

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	Application of poly(vinylphosphonic acid) modified poly(amidoxime) in uptake of uranium from seawater. RSC Advances, 2022, 12, 4054-4060.	1.7	5
2	A review of biopolymer (Poly- $\hat{1}^2$ -hydroxybutyrate) synthesis in microbes cultivated on wastewater. Science of the Total Environment, 2021, 756, 143729.	3.9	38
3	Rapid solidification of Sr-contaminated soil by consecutive microwave sintering: mechanism and stability evaluation. Journal of Hazardous Materials, 2021, 407, 124761.	6.5	33
4	Transformation details of poly(acrylonitrile) to poly(amidoxime) during the amidoximation process. RSC Advances, 2021, 11, 1909-1915.	1.7	17
5	Ab initio calculation of mechanical and thermodynamic properties of Gd ₂ Zr ₂ O ₇ pyrochlore. Materials Chemistry and Physics, 2020, 243, 122565.	2.0	6
6	Harvesting the vibration energy of $\hat{1}^{\pm}$ -MnO ₂ nanostructures for complete catalytic oxidation of carcinogenic airborne formaldehyde at ambient temperature. Chemosphere, 2020, 261, 127778.	4.2	23
7	Removal of U(VI) from aqueous solution using carboxymethyl cellulose-modified Ca-rectorite hybrid composites. Korean Journal of Chemical Engineering, 2020, 37, 776-783.	1.2	8
8	Chemical behavior of uranium contaminated soil solidified by microwave sintering. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 2109-2117.	0.7	12
9	Rapid immobilization of complex simulated radionuclides by as-prepared Gd ₂ Zr ₂ O ₇ ceramics without structural design. Journal of Nuclear Materials, 2019, 526, 151782.	1.3	22
10	Poly(amidoxime) functionalized MoS ₂ for efficient adsorption of uranium(VI) in aqueous solutions. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 379-386.	0.7	16
11	Alpha-radiation effects of Gd ₂ Zr ₂ O ₇ bearing simulated multi-nuclides. Journal of the Australian Ceramic Society, 2019, 55, 831-836.	1.1	5
12	Rapid vitrification of simulated Sr ²⁺ radioactive contaminated soil for nuclear emergencies. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 115-121.	0.7	13
13	Heavy-ion irradiation effects on Gd ₂ Zr ₂ O ₇ ceramics bearing complex nuclear waste. Journal of Alloys and Compounds, 2019, 771, 973-979.	2.8	21
14	Rapid fabrication and phase transition of Nd and Ce co-doped Gd ₂ Zr ₂ O ₇ ceramics by SPS. Journal of the European Ceramic Society, 2018, 38, 2863-2870.	2.8	33
15	Irradiation response of Nd ₂ Zr ₂ O ₇ under heavy ions irradiation. Journal of the European Ceramic Society, 2018, 38, 2068-2073.	2.8	26
16	Helium ion irradiation effects on neodymium and cerium co-doped Gd ₂ Zr ₂ O ₇ pyrochlore ceramic. Journal of Rare Earths, 2018, 36, 398-403.	2.5	9
17	Effects of heavy-ion irradiation on Gd ₂ Zr ₂ O ₇ bearing simulated TRPO waste. Ceramics International, 2018, 44, 14020-14025.	2.3	2
18	Microstructure evolution of rapidly fabricated Gd-Nd Zr ₂ O ₇ (0.0 $\hat{\%}$ x $\hat{\%}$ 2.0) by spark plasma sintering. Ceramics International, 2018, 44, 2458-2462.	2.3	17

