

# Changlun Chen

## List of Publications by Citations

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206

papers

21,488

citations

78

h-index

143

g-index

229

ext. papers

23,589

ext. citations

7.5

avg, IF

7.23

L-index

#	Paper	IF	Citations
206	Few-layered graphene oxide nanosheets as superior sorbents for heavy metal ion pollution management. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10454-62	10.3	1372
205	Metal-organic framework-based materials: superior adsorbents for the capture of toxic and radioactive metal ions. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 2322-2356	58.5	1077
204	Carbon nanotubes as adsorbents in environmental pollution management: A review. <i>Chemical Engineering Journal</i> , <b>2011</b> , 170, 395-410	14.7	818
203	Highly efficient enrichment of radionuclides on graphene oxide-supported polyaniline. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9904-10	10.3	474
202	Adsorption of Ni(II) from Aqueous Solution Using Oxidized Multiwall Carbon Nanotubes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 9144-9149	3.9	465
201	Removal of Pb(II) ions from aqueous solutions on few-layered graphene oxide nanosheets. <i>Dalton Transactions</i> , <b>2011</b> , 40, 10945-52	4.3	434
200	Mutual effects of Pb(II) and humic acid adsorption on multiwalled carbon nanotubes/polyacrylamide composites from aqueous solutions. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 3621-7	10.3	431
199	Removal of Cu(II) and fulvic acid by graphene oxide nanosheets decorated with Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4991-5000	9.5	430
198	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> , <b>2012</b> , 46, 6020-7	10.3	421
197	Adsorption behavior of multiwall carbon nanotube/iron oxide magnetic composites for Ni(II) and Sr(II). <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 923-8	12.8	396
196	Synthesis of Magnetite/Graphene Oxide Composite and Application for Cobalt(II) Removal. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 25234-25240	3.8	347
195	Removal of chromium from aqueous solution by using oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 162, 1542-50	12.8	344
194	Removal of Pb(II) from aqueous solution by oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 154, 407-16	12.8	342
193	Enhanced photocatalytic degradation of methylene blue under visible irradiation on graphene@TiO <sub>2</sub> dyade structure. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 111-112, 303-308	21.8	333
192	Europium adsorption on multiwall carbon nanotube/iron oxide magnetic composite in the presence of polyacrylic acid. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 2362-7	10.3	324
191	Sorption of <sup>243</sup> Am(III) to multiwall carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 2856-60	10.3	322
190	Facile preparation of amino functionalized graphene oxide decorated with Fe <sub>3</sub> O <sub>4</sub> nanoparticles for the adsorption of Cr(VI). <i>Applied Surface Science</i> , <b>2016</b> , 384, 1-9	6.7	273

