.7	64
34	Mechanical investigation of U(VI) on pyrrhotite by batch, EXAFS and modeling techniques. Journal of Hazardous Materials, 2017, 322, 488-498.	12.4	63
35	Spectroscopic and modeling investigation of efficient removal of U(VI) on a novel magnesium silicate/diatomite. Separation and Purification Technology, 2017, 174, 425-431.	7.9	63
36	The adsorption and desorption of Ni(II) on Al substituted goethite. Journal of Molecular Liquids, 2015, 201, 30-35.	4.9	61

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37	Direct Synthesis of Bacteria-Derived Carbonaceous Nanofibers as a Highly Efficient Material for Radionuclides Elimination. ACS Sustainable Chemistry and Engineering, 2016, 4, 4608-4616.	6.7	60
38	New insights into Th(IV) speciation on sepiolite: Evidence for EXAFS and modeling investigation. Chemical Engineering Journal, 2017, 322, 66-72.	12.7	60
39	The sorption of Cd(II) and U(VI) on sepiolite: A combined experimental and modeling studies. Journal of Molecular Liquids, 2015, 209, 706-712.	4.9	59
40	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
41	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
42	Plasma synthesis of Î²-cyclodextrin/Al(OH)3 composites as adsorbents for removal of UO22+ from aqueous solutions. Journal of Molecular Liquids, 2015, 207, 224-230.	4.9	56
43	Removal of U(VI) from aqueous solutions by the nano-iron oxyhydroxides. Radiochimica Acta, 2012, 100, 779-784.	1.2	55
44	The efficient enrichment of U(<scp>vi</scp>) by graphene oxide-supported chitosan. RSC Advances, 2014, 4, 61919-61926.	3.6	54
45	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
46	Influence of carbonate on sequestration of U(VI) on perovskite. Journal of Hazardous Materials, 2019, 364, 100-107.	12.4	51
47	Interaction mechanism of Eu(III) with MX-80 bentonite studied by batch, TRLFS and kinetic desorption techniques. Chemical Engineering Journal, 2015, 264, 570-576.	12.7	50
48	Modeling and EXAFS investigation of U(VI) sequestration on Fe3O4/PCMs composites. Chemical Engineering Journal, 2019, 369, 736-744.	12.7	50
49	Mechanistic investigation of U(VI) sequestration by zero-valent iron/activated carbon composites. Chemical Engineering Journal, 2019, 362, 99-106.	12.7	50
50	Facile construction of 3D magnetic graphene oxide hydrogel via incorporating assembly and chemical bubble and its application in arsenic remediation. Chemical Engineering Journal, 2019, 358, 552-563.	12.7	50
51	Synthesis of multi-walled carbon nanotubeâ€“hydroxyapatite composites and its application in the sorption of Co(II) from aqueous solutions. Journal of Molecular Liquids, 2013, 179, 46-53.	4.9	47
52	The enhanced photodegradation of bisphenol A by TiO2/C3N4 composites. Environmental Research, 2020, 182, 109090.	7.5	47
53	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
54	A robust prediction of U(VI) sorption on Fe3O4/activated carbon composites with surface complexation model. Environmental Research, 2020, 185, 109467.	7.5	46

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55	Bioaccumulation and transformation of U(VI) by sporangiospores of Mucor circinelloides. Chemical Engineering Journal, 2019, 362, 81-88.	12.7	44
56	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
57	Sequestration of uranium on fabricated aluminum co-precipitated with goethite (Al-FeOOH). Radiochimica Acta, 2014, 102, 797-804.	1.2	41
58	Enhanced Photocatalytic Simultaneous Removals of Cr(VI) and Bisphenol A over Co(II)-Modified TiO₂. Langmuir, 2019, 35, 276-283.	3.5	36
59	Removal of radiocobalt from aqueous solution by oxidized MWCNT. Journal of Radioanalytical and Nuclear Chemistry, 2012, 291, 787-795.	1.5	35
60	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
61	The sequestration of U(VI) on functional Î²-cyclodextrin-attapulgite nanorods. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 385-391.	1.5	33
62	Effect of microbes on Ni(II) diffusion onto sepiolite. Journal of Molecular Liquids, 2015, 204, 170-175.	4.9	32
63	Spectroscopic Investigation of Enhanced Adsorption of U(VI) and Eu(III) on Magnetic Attapulgite in Binary System. Industrial & Engineering Chemistry Research, 2018, 57, 7533-7543.	3.7	32
64	Application of surface complexation modeling on adsorption of uranium at water-solid interface: A review. Environmental Pollution, 2021, 278, 116861.	7.5	32
65	Redox Behavior of Uranium at the Nanoporous Aluminum Oxide-Water Interface: Implications for Uranium Remediation. Environmental Science & Technology, 2012, 46, 7301-7309.	10.0	31
66	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
67	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
68	The influence of humic acid on U(VI) sequestration by calcium titanate. Chemical Engineering Journal, 2019, 368, 598-605.	12.7	27
69	Effect of Staphylococcus epidermidis on U(VI) sequestration by Al-goethite. Journal of Hazardous Materials, 2019, 368, 52-62.	12.4	27
70	Uranyl(VI) boosting 3D g-C3N4 photocatalytic H2O2 production for U(VI) immobilization. Journal of Cleaner Production, 2022, 330, 129821.	9.3	25
71	Recent advances on the adsorption and oxidation of mercury from coal-fired flue gas: A review. Journal of Cleaner Production, 2022, 367, 133111.	9.3	24
72	Spectroscopic and theoretical investigation on efficient removal of U(VI) by amine-containing polymers. Chemical Engineering Journal, 2019, 367, 94-101.	12.7	21

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73	Recent Advances in Two-Dimensional MoS₂ Nanosheets for Environmental Application. Industrial & Engineering Chemistry Research, 2021, 60, 8007-8026.	3.7	21
74	Study on the acidâ€“base surface property of the magnetite graphene oxide and its usage for the removal of radiostrontium from aqueous solution. Radiochimica Acta, 2013, 101, 785-794.	1.2	20
75	Interaction between Al2O3 and different sizes of GO in aqueous environment. Environmental Pollution, 2018, 243, 1802-1809.	7.5	18
76	Is the interaction between graphene oxide and minerals reversible?. Environmental Pollution, 2019, 249, 785-793.	7.5	12
77	Immobilization of As(V) in Rhizopus oryzae Investigated by Batch and XAFS Techniques. ACS Omega, 2016, 1, 899-906.	3.5	10
78	Fabrication of porous carbon and application of Eu(III) removal from aqueous solutions. Journal of Molecular Liquids, 2019, 280, 34-39.	4.9	10
79	Bioaccumulation of uranium by Candida utilis: Investigated by water chemistry and biological effects. Environmental Research, 2021, 194, 110691.	7.5	10
80	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
81	Transformation relationship among different magnetic minerals within loess-paleosol sediments of the Chinese Loess Plateau. Science in China Series D: Earth Sciences, 2009, 52, 313-322.	0.9	8
82	Ultrafast and highly capture of U(VI) by hierarchical mesoporous carbon. Radiochimica Acta, 2020, 108, 717-726.	1.2	6
83	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
84	Adsorption of radionuclides on carbon-based nanomaterials. Interface Science and Technology, 2019, , 141-215.	3.3	4
85	Enhanced Photocatalytic Reduction of U(VI) on SrTiO₃/ gâ€₃N₄Compositesâ€‰:â€‰Synergistic Interaction. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	4