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19	Effects of alpha irradiation on Nd ₂ Zr ₂ O ₇ matrix for nuclear waste forms. Journal of the Australian Ceramic Society, 2018, 54, 33-38.	1.1	6
20	Radiation stability of Gd ₂ Zr ₂ O ₇ and Nd ₂ Ce ₂ O ₇ ceramics as nuclear waste forms. Ceramics International, 2018, 44, 760-765.	2.3	30
21	Exploration of the Active Center Structure of Nitrogen-Doped Graphene for Control over the Growth of Co ₃ O ₄ for a High-Performance Supercapacitor. ACS Applied Energy Materials, 2018, 1, 143-153.	2.5	63
22	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.	1.8	32
23	Polyamidoxime functionalized with phosphate groups by plasma technique for effective U(VI) adsorption. Journal of Industrial and Engineering Chemistry, 2018, 67, 380-387.	2.9	27
24	Heavy-ion irradiation effects on U ₃ O ₈ incorporated Gd ₂ Zr ₂ O ₇ waste forms. Journal of Hazardous Materials, 2018, 357, 424-430.	6.5	13
25	Formation of C ₆₀ fullerene-bonded-CNTs using radio frequency plasma. RSC Advances, 2017, 7, 21124-21127.	1.7	7
26	Sorption of Nickel(II) on a Calcareous Aridisols Soil, China: Batch, XPS, and EXAFS Spectroscopic Investigations. Scientific Reports, 2017, 7, 46744.	1.6	13
27	Removal of U(VI) from Aqueous Solution by Amino Functionalized Flake Graphite Prepared by Plasma Treatment. ACS Sustainable Chemistry and Engineering, 2017, 5, 4073-4085.	3.2	102
28	Facile synthesis of gelatin modified attapulgite for the uptake of uranium from aqueous solution. Journal of Molecular Liquids, 2017, 234, 172-178.	2.3	21
29	Polyaniline (PANI) modified bentonite by plasma technique for U(VI) removal from aqueous solution. Applied Surface Science, 2017, 411, 331-337.	3.1	60
30	Exploring the Sorption Mechanism of Ni(II) on Illite: Batch Sorption, Modelling, EXAFS and Extraction Investigations. Scientific Reports, 2017, 7, 8495.	1.6	24
31	Adsorption of U(VI) on bentonite in simulation environmental conditions. Journal of Molecular Liquids, 2017, 242, 678-684.	2.3	47
32	Phosphate-Functionalized Polyethylene with High Adsorption of Uranium(VI). ACS Omega, 2017, 2, 3267-3275.	1.6	46
33	Helium ions ⁺ irradiation effects on Gd ₂ Zr ₂ O ₇ ceramics holding complex simulated radionuclides. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2113-2122.	0.7	2
34	Functionally reduced graphene oxide supported iron oxides composites as an adsorbent for the immobilization of uranium ions from aqueous solutions. Journal of Molecular Liquids, 2017, 240, 578-588.	2.3	14
35	A carboxymethyl cellulose modified magnetic bentonite composite for efficient enrichment of radionuclides. RSC Advances, 2016, 6, 65136-65145.	1.7	12
36	HF-Free Synthesis of Nanoscale Metal-Organic Framework NMIL-100(Fe) as an Efficient Dye Adsorbent. ACS Sustainable Chemistry and Engineering, 2016, 4, 3368-3378.	3.2	128

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37	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
38	Highly efficient entrapment of U(VI) by using porous magnetic Ni _{0.6} Fe _{2.4} O ₄ micro-particles as the adsorbent. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 367-377.	2.7	43
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	Reductive immobilization of uranium by PAAM-FeS/Fe ₃ O ₄ magnetic composites. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 169-176.	1.2	36
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	Highly Efficient Enrichment of Radionuclides on Graphene Oxide-Supported Polyaniline. <i>Environmental Science & Technology</i> , 2013, 47, 9904-9910.	4.6	541
59	Efficient enrichment of uranium(vi) on amidoximated magnetite/graphene oxide composites. <i>RSC Advances</i> , 2013, 3, 18952.	1.7	147
60	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
61	Efficient removal of cobalt from aqueous solution using β -cyclodextrin modified graphene oxide. <i>RSC Advances</i> , 2013, 3, 9514-9521.	1.7	51
62	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
63	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
64	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
65	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
66	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
67	Synthesis of few-layered graphene by H ₂ O ₂ plasma etching of graphite. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	59
68	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
69	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
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	SDBS Modified XCa ⁷² Carbon for the Removal of Pb(II) from Aqueous Solutions. <i>Plasma Processes and Polymers</i> , 2010, 7, 552-560.	1.6	65
78	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
79	Removal of polychlorinated biphenyls from aqueous solutions using β -cyclodextrin grafted multiwalled carbon nanotubes. <i>Chemosphere</i> , 2010, 79, 679-685.	4.2	126
80	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
81	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
82	Removal of Eu(III) from aqueous solution using ZSM-5 zeolite. <i>Microporous and Mesoporous Materials</i> , 2009, 123, 1-9.	2.2	170
83	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
84	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
85	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
86	Effect of pH, ionic strength, temperature and humic substances on the sorption of Ni(II) to Na ⁺ attapulgitite. <i>Chemical Engineering Journal</i> , 2009, 150, 188-195.	6.6	184
87	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
88	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
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