189	Graphene oxide-iron oxide and reduced graphene oxide-iron oxide hybrid materials for the removal of organic and inorganic pollutants. <i>RSC Advances</i> , <b>2012</b> , 2, 8821	3.7	259
188	Plasma-induced grafting of cyclodextrin onto multiwall carbon nanotube/iron oxides for adsorbent application. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 6779-85	3.4	253
187	Adsorption of copper(II) on multiwalled carbon nanotubes in the absence and presence of humic or fulvic acids. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 178, 333-40	12.8	252
186	Emerging natural and tailored materials for uranium-contaminated water treatment and environmental remediation. <i>Progress in Materials Science</i> , <b>2019</b> , 103, 180-234	42.2	229
185	Oxygen Functionalization of Multiwall Carbon Nanotubes by Microwave-Excited Surface-Wave Plasma Treatment. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7659-7665	3.8	226
184	Adsorption of Pb(II) from aqueous solution to MX-80 bentonite: Effect of pH, ionic strength, foreign ions and temperature. <i>Applied Clay Science</i> , <b>2008</b> , 41, 37-46	5.2	225
183	Water-dispersible magnetite-graphene-LDH composites for efficient arsenate removal. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17353		220
182	Spherical Ni(OH) <sub>2</sub> nanoarchitecture grown on graphene as advanced electrochemical pseudocapacitor materials. <i>Chemical Communications</i> , <b>2012</b> , 48, 2773-5	5.8	213
181	Magnetic polydopamine decorated with MgAl LDH nanoflakes as a novel bio-based adsorbent for simultaneous removal of potentially toxic metals and anionic dyes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1737-1746	13	209
180	Synthesis of graphene-based nanomaterials and their application in energy-related and environmental-related areas. <i>RSC Advances</i> , <b>2012</b> , 2, 9286	3.7	203
179	The adsorption of Pb(II) on Mg <sub>2</sub> Al layered double hydroxide. <i>Chemical Engineering Journal</i> , <b>2011</b> , 171, 167-174	14.7	202
178	Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. <i>Science China Chemistry</i> , <b>2019</b> , 62, 933-967	7.9	186
177	Adsorption kinetic, thermodynamic and desorption studies of Th(IV) on oxidized multi-wall carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 302, 449-454	5.1	166
176	Counterion effects of nickel and sodium dodecylbenzene sulfonate adsorption to multiwalled carbon nanotubes in aqueous solution. <i>Carbon</i> , <b>2008</b> , 46, 1741-1750	10.4	164
175	Cr(VI) Reduction and Immobilization by Core-Double-Shell Structured Magnetic [email protected] Idazolate Frameworks-8 Microspheres. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6795-6802	8.3	151
174	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> , <b>2010</b> , 114, 21524-21530	3.8	151
173	Synthesis of porous Fe <sub>3</sub> O <sub>4</sub> hollow microspheres/graphene oxide composite for Cr(vi) removal. <i>Dalton Transactions</i> , <b>2013</b> , 42, 14710-7	4.3	148
172	Surface complexation modeling of Sr(II) and Eu(III) adsorption onto oxidized multiwall carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 323, 33-41	9.3	148

171	Polyaniline-Modified Mg/Al Layered Double Hydroxide Composites and Their Application in Efficient Removal of Cr(VI). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 4361-4369	8.3	147
170	Polyaniline-modified 3D-flower-like molybdenum disulfide composite for efficient adsorption/photocatalytic reduction of Cr(VI). <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 476, 62-70	9.3	145
169	Competitive sorption of Pb(II), Cu(II) and Ni(II) on carbonaceous nanofibers: A spectroscopic and modeling approach. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 313, 253-61	12.8	141
168	Effect of environmental conditions on Pb(II) adsorption on EMnO <sub>2</sub> . <i>Chemical Engineering Journal</i> , <b>2010</b> , 164, 49-55	14.7	137
167	Sorption of Th (IV) to silica as a function of pH, humic/fulvic acid, ionic strength, electrolyte type. <i>Applied Radiation and Isotopes</i> , <b>2007</b> , 65, 155-63	1.7	137
166	Superior adsorption capacity of g-C <sub>3</sub> N <sub>4</sub> for heavy metal ions from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 456, 7-14	9.3	136
165	Amino group introduction onto multiwall carbon nanotubes by NH <sub>3</sub> /Ar plasma treatment. <i>Carbon</i> , <b>2010</b> , 48, 939-948	10.4	134
164	High performance of phosphate-functionalized graphene oxide for the selective adsorption of U(VI) from acidic solution. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 466, 56-64	3.3	131
163	Impact of Al <sub>2</sub> O <sub>3</sub> on the aggregation and deposition of graphene oxide. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5493-500	10.3	131
162	One-step fabrication of amino functionalized magnetic graphene oxide composite for uranium(VI) removal. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 472, 99-107	9.3	130
161	A core-shell structure of polyaniline coated protonic titanate nanobelt composites for both Cr(VI) and humic acid removal. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 785-794	4.9	128
160	Sorption and desorption of Th(IV) on nanoparticles of anatase studied by batch and spectroscopy methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 296, 109-116	5.1	128
159	Removal of 1-naphthylamine from aqueous solution by multiwall carbon nanotubes/iron oxides/cyclodextrin composite. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 185, 463-71	12.8	123
158	Enhanced photocatalytic degradation of methylene blue on multiwalled carbon nanotubes-TiO <sub>2</sub> . <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 398, 234-9	9.3	120
157	Influence of pH, soil humic/fulvic acid, ionic strength and foreign ions on sorption of thorium(IV) onto Al <sub>2</sub> O <sub>3</sub> . <i>Applied Geochemistry</i> , <b>2007</b> , 22, 436-445	3.5	120
156	Removal of polychlorinated biphenyls from aqueous solutions using beta-cyclodextrin grafted multiwalled carbon nanotubes. <i>Chemosphere</i> , <b>2010</b> , 79, 679-85	8.4	118
155	Enhanced photo-reduction and removal of Cr(VI) on reduced graphene oxide decorated with TiO <sub>2</sub> nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 405, 211-7	9.3	117
154	Sorption of Ni <sup>2+</sup> on Na-rectorite studied by batch and spectroscopy methods. <i>Applied Geochemistry</i> , <b>2008</b> , 23, 2767-2777	3.5	117

