

# Metal-organic framework-based materials: superior adsorbents for toxic and radioactive metal ions

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Citation Report

#	ARTICLE	IF	CITATIONS
2	A uranyl phosphonate framework with a temperature-induced order-disorder transition and temperature-correlated photoluminescence. <i>CrystEngComm</i> , 2018, 20, 3153-3157.	1.3	14
3	Covalent Organic Framework Functionalized with 8-Hydroxyquinoline as a Dual-Mode Fluorescent and Colorimetric pH Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15364-15368.	4.0	136
4	Fabrication of Magnetic Fe/Zn Layered Double Oxide@Carbon Nanotube Composites and Their Application for U(VI) and <sup>241</sup> Am(III) Removal. <i>ACS Applied Nano Materials</i> , 2018, 1, 2386-2396.	2.4	30
5	Interaction between U(VI) with sulfhydryl groups functionalized graphene oxides investigated by batch and spectroscopic techniques. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 129-138.	5.0	48
6	A novel non-imprinted adsorbent with superior selectivity towards high-performance capture of Ag(I). <i>Chemical Engineering Journal</i> , 2018, 348, 224-231.	6.6	41
7	Highly efficient removal of Gd(III) using hybrid hydrosols of carbon nanotubes/graphene oxide in dialysis bags and synergistic enhancement effect. <i>Chemical Engineering Journal</i> , 2018, 348, 535-545.	6.6	34
8	Efficient elimination of U(VI) by polyethyleneimine-decorated fly ash. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2399-2407.	3.0	72
9	Core-shell hierarchical C@Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> ·9H <sub>2</sub> O nanostructures for the efficient removal of radionuclides. <i>Environmental Science: Nano</i> , 2018, 5, 1140-1149.	2.2	66
10	The resistance effect of vegetation stem diameter on overland runoff under different slope gradients. <i>Water Science and Technology</i> , 2018, 78, 2383-2391.	1.2	9
11	The selective capture of Pb <sup>2+</sup> in rice phloem sap using glutathione-functionalized gold nanoparticles/multi-walled carbon nanotubes: enhancing anti-interference electrochemical detection. <i>Environmental Science: Nano</i> , 2018, 5, 2761-2771.	2.2	12
12	Exceptional TcO <sub>4</sub> <sup>-</sup> sorption capacity and highly efficient ReO <sub>4</sub> <sup>-</sup> luminescence sensing by Zr <sup>4+</sup> MOFs. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20813-20821.	5.2	54
13	Enhanced performance for Eu <sup>3+</sup> ion remediation using magnetic multiwalled carbon nanotubes functionalized with carboxymethyl cellulose nanoparticles synthesized by plasma technology. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3184-3196.	3.0	11
15	Self-assembly of 2D-metal-organic framework/graphene oxide membranes as highly efficient adsorbents for the removal of Cs <sup>+</sup> from aqueous solutions. <i>RSC Advances</i> , 2018, 8, 40813-40822.	1.7	48
16	Mussel-inspired polydopamine chemistry to modulate template synthesis of 1D metal-organic framework superstructures. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21567-21576.	5.2	23
17	Influence of Ligand Functionalization of UiO-66-Based Metal-Organic Frameworks When Used as Sorbents in Dispersive Solid-Phase Analytical Microextraction for Different Aqueous Organic Pollutants. <i>Molecules</i> , 2018, 23, 2869.	1.7	40
18	Facile generation of carbon quantum dots in MIL-53(Fe) particles as localized electron acceptors for enhancing their photocatalytic Cr(VI) reduction. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3170-3177.	3.0	64
19	Adsorptive removal of cadmium from aqueous solutions using NiFe <sub>2</sub> O <sub>4</sub> /hydroxyapatite/graphene quantum dots as a novel nano-adsorbent. <i>Journal of Nanostructure in Chemistry</i> , 2018, 8, 441-452.	5.3	45
