

Dadong Shao

List of Publications by Year in descending order

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89
papers

8,330
citations

50170

46
h-index

45213

90
g-index

102
all docs

102
docs citations

102
times ranked

7074
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Enrichment of Radionuclides on Graphene Oxide-Supported Polyaniline. <i>Environmental Science & Technology</i> , 2013, 47, 9904-9910.	4.6	541
2	Mutual Effects of Pb(II) and Humic Acid Adsorption on Multiwalled Carbon Nanotubes/Polyacrylamide Composites from Aqueous Solutions. <i>Environmental Science & Technology</i> , 2011, 45, 3621-3627.	4.6	474
3	Adsorption behavior of multiwall carbon nanotube/iron oxide magnetic composites for Ni(II) and Sr(II). <i>Journal of Hazardous Materials</i> , 2009, 164, 923-928.	6.5	439
4	Adsorption of Ni(II) on oxidized multi-walled carbon nanotubes: Effect of contact time, pH, foreign ions and PAA. <i>Journal of Hazardous Materials</i> , 2009, 166, 109-116.	6.5	394
5	Preconcentration of U(^{VI}) ions on few-layered graphene oxide nanosheets from aqueous solutions. <i>Dalton Transactions</i> , 2012, 41, 6182-6188.	1.6	353
6	Plasma Induced Grafting Carboxymethyl Cellulose on Multiwalled Carbon Nanotubes for the Removal of UO ₂ ²⁺ from Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 860-864.	1.2	351
7	Application of graphitic carbon nitride for the removal of Pb(II) and aniline from aqueous solutions. <i>Chemical Engineering Journal</i> , 2015, 260, 469-477.	6.6	331
8	Adsorption of copper(II) on multiwalled carbon nanotubes in the absence and presence of humic or fulvic acids. <i>Journal of Hazardous Materials</i> , 2010, 178, 333-340.	6.5	272
9	Plasma-Induced Grafting of Cyclodextrin onto Multiwall Carbon Nanotube/Iron Oxides for Adsorbent Application. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6779-6785.	1.2	267
10	PANI/GO as a super adsorbent for the selective adsorption of uranium(VI). <i>Chemical Engineering Journal</i> , 2014, 255, 604-612.	6.6	267
11	Kinetics and thermodynamics of adsorption of ionizable aromatic compounds from aqueous solutions by as-prepared and oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2010, 178, 505-516.	6.5	247
12	Effect of pH, ionic strength, temperature and humic substances on the sorption of Ni(II) to Na-attapulgite. <i>Chemical Engineering Journal</i> , 2009, 150, 188-195.	6.6	184
13	Removal of Eu(III) from aqueous solution using ZSM-5 zeolite. <i>Microporous and Mesoporous Materials</i> , 2009, 123, 1-9.	2.2	170
14	Polyaniline Multiwalled Carbon Nanotube Magnetic Composite Prepared by Plasma-Induced Graft Technique and Its Application for Removal of Aniline and Phenol. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21524-21530.	1.5	161
15	Graphene oxide/polypyrrole composites for highly selective enrichment of U(^{VI}) from aqueous solutions. <i>Polymer Chemistry</i> , 2014, 5, 6207-6215.	1.9	160
16	Plasma-induced grafting of polyacrylamide on graphene oxide nanosheets for simultaneous removal of radionuclides. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 398-406.	1.3	151
17	Efficient enrichment of uranium(vi) on amidoximated magnetite/graphene oxide composites. <i>RSC Advances</i> , 2013, 3, 18952.	1.7	147
18	Impact of Al ₂ O ₃ on the Aggregation and Deposition of Graphene Oxide. <i>Environmental Science & Technology</i> , 2014, 48, 5493-5500.	4.6	144