153	Preparation of montmorillonite@carbon composite and its application for U(VI) removal from aqueous solution. <i>Applied Surface Science</i> , <b>2015</b> , 349, 129-137	6.7	115
152	Plasma-Facilitated Synthesis of Amidoxime/Carbon Nanofiber Hybrids for Effective Enrichment of U(VI) and Am(III). <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12274-12282	10.3	113
151	Interaction of sulfonated graphene oxide with U(VI) studied by spectroscopic analysis and theoretical calculations. <i>Chemical Engineering Journal</i> , <b>2017</b> , 310, 292-299	14.7	113
150	Adsorption of thorium(IV) on MX-80 bentonite: Effect of pH, ionic strength and temperature. <i>Applied Clay Science</i> , <b>2008</b> , 41, 17-23	5.2	110
149	In situ carbothermal reduction synthesis of Fe nanocrystals embedded into N-doped carbon nanospheres for highly efficient U(VI) adsorption and reduction. <i>Chemical Engineering Journal</i> , <b>2018</b> , 331, 395-405	14.7	108
148	Removal of cobalt from aqueous solution by magnetic multiwalled carbon nanotube/iron oxide composites. <i>Chemical Engineering Journal</i> , <b>2011</b> , 174, 126-133	14.7	108
147	Effect of soil humic and fulvic acids, pH and ionic strength on Th(IV) sorption to TiO <sub>2</sub> nanoparticles. <i>Applied Radiation and Isotopes</i> , <b>2007</b> , 65, 375-81	1.7	106
146	Effect of pH and aging time on the kinetic dissociation of <sup>243</sup> Am(III) from humic acid-coated gamma-Al <sub>2</sub> O <sub>3</sub> : a chelating resin exchange study. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7084-8	10.3	106
145	Enhanced removal of uranium(VI) from aqueous solution by a novel Mg-MOF-74-derived porous MgO/carbon adsorbent. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, A1-A10	9.3	103
144	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> , <b>2017</b> , 51, 9227-9234	10.3	94
143	Direct observation of macromolecular structures of humic acid by AFM and SEM. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 302, 121-125	5.1	94
142	Application of polyaniline and multiwalled carbon nanotube magnetic composites for removal of Pb(II). <i>Chemical Engineering Journal</i> , <b>2012</b> , 185-186, 144-150	14.7	93
141	Hierarchical MWCNTs/Fe <sub>3</sub> O <sub>4</sub> /PANI magnetic composite as adsorbent for methyl orange removal. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 450, 189-195	9.3	92
140	Reductive immobilization of Re(VII) by graphene modified nanoscale zero-valent iron particles using a plasma technique. <i>Science China Chemistry</i> , <b>2016</b> , 59, 150-158	7.9	92
139	Competitive Adsorption of Pb, Ni, and Sr Ions on Graphene Oxides: A Combined Experimental and Theoretical Study. <i>ChemPlusChem</i> , <b>2015</b> , 80, 480-484	2.8	89
138	Sorption of Eu(III) on GMZ bentonite in the absence/presence of humic acid studied by batch and XAFS techniques. <i>Science China Chemistry</i> , <b>2010</b> , 53, 1420-1428	7.9	86
137	Effect of pH and fulvic acid on sorption and complexation of cobalt onto bare and FA bound MX-80 bentonite. <i>Radiochimica Acta</i> , <b>2006</b> , 94,	1.9	84
136	Efficient sorption and reduction of U(VI) on zero-valent iron-polyaniline-graphene aerogel ternary composite. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 490, 197-206	9.3	83