20	Removal of heavy metals (Cu <sup>2+</sup> and Cd <sup>2+</sup> ) from effluent using gamma irradiation, titanium dioxide nanoparticles and methanol. <i>Journal of Nanostructure in Chemistry</i> , 2018, 8, 483-496.	5.3	38

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21	Point-of-Care Compatibility of Ultra-Sensitive Detection Techniques for the Cardiac Biomarker Troponin I—Challenges and Potential Value. <i>Biosensors</i> , 2018, 8, 114.	2.3	32
22	Ultrasound-Assisted Removal of Tetracycline by a Fe/N—C Hybrids/H <sub>2</sub> O <sub>2</sub> Fenton-like System. <i>ACS Omega</i> , 2018, 3, 15870-15878.	1.6	25
23	Novel 2D Nanosheets with Potential Applications in Heavy Metal Purification: A Review. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801094.	1.9	67
24	Fabrication of Magnetite-Graphene Oxide/MgAl-Layered Double Hydroxide Composites for Efficient Removal of Emulsified Oils from Various Oil-in-Water Emulsions. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, , .	1.0	4
25	Nanoencapsulation of arsenate with nanoscale zero-valent iron (nZVI): A 3D perspective. <i>Science Bulletin</i> , 2018, 63, 1641-1648.	4.3	38
26	State-of-the-Art Advances and Challenges of Iron-Based Metal Organic Frameworks from Attractive Features, Synthesis to Multifunctional Applications. <i>Small</i> , 2019, 15, e1803088.	5.2	111
27	High-Affinity Detection and Capture of Heavy Metal Contaminants using Block Polymer Composite Membranes. <i>ACS Central Science</i> , 2018, 4, 1697-1707.	5.3	56
28	Comparative Investigation of Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> Nanostructures for Uranium Decontamination. <i>ACS Applied Nano Materials</i> , 2018, 1, 5543-5552.	2.4	15
29	Spatial confinement of a cationic MOF: a SC—SC approach for high capacity Cr(VI)-oxyanion capture in aqueous solution. <i>Chemical Communications</i> , 2018, 54, 11645-11648.	2.2	169
30	Drum Stick Seed Powder as Smart Material for Water Purification: Role of Moringa oleifera Coagulant Protein-Coated Copper Phosphate Nanoflowers for the Removal of Heavy Toxic Metal Ions and Oxidative Degradation of Dyes from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15634-15643.	3.2	31
31	Heavy metal remediation from automobile effluent by thermally treated montmorillonite-rice husk composite. <i>Transactions of the Royal Society of South Africa</i> , 2018, 73, 254-263.	0.8	14
32	Investigation of Re(VII) diffusion in bentonite by through-diffusion and modeling techniques. <i>Applied Clay Science</i> , 2018, 166, 223-229.	2.6	19
33	Development and application of carbon nanotubes reinforced hydroxyapatite composite in separation of Co(II) and Eu(III) ions from aqueous solutions. <i>Radiochimica Acta</i> , 2018, 107, 67-82.	0.5	8
34	Composite of nano-goethite and natural organic luffa sponge as template: Synergy of high efficiency adsorption and visible-light photocatalysis. <i>Inorganic Chemistry Communication</i> , 2018, 98, 115-119.	1.8	17
35	Facile preparation of hybrid porous polyanilines for highly efficient Cr(VI) removal. <i>RSC Advances</i> , 2018, 8, 33217-33227.	1.7	13
36	Rapid, Selective Extraction of Trace Amounts of Gold from Complex Water Mixtures with a Metal-Organic Framework (MOF)/Polymer Composite. <i>Journal of the American Chemical Society</i> , 2018, 140, 16697-16703.	6.6	195
37	Facile Synthesis of Boron Organic Polymers for Efficient Removal and Separation of Methylene Blue, Rhodamine B, and Rhodamine 6G. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16777-16787.	3.2	73
38	Metal-Organic Frameworks/Graphene-Based Materials: Preparations and Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1804950.	7.8	219