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19	Removal of 1-naphthylamine from aqueous solution by multiwall carbon nanotubes/iron oxides/cyclodextrin composite. <i>Journal of Hazardous Materials</i> , 2011, 185, 463-471.	6.5	136
20	HF-Free Synthesis of Nanoscale Metal-Organic Framework NMIL-100(Fe) as an Efficient Dye Adsorbent. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3368-3378.	3.2	128
21	Removal of polychlorinated biphenyls from aqueous solutions using β -cyclodextrin grafted multiwalled carbon nanotubes. <i>Chemosphere</i> , 2010, 79, 679-685.	4.2	126
22	Plasma Induced Grafting Multiwalled Carbon Nanotube with Chitosan and Its Application for Removal of UO ₂ , Cu ²⁺ , and Pb ²⁺ from Aqueous Solutions. <i>Plasma Processes and Polymers</i> , 2010, 7, 977-985.	1.6	121
23	The uptake of radionuclides from aqueous solution by poly(amidoxime) modified reduced graphene oxide. <i>Chemical Engineering Journal</i> , 2014, 254, 623-634.	6.6	112
24	Application of polyaniline and multiwalled carbon nanotube magnetic composites for removal of Pb(II). <i>Chemical Engineering Journal</i> , 2012, 185-186, 144-150.	6.6	105
25	Removal of U(VI) from Aqueous Solution by Amino Functionalized Flake Graphite Prepared by Plasma Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4073-4085.	3.2	102
26	Effect of pH and fulvic acid on sorption and complexation of cobalt onto bare and FA bound MX-80 bentonite. <i>Radiochimica Acta</i> , 2006, 94, .	0.5	92
27	Poly(acrylic acid) grafted multiwall carbon nanotubes by plasma techniques for Co(II) removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2012, 210, 475-481.	6.6	89
28	Synthesis of water-dispersible Fe ₃ O ₄ @ β -cyclodextrin by plasma-induced grafting technique for pollutant treatment. <i>Chemical Engineering Journal</i> , 2013, 229, 296-303.	6.6	89
29	Poly(amidoxime)-reduced graphene oxide composites as adsorbents for the enrichment of uranium from seawater. <i>Science China Chemistry</i> , 2014, 57, 1449-1458.	4.2	89
30	Simultaneous removal of uranium and humic acid by cyclodextrin modified graphene oxide nanosheets. <i>Science China Chemistry</i> , 2014, 57, 1291-1299.	4.2	89
31	New Insight into GO, Cadmium(II), Phosphate Interaction and Its Role in GO Colloidal Behavior. <i>Environmental Science & Technology</i> , 2016, 50, 9361-9369.	4.6	85
32	Photocatalytic reduction of Cr(VI) to Cr(III) in solution containing ZnO or ZSM-5 zeolite using oxalate as model organic compound in environment. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 243-248.	2.2	81
33	Immobilization of uranium by biomaterial stabilized FeS nanoparticles: Effects of stabilizer and enrichment mechanism. <i>Journal of Hazardous Materials</i> , 2016, 302, 1-9.	6.5	79
34	Modeling of radionickel sorption on MX-80 bentonite as a function of pH and ionic strength. <i>Science in China Series B: Chemistry</i> , 2009, 52, 362-371.	0.8	71
35	Effect of Silicate on the Formation and Stability of Ni-Al LDH at the β -Al ₂ O ₃ Surface. <i>Environmental Science & Technology</i> , 2014, 48, 13138-13145.	4.6	68
36	SDBS Modified XC72 Carbon for the Removal of Pb(II) from Aqueous Solutions. <i>Plasma Processes and Polymers</i> , 2010, 7, 552-560.	1.6	65