135	Investigation of the adsorption mechanisms of Pb(II) and 1-naphthol by $\beta$ -cyclodextrin modified graphene oxide nanosheets from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 530, 154-162	9.3	82
134	Influence of soil humic acid and fulvic acid on sorption of thorium(IV) on MX-80 bentonite. <i>Radiochimica Acta</i> , <b>2006</b> , 94, 429-434	1.9	82
133	Nanoscale zero-valent iron particles modified on reduced graphene oxides using a plasma technique for Cd(II) removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 59, 389-394	5.3	80
132	Enhanced adsorption of Eu(III) on mesoporous Al <sub>2</sub> O <sub>3</sub> /expanded graphite composites investigated by macroscopic and microscopic techniques. <i>Dalton Transactions</i> , <b>2012</b> , 41, 13388-94	4.3	79
131	Investigation of interaction between U(VI) and carbonaceous nanofibers by batch experiments and modeling study. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 460, 237-46	9.3	78
130	Impact of water chemistry on surface charge and aggregation of polystyrene microspheres suspensions. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 951-959	10.2	77
129	Plasma treatment of multiwall carbon nanotubes for dispersion improvement in water. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 131504	3.4	77
128	Exploration of the adsorption performance and mechanism of zeolitic imidazolate framework-8@graphene oxide for Pb(II) and 1-naphthylamine from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 542, 410-420	9.3	75
127	Screening of Zirconium-Based Metal-Organic Frameworks for Efficient Simultaneous Removal of Antimonite (Sb(III)) and Antimonate (Sb(V)) from Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 11496-11503	8.3	73
126	Synthesis of Ag nanoparticles decoration on magnetic carbonized polydopamine nanospheres for effective catalytic reduction of Cr(VI). <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 526, 1-8	9.3	73
125	New Insight into GO, Cadmium(II), Phosphate Interaction and Its Role in GO Colloidal Behavior. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9361-9	10.3	73
124	Adsorption of Methyl Orange Dye Onto Multiwalled Carbon Nanotubes. <i>Procedia Environmental Sciences</i> , <b>2013</b> , 18, 890-895		71
123	Synthesis of water-dispersible Fe <sub>3</sub> O <sub>4</sub> @ $\beta$ -cyclodextrin by plasma-induced grafting technique for pollutant treatment. <i>Chemical Engineering Journal</i> , <b>2013</b> , 229, 296-303	14.7	71
122	EDTA functionalized FeO/graphene oxide for efficient removal of U(VI) from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 506, 300-307	9.3	70
121	Study of multi-wall carbon nanotubes self-assembled electrode and its application to the determination of carbon monoxide. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 99, 1-5	8.5	69
120	Sorption of Th(IV) on Na-rectorite: Effect of HA, ionic strength, foreign ions and temperature. <i>Applied Geochemistry</i> , <b>2007</b> , 22, 2892-2906	3.5	68
119	Adsorption and kinetic desorption study of <sup>152</sup> + <sup>154</sup> Eu(III) on multiwall carbon nanotubes from aqueous solution by using chelating resin and XPS methods. <i>Radiochimica Acta</i> , <b>2008</b> , 96, 23-29	1.9	66
118	Diffusion and sorption of U(VI) in compacted bentonite studied by a capillary method. <i>Radiochimica Acta</i> , <b>2005</b> , 93, 273-278	1.9	64