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40	Nanoporous of waste avian eggshell to reduce heavy metal and acidity in water. <i>Sustainable Chemistry and Pharmacy</i> , 2018, 10, 163-167.	1.6	20
41	Bifunctional Material with Organic Pollutant Removing and Antimicrobial Properties: Graphene Aerogel Decorated with Highly Dispersed Ag and CeO <sub>2</sub> Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16907-16919.	3.2	23
42	Effective Adsorption of Cefradine from Wastewater with a Stable Zirconium Metal-Organic Framework. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 15132-15137.	1.8	36
43	Decoration of ZIF-8 on polypyrrole nanotubes for highly efficient and selective capture of U(VI). <i>Journal of Cleaner Production</i> , 2018, 204, 896-905.	4.6	90
44	Quaternary Phosphonium Modified Hierarchically Macro/Mesoporous Silica for Fast Removal of Perrhenate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 13511-13518.	1.8	25
45	Recovery of phosphorus rich krill shell biowaste for uranium immobilization: A study of sorption behavior, surface reaction, and phase transformation. <i>Environmental Pollution</i> , 2018, 243, 630-636.	3.7	24
46	Water-Stable Metal-Organic Framework for Effective and Selective Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> Capture through Single-Crystal to Single-Crystal Anion Exchange. <i>Inorganic Chemistry</i> , 2018, 57, 11746-11752.	1.9	36
47	Macroscopic and microscopic investigation of uranium elimination by Ca-Mg-Al-layered double hydroxide supported nanoscale zero valent iron. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2657-2665.	3.0	66
48	Selective Immobilization of Highly Valent Radionuclides by Carboxyl Functionalized Mesoporous Silica Microspheres: Batch, XPS, and EXAFS Analyses. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15644-15652.	3.2	41
49	Designed functionalization of reduced graphene oxide for sorption of Cr(vi) over a wide pH range: a theoretical and experimental perspective. <i>New Journal of Chemistry</i> , 2018, 42, 16960-16971.	1.4	13
50	Hierarchical Ni-Al Layered Double Hydroxide In Situ Anchored onto Polyethylenimine-Functionalized Fibers for Efficient U(VI) Capture. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13385-13394.	3.2	45
51	Novel Smart Polymer-Brush-Modified Magnetic Graphene Oxide for Highly Efficient Chiral Recognition and Enantioseparation of Tryptophan Enantiomers. <i>ACS Applied Bio Materials</i> , 2018, 1, 1074-1083.	2.3	13
52	N, P, and S Codoped Graphene-Like Carbon Nanosheets for Ultrafast Uranium (VI) Capture with High Capacity. <i>Advanced Science</i> , 2018, 5, 1800235.	5.6	84
53	Highly efficient adsorption of uranium (U(VI)) from aqueous solution by a novel adsorbent: titanium phosphate nanotubes. <i>Environmental Science: Nano</i> , 2018, 5, 2304-2314.	2.2	29
54	Synthesis of rod-like metal-organic framework (MOF-5) nanomaterial for efficient removal of U(VI): batch experiments and spectroscopy study. <i>Science Bulletin</i> , 2018, 63, 831-839.	4.3	162
55	Development of an anion imprinted polymer for high and selective removal of arsenite from wastewater. <i>Science of the Total Environment</i> , 2018, 639, 110-117.	3.9	30
56	Phosphatidyl-assisted fabrication of graphene oxide nanosheets with multiple active sites for uranium(vi) capture. <i>Environmental Science: Nano</i> , 2018, 5, 1584-1594.	2.2	18

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57	Core-shell CMNP@PDAP nanocomposites for simultaneous removal of chromium and arsenic. <i>Chemical Engineering Journal</i> , 2018, 349, 481-490.	6.6	52
58	Metal-organic framework containing both azo and amide groups for effective U(VI) removal. <i>Journal of Solid State Chemistry</i> , 2018, 265, 148-154.	1.4	28