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37	Comparative study of Pb(II) sorption on XC-72 carbon and multi-walled carbon nanotubes from aqueous solutions. <i>Chemical Engineering Journal</i> , 2011, 170, 170-177.	6.6	65
38	Efficient removal of phenol and aniline from aqueous solutions using graphene oxide/polypyrrole composites. <i>Journal of Molecular Liquids</i> , 2015, 203, 80-89.	2.3	63
39	Exploration of the Active Center Structure of Nitrogen-Doped Graphene for Control over the Growth of Co_3O_4 for a High-Performance Supercapacitor. <i>ACS Applied Energy Materials</i> , 2018, 1, 143-153.	2.5	63
40	Polyaniline (PANI) modified bentonite by plasma technique for U(VI) removal from aqueous solution. <i>Applied Surface Science</i> , 2017, 411, 331-337.	3.1	60
41	Synthesis of few-layered graphene by H_2O_2 plasma etching of graphite. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	59
42	Environmental condition effects on radionuclide ^{64}Cu (II) sequestration to a novel composite: polyaniline grafted multiwalled carbon nanotubes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 797-806.	0.7	53
43	Efficient removal of cobalt from aqueous solution using β -cyclodextrin modified graphene oxide. <i>RSC Advances</i> , 2013, 3, 9514-9521.	1.7	51
44	Adsorption of U(VI) on bentonite in simulation environmental conditions. <i>Journal of Molecular Liquids</i> , 2017, 242, 678-684.	2.3	47
45	Phosphate-Functionalized Polyethylene with High Adsorption of Uranium(VI). <i>ACS Omega</i> , 2017, 2, 3267-3275.	1.6	46
46	Preconcentration of Pb^{2+} from aqueous solution using poly(acrylamide) and poly(N,N-dimethylacrylamide) grafted multiwalled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 74-84.	2.3	45
47	Highly efficient entrapment of U(VI) by using porous magnetic $\text{Ni}_0.6\text{Fe}_2.4\text{O}_4$ micro-particles as the adsorbent. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 367-377.	2.7	43
48	Removal of 4,4'-dichlorinated biphenyl from aqueous solution using methyl methacrylate grafted multiwalled carbon nanotubes. <i>Chemosphere</i> , 2011, 82, 751-758.	4.2	41
49	Plasma Induced Multiwalled Carbon Nanotube Grafted with 2-Vinylpyridine for Preconcentration of Pb(II) from Aqueous Solutions. <i>Plasma Processes and Polymers</i> , 2011, 8, 589-598.	1.6	41
50	Uptake of Pb(II) and U(VI) ions from aqueous solutions by the ZSM-5 zeolite. <i>Journal of Molecular Liquids</i> , 2015, 207, 338-342.	2.3	38
51	A review of biopolymer (Poly- β -hydroxybutyrate) synthesis in microbes cultivated on wastewater. <i>Science of the Total Environment</i> , 2021, 756, 143729.	3.9	38
52	Reductive immobilization of uranium by PAAM- Fe_3O_4 magnetic composites. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 169-176.	1.2	36
53	Rapid fabrication and phase transition of Nd and Ce co-doped $\text{Gd}_2\text{Zr}_2\text{O}_7$ ceramics by SPS. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2863-2870.	2.8	33
54	Rapid solidification of Sr-contaminated soil by consecutive microwave sintering: mechanism and stability evaluation. <i>Journal of Hazardous Materials</i> , 2021, 407, 124761.	6.5	33

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55	Design of Chitosan-Grafted Carbon Nanotubes: Evaluation of How the "OH Functional Group Affects Cs+ Adsorption. <i>Marine Drugs</i> , 2015, 13, 3116-3131.	2.2	32
56	Spectroscopic Investigation of Enhanced Adsorption of U(VI) and Eu(III) on Magnetic Attapulgite in Binary System. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7533-7543.	1.8	32
57	Radiation stability of Gd ₂ Zr ₂ O ₇ and Nd ₂ Ce ₂ O ₇ ceramics as nuclear waste forms. <i>Ceramics International</i> , 2018, 44, 760-765.	2.3	30
58	Polyamidoxime functionalized with phosphate groups by plasma technique for effective U(VI) adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 380-387.	2.9	27
59	Controlled synthesized natroalunite microtubes applied for cadmium(II) and phosphate co-removal. <i>Journal of Hazardous Materials</i> , 2016, 314, 249-259.	6.5	26
60	Irradiation response of Nd ₂ Zr ₂ O ₇ under heavy ions irradiation. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2068-2073.	2.8	26
61	Zero valent iron/poly(amidoxime) adsorbent for the separation and reduction of U(VI). <i>RSC Advances</i> , 2016, 6, 52076-52081.	1.7	24
62	Exploring the Sorption Mechanism of Ni(II) on Illite: Batch Sorption, Modelling, EXAFS and Extraction Investigations. <i>Scientific Reports</i> , 2017, 7, 8495.	1.6	24
63	Harvesting the vibration energy of MnO ₂ nanostructures for complete catalytic oxidation of carcinogenic airborne formaldehyde at ambient temperature. <i>Chemosphere</i> , 2020, 261, 127778.	4.2	23
64	Localized in situ polymerization on carbon nanotube surfaces for stabilized carbon nanotube dispersions and application for cobalt(II) removal. <i>RSC Advances</i> , 2014, 4, 4856.	1.7	22
65	Rapid immobilization of complex simulated radionuclides by as-prepared Gd ₂ Zr ₂ O ₇ ceramics without structural design. <i>Journal of Nuclear Materials</i> , 2019, 526, 151782.	1.3	22
66	Facile synthesis of gelatin modified attapulgite for the uptake of uranium from aqueous solution. <i>Journal of Molecular Liquids</i> , 2017, 234, 172-178.	2.3	21
67	Heavy-ion irradiation effects on Gd ₂ Zr ₂ O ₇ ceramics bearing complex nuclear waste. <i>Journal of Alloys and Compounds</i> , 2019, 771, 973-979.	2.8	21
68	Microstructure evolution of rapidly fabricated Gd ₂ -Nd Zr ₂ O ₇ (0.0 x 2.0) by spark plasma sintering. <i>Ceramics International</i> , 2018, 44, 2458-2462.	2.3	17
69	Transformation details of poly(acrylonitrile) to poly(amidoxime) during the amidoximation process. <i>RSC Advances</i> , 2021, 11, 1909-1915.	1.7	17
70	Poly(amidoxime) functionalized MoS ₂ for efficient adsorption of uranium(VI) in aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 379-386.	0.7	16
71	Retention of Pb(II) by a Low-Cost Magnetic Composite Prepared by Environmentally-Friendly Plasma Technique. <i>Separation Science and Technology</i> , 2013, 48, 1211-1219.	1.3	14
72	Functionally reduced graphene oxide supported iron oxides composites as an adsorbent for the immobilization of uranium ions from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2017, 240, 578-588.	2.3	14