117	Nanoscale zero-valent iron particles supported on reduced graphene oxides by using a plasma technique and their application for removal of heavy-metal ions. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1410-7	4.5	63
116	Using of chelating resin to study the kinetic desorption of Eu(III) from humic acid/Al <sub>2</sub> O <sub>3</sub> colloid surfaces. <i>Surface Science</i> , <b>2006</b> , 600, 478-483	1.8	63
115	Impact of graphene oxide on the antibacterial activity of antibiotics against bacteria. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1016-1024	7.1	62
114	MOFs-induced encapsulation of ultrafine Ni nanoparticles into 3D N-doped graphene-CNT frameworks as a recyclable catalyst for Cr(VI) reduction with formic acid. <i>Carbon</i> , <b>2019</b> , 148, 52-63	10.4	62
113	Analytical approaches to the speciation of lanthanides at solid-water interfaces. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 61, 107-132	14.6	62
112	Decoration of ZIF-8 on polypyrrole nanotubes for highly efficient and selective capture of U(VI). <i>Journal of Cleaner Production</i> , <b>2018</b> , 204, 896-905	10.3	60
111	Interaction Mechanism of Re(VII) with Zirconium Dioxide Nanoparticles Anchored onto Reduced Graphene Oxides. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2163-2171	8.3	57
110	Graphene analogues in aquatic environments and porous media: dispersion, aggregation, deposition and transformation. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1298-1340	7.1	57
109	Direct Synthesis of Bacteria-Derived Carbonaceous Nanofibers as a Highly Efficient Material for Radionuclides Elimination. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 4608-4616	8.3	57
108	Surface functional groups and defects on carbon nanotubes affect adsorption-desorption hysteresis of metal cations and oxoanions in water. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 488-495	7.1	57
107	Hierarchical GOs/Fe <sub>3</sub> O <sub>4</sub> /PANI magnetic composites as adsorbent for ionic dye pollution treatment. <i>RSC Advances</i> , <b>2014</b> , 4, 38192	3.7	57
106	Encapsulation of Fe <sup>0</sup> -dominated Fe <sub>3</sub> O <sub>4</sub> /Fe <sup>0</sup> /Fe <sub>3</sub> C nanoparticles into carbonized polydopamine nanospheres for catalytic degradation of tetracycline via persulfate activation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 304-311	14.7	56
105	Spectroscopic and Modeling Investigation of Eu(III)/U(VI) Sorption on Nanomagnetite from Aqueous Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5493-5502	8.3	54
104	Coupling g-CN nanosheets with metal-organic frameworks as 2D/3D composite for the synergetic removal of uranyl ions from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 550, 117-127	9.3	53
103	Synthesis of a novel organic-inorganic hybrid of polyaniline/titanium phosphate for Re(VII) removal. <i>Dalton Transactions</i> , <b>2015</b> , 44, 8917-25	4.3	53
102	Application of oxidized multi-wall carbon nanotubes for Th(IV) adsorption. <i>Radiochimica Acta</i> , <b>2007</b> , 95,	1.9	53
101	Insights into key factors controlling GO stability in natural surface waters. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 335, 56-65	12.8	52
100	Oxygen functionalization of multiwall carbon nanotubes by Ar/H <sub>2</sub> O plasma treatment. <i>Diamond and Related Materials</i> , <b>2011</b> , 20, 153-156	3.5	52

99	Adsorption of humic acid and Eu(III) to multi-walled carbon nanotubes: Effect of pH, ionic strength and counterion effect. <i>Radiochimica Acta</i> , <b>2009</b> , 97,	1.9	52
98	Biochar Derived from Sawdust Embedded with Molybdenum Disulfide for Highly Selective Removal of Pb <sup>2+</sup> . <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 2689-2698	5.6	52
97	Effect of silicate on U(VI) sorption to $\gamma$ -Al <sub>2</sub> O <sub>3</sub> : Batch and EXAFS studies. <i>Chemical Engineering Journal</i> , <b>2015</b> , 269, 371-378	14.7	51
96	Fabrication of hierarchical core-shell polydopamine@MgAl-LDHs composites for the efficient enrichment of radionuclides. <i>Applied Surface Science</i> , <b>2017</b> , 396, 1726-1735	6.7	50
95	Amino Siloxane Oligomer Modified Graphene Oxide Composite for the Efficient Capture of U(VI) and Eu(III) from Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10290-10297	8.3	50
94	Synthesis of few-layered graphene by H <sub>2</sub> O <sub>2</sub> plasma etching of graphite. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 183114	3.4	50
93	Spectroscopic and modeling investigation of efficient removal of U(VI) on a novel magnesium silicate/diatomite. <i>Separation and Purification Technology</i> , <b>2017</b> , 174, 425-431	8.3	49
92	Interaction mechanism between different facet TiO <sub>2</sub> and U(VI): Experimental and density-functional theory investigation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 944-954	14.7	49
91	MOFs-derived magnetic chestnut shell-like hollow sphere NiO/Ni@C composites and their removal performance for arsenic(V). <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 413-421	14.7	49
90	Synthesis of nanoscale zero-valent iron loaded chitosan for synergistically enhanced removal of U(VI) based on adsorption and reduction. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 552, 735-743	9.3	48
89	Sorption behavior of Co(II) on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> in the presence of humic acid. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2007</b> , 273, 227-233	1.5	48
88	Sorption and complexation of Eu(III) on alumina: effects of pH, ionic strength, humic acid and chelating resin on kinetic dissociation study. <i>Applied Radiation and Isotopes</i> , <b>2006</b> , 64, 414-21	1.7	48
87	Effect of pH, ionic strength, fulvic acid and humic acid on sorption of Th(IV) on Na-rectorite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2007</b> , 274, 153-160	1.5	47
86	Competitive adsorption of U(VI) and Co(II) on montmorillonite: A batch and spectroscopic approach. <i>Applied Clay Science</i> , <b>2018</b> , 157, 121-129	5.2	46
85	Adsorption of Th(IV) onto Al-pillared rectorite: Effect of pH, ionic strength, temperature, soil humic acid and fulvic acid. <i>Applied Clay Science</i> , <b>2008</b> , 38, 219-226	5.2	46
84	Mutual effects of copper and phosphate on their interaction with $\gamma$ -Al <sub>2</sub> O <sub>3</sub> : combined batch macroscopic experiments with DFT calculations. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 237-238, 199-208	12.8	45
83	Synthesis of magnetic ion-imprinted composites and selective separation and preconcentration of U(VI). <i>Dalton Transactions</i> , <b>2014</b> , 43, 7050-6	4.3	44
82	Graphene oxide interactions with co-existing heavy metal cations: adsorption, colloidal properties and joint toxicity. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 362-371	7.1	44