59	Interaction of U(VI) with amine-modified peanut shell studied by macroscopic and microscopic spectroscopy analysis. <i>Journal of Cleaner Production</i> , 2018, 195, 497-506.	4.6	28
60	Preparation of nano-FeO modified coal fly-ash composite and its application for U(VI) sequestration. <i>Journal of Molecular Liquids</i> , 2018, 266, 824-833.	2.3	21
61	Design and synthesis of core-shell Fe <sub>3</sub> O <sub>4</sub> @PTMT composite magnetic microspheres for adsorption of heavy metals from high salinity wastewater. <i>Chemosphere</i> , 2018, 206, 513-521.	4.2	69
62	A Polymerization-Cutting Strategy: Self-Protection Synthesis of Thiol-Based Nanoporous Adsorbents for Efficient Mercury Removal. <i>Chemistry - A European Journal</i> , 2018, 24, 14436-14441.	1.7	8
63	A novel magnetite nanorod-decorated Si-Schiff base complex for efficient immobilization of U(VI) and Pb(II) from water solutions. <i>Dalton Transactions</i> , 2018, 47, 11327-11336.	1.6	38
64	Effects of dissolved and fixed humic acid on Eu(III)/Yb(III) adsorption on aluminum hydroxide: A batch and spectroscopic study. <i>Chemical Engineering Journal</i> , 2018, 351, 203-209.	6.6	23
65	In Situ Growth of ZIF-8 on PAN Fibrous Filters for Highly Efficient U(VI) Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24164-24171.	4.0	175
66	A GO-CS@MOF [Zn(BDC)(DMF)] material for the adsorption of chromium(VI) ions from aqueous solution. <i>Composites Part B: Engineering</i> , 2018, 152, 116-125.	5.9	118
67	Efficient removal of hazardous lead, cadmium, and arsenic from aqueous environment by iron oxide modified clay-activated carbon composite beads. <i>Applied Clay Science</i> , 2018, 162, 339-350.	2.6	162
68	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> , 2018, 530, 154-162.	5.0	109
69	Bare indium tin oxide electrode for electrochemical sensing of toxic metal ion. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13858-13863.	1.1	6
70	Goal-Directed Design of Metal-Organic Frameworks for Hg <sup>II</sup> and Pb <sup>II</sup> Adsorption from Aqueous Solutions. <i>Chemistry - A European Journal</i> , 2018, 24, 17170-17179.	1.7	43
72	Selective prepared carbon nanomaterials for advanced photocatalytic application in environmental pollutant treatment and hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 408-424.	10.8	386
73	Recovery of scandium from sulfuric acid solution with a macro porous TRPO/SiO <sub>2</sub> -P adsorbent. <i>Hydrometallurgy</i> , 2018, 181, 74-81.	1.8	46
74	One-pot synthesis of novel magnetic three-dimensional graphene/chitosan/nickel ferrite nanocomposite for lead ions removal from aqueous solution: RSM modelling design. <i>Journal of Cleaner Production</i> , 2018, 201, 507-515.	4.6	70
75	Simultaneous elimination of cationic uranium(VI) and anionic rhenium(VII) by graphene oxide-poly(ethyleneimine) macrostructures: a batch, XPS, EXAFS, and DFT combined study. <i>Environmental Science: Nano</i> , 2018, 5, 2077-2087.	2.2	95

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76	Effective uranium biosorption by macrofungus ( <i>Russula sanguinea</i> ) from aqueous solution: equilibrium, thermodynamic and kinetic studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 1387-1397.	0.7	19
77	A new azo metal-organic framework showing polycatenated 3D array and ultrahigh U(VI) removal. <i>Journal of Solid State Chemistry</i> , 2018, 266, 244-249.	1.4	15
78	Water stable metal-organic framework as adsorbent from aqueous solution: A mini-review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 176-183.	2.7	60
79	Bayberry tannin immobilized bovine serum albumin nanospheres: characterization, irradiation stability and selective removal of uranyl ions from radioactive wastewater. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15359-15370.	5.2	74