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73	Sorption of Nickel(II) on a Calcareous Aridisol Soil, China: Batch, XPS, and EXAFS Spectroscopic Investigations. <i>Scientific Reports</i> , 2017, 7, 46744.	1.6	13
74	Heavy-ion irradiation effects on U3O8 incorporated Gd2Zr2O7 waste forms. <i>Journal of Hazardous Materials</i> , 2018, 357, 424-430.	6.5	13
75	Rapid vitrification of simulated Sr2+ radioactive contaminated soil for nuclear emergencies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 115-121.	0.7	13
76	A carboxymethyl cellulose modified magnetic bentonite composite for efficient enrichment of radionuclides. <i>RSC Advances</i> , 2016, 6, 65136-65145.	1.7	12
77	Chemical behavior of uranium contaminated soil solidified by microwave sintering. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 2109-2117.	0.7	12
78	XPS investigation of impurities containing boron films affected by energetic deuterium implantation and thermal desorption. <i>Journal of Nuclear Materials</i> , 2015, 457, 118-123.	1.3	11
79	Helium ion irradiation effects on neodymium and cerium co-doped Gd ₂ Zr ₂ O ₇ pyrochlore ceramic. <i>Journal of Rare Earths</i> , 2018, 36, 398-403.	2.5	9
80	Removal of U(VI) from aqueous solution using carboxymethyl cellulose-modified Ca-rectorite hybrid composites. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 776-783.	1.2	8
81	Formation of C ₆₀ fullerene-bonded-CNTs using radio frequency plasma. <i>RSC Advances</i> , 2017, 7, 21124-21127.	1.7	7
82	Effects of alpha irradiation on Nd ₂ Zr ₂ O ₇ matrix for nuclear waste forms. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 33-38.	1.1	6
83	Ab initio calculation of mechanical and thermodynamic properties of Gd ₂ Zr ₂ O ₇ pyrochlore. <i>Materials Chemistry and Physics</i> , 2020, 243, 122565.	2.0	6
84	Alpha-radiation effects of Gd ₂ Zr ₂ O ₇ bearing simulated multi-nuclides. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 831-836.	1.1	5
85	Application of poly(vinylphosphonic acid) modified poly(amidoxime) in uptake of uranium from seawater. <i>RSC Advances</i> , 2022, 12, 4054-4060.	1.7	5
86	Photocatalytic Elimination of Cr(VI) in Aqueous Solution by Using ZSM-5 Zeolite as Catalyst and Urea as Coexisting Organic Contaminants. <i>Nano LIFE</i> , 2015, 05, 1542001.	0.6	2
87	Helium ions ⁺ irradiation effects on Gd ₂ Zr ₂ O ₇ ceramics holding complex simulated radionuclides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 2113-2122.	0.7	2
88	Effects of heavy-ion irradiation on Gd ₂ Zr ₂ O ₇ bearing simulated TRPO waste. <i>Ceramics International</i> , 2018, 44, 14020-14025.	2.3	2
89	Application of poly(amidoxime)/scrap facemasks in extraction of uranium from seawater: from dangerous waste to nuclear power. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 0, , .	0.7	2