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79	Interaction of Th(IV) with graphene oxides: Batch experiments, XPS investigation, and modeling. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 213, 58-68	6	42
78	Eu(III) uptake on rectorite in the presence of humic acid: a macroscopic and spectroscopic study. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 393, 249-56	9.3	40
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76	Bonding properties of humic acid with attapulgite and its influence on U(VI) sorption. <i>Chemical Geology</i> , <b>2017</b> , 464, 91-100	4.2	39
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59	Influence of carbonate on sequestration of U(VI) on perovskite. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 364, 100-107	12.8	31
58	The concentration and pH dependent diffusion of <sup>137</sup> Cs in compacted bentonite by using capillary method. <i>Journal of Nuclear Materials</i> , <b>2005</b> , 345, 184-191	3.3	29
57	A simple method for preparing ultra-light graphene aerogel for rapid removal of U(VI) from aqueous solution. <i>Environmental Pollution</i> , <b>2019</b> , 251, 547-554	9.3	28
56	Sorption and desorption of Eu(III) on alumina. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2005</b> , 266, 419-424	1.5	28
55	Synthesis of FeNi/graphene oxide composite and its highly efficient removal of uranium(VI) from aqueous solution. <i>Journal of Cleaner Production</i> , <b>2019</b> , 230, 1305-1315	10.3	27
54	Facile synthesis of magnetic Fe3O4/graphene composites for enhanced U(VI) sorption. <i>Applied Surface Science</i> , <b>2018</b> , 444, 691-698	6.7	27
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52	Construction of novel graphene-based materials GO@SiO@C@Ni for Cr(VI) removal from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 557, 254-265	9.3	26
51	Enhanced Electrochemical Performance of Reduced Graphene Oxides by H2/Ar Plasma Treatment. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 28440-28447	3.8	24
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48	Adsorption of Europium on Al-substituted goethite. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 236, 445-451	6	22
47	Controlled synthesized natroalunite microtubes applied for cadmium(II) and phosphate co-removal. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 314, 249-259	12.8	22
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43	The influence of dissolved Si on Ni precipitate formation at the kaolinite water interface: Kinetics, DRS and EXAFS analysis. <i>Chemosphere</i> , <b>2017</b> , 173, 135-142	8.4	18
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41	Environmental fate and risk of ultraviolet- and visible-light-transformed graphene oxide: A comparative study. <i>Environmental Pollution</i> , <b>2019</b> , 251, 821-829	9.3	17
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19	Effect of silicate on the sorption properties of kaolinite: removal of U(VI) and mechanism. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 311, 1899-1907	1.5	6
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