80	Constructing sphere-like cobalt-molybdenum-nickel ternary hydroxide and calcined ternary oxide nanocomposites for efficient removal of U(VI) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2018, 352, 360-370.	6.6	88
81	Lead and uranium sorption characteristics on hydrothermal synthesized delta manganese dioxide. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 1399-1408.	0.7	8
82	Highly efficient Pb(II) and Cu(II) removal using hollow Fe <sub>3</sub> O <sub>4</sub> @PDA nanoparticles with excellent application capability and reusability. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2174-2182.	3.0	61
83	Adsorption of Lead on Sulfur-Doped Graphitic Carbon Nitride Nanosheets: Experimental and Theoretical Calculation Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10606-10615.	3.2	73
84	Water-Stable Nanoscale Zirconium-Based Metal-Organic Frameworks for the Effective Removal of Glyphosate from Aqueous Media. <i>ACS Omega</i> , 2018, 3, 7832-7839.	1.6	93
85	A novel U(VI)-imprinted graphitic carbon nitride composite for the selective and efficient removal of U(VI) from simulated seawater. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2218-2226.	3.0	36
87	Organoarsine Metal-Organic Framework with <i>cis</i> -Diarsine Pockets for the Installation of Uniquely Confined Metal Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 9806-9809.	6.6	29
88	Unexpected ultrafast and high adsorption of U(VI) and Eu(III) from solution using porous Al <sub>2</sub> O <sub>3</sub> microspheres derived from MIL-53. <i>Chemical Engineering Journal</i> , 2018, 353, 157-166.	6.6	170
89	Recent advances in layered double hydroxide-based nanomaterials for the removal of radionuclides from aqueous solution. <i>Environmental Pollution</i> , 2018, 240, 493-505.	3.7	391
90	Combining batch technique with theoretical calculation studies to analyze the highly efficient enrichment of U(VI) and Eu(III) on magnetic MnFe <sub>2</sub> O <sub>4</sub> nanocubes. <i>Chemical Engineering Journal</i> , 2018, 349, 347-357.	6.6	82
91	Polypyrrole modified Fe <sup>0</sup> -loaded graphene oxide for the enrichment of uranium(VI) from simulated seawater. <i>Dalton Transactions</i> , 2018, 47, 12984-12992.	1.6	20
92	Immobilization of potassium copper hexacyanoferrate in doubly crosslinked magnetic polymer bead for highly effective Cs <sup>+</sup> removal and facile recovery. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 48-56.	2.9	22
93	Green synthesis of porous $\beta$ -cyclodextrin polymers for rapid and efficient removal of organic pollutants and heavy metal ions from water. <i>New Journal of Chemistry</i> , 2018, 42, 16154-16161.	1.4	46
94	Sorption of cobalt by extraction chromatographic resin on the base of di-(tert-butylbenzo)-18-crown-6. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1085-1097.	0.7	17

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95	The insights from X-ray absorption spectroscopy into the local atomic structure and chemical bonding of Metal-organic frameworks. <i>Polyhedron</i> , 2018, 155, 232-253.	1.0	34
96	Efficient Removal of $U^{2+}$ , $Cs^{+}$ , and $Sr^{2+}$ Ions by Radiation-Resistant Gallium Thioantimonates. <i>Journal of the American Chemical Society</i> , 2018, 140, 11133-11140.	6.6	147
97	Combined experimental and theoretical investigation on selective removal of mercury ions by metal organic frameworks modified with thiol groups. <i>Chemical Engineering Journal</i> , 2018, 354, 790-801.	6.6	118
98	Multicomponent Model for the Prediction of Nuclear Waste/Rare-Earth Extraction Processes. <i>Langmuir</i> , 2018, 34, 10434-10447.	1.6	22
99	Macroscopic and molecular investigations of immobilization mechanism of uranium on biochar: EXAFS spectroscopy and static batch. <i>Journal of Molecular Liquids</i> , 2018, 269, 64-71.	2.3	23
100	Highly Efficient Photocatalytic Degradation of Dyes by a Copper-Triazolate Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2018, 24, 16804-16813.	1.7	81
101	Polymer-based nanocomposites for heavy metal ions removal from aqueous solution: a review. <i>Polymer Chemistry</i> , 2018, 9, 3562-3582.	1.9	418
102	Fabrication and characterization of $BiOBr:Yb^{3+},Er^{3+}/g-C_3N_4$ p-n junction photocatalysts with enhanced visible-NIR-light-driven photoactivities. <i>Separation and Purification Technology</i> , 2018, 206, 69-79.	3.9	68
103	A Versatile Microporous Zinc(II) Metal-Organic Framework for Selective Gas Adsorption, Cooperative Catalysis, and Luminescent Sensing. <i>Inorganic Chemistry</i> , 2018, 57, 7314-7320.	1.9	69
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105	A novel method for the synthesis of $Ag_3VO_4/Ag_2VO_2PO_4$ heterojunction photocatalysts with improved visible-light photocatalytic properties. <i>Separation and Purification Technology</i> , 2018, 206, 149-157.	3.9	55
106	Preparation of Polydopamine-Modified Graphene Oxide/Chitosan Aerogel for Uranium(VI) Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 8472-8483.	1.8	128
107	Turn-on fluorescent probe with aggregation-induced emission characteristics for polyazoles. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1779-1783.	3.2	26
108	Rational design of carbonaceous nanofiber/Ni-Al layered double hydroxide nanocomposites for high-efficiency removal of heavy metals from aqueous solutions. <i>Environmental Pollution</i> , 2018, 242, 1-11.	3.7	122
109	Swift sono-hydrothermal synthesis of pure NaX nanocrystals with improved sorption capacity from industrial resources. <i>Applied Surface Science</i> , 2019, 463, 190-196.	3.1	22
110	Effects of ionic strength on removal of toxic pollutants from aqueous media with multifarious adsorbents: A review. <i>Science of the Total Environment</i> , 2019, 646, 265-279.	3.9	171
111	Toxicity and mechanisms of action of titanium dioxide nanoparticles in living organisms. <i>Journal of Environmental Sciences</i> , 2019, 75, 40-53.	3.2	221
112	Tailored synthesis of SBA-15 rods using different types of acids and its application in adsorption of uranium. <i>Separation and Purification Technology</i> , 2019, 210, 491-496.	3.9	31

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113	Highly efficient uranium(VI) removal from aqueous solution using poly(cyclotriphosphazene-co-4,4'-diaminodiphenyl-ether) crosslinked microspheres. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 1093-1107.	0.7	13
114	Crystallographic Visualization of Postsynthetic Nickel Clusters into Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 13654-13663.	6.6	60
115	Sulphur functionalized materials for Hg(II) adsorption: A review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103350.	3.3	79
116	Extraction and adsorption of U(VI) from aqueous solution using affinity ligand-based technologies: an overview. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 437-452.	3.9	89
117	Hysteretic four-step spin-crossover in a 3D Hofmann-type metal-organic framework with aromatic guest. <i>Chemical Communications</i> , 2019, 55, 11033-11036.	2.2	47
118	Fast and Selective Removal of Aqueous Uranium by a K <sup>+</sup> -Activated Robust Zeolitic Sulfide with Wide pH Resistance. <i>Inorganic Chemistry</i> , 2019, 58, 11622-11629.	1.9	24
119	Synthesis of TiO <sub>2</sub> /nZVI nanocomposite for nitrate removal from aqueous solution. <i>International Journal of Industrial Chemistry</i> , 2019, 10, 225-236.	3.1	9
120	Design of a Multifunctional Indium-Organic Framework: Fluorescent Sensing of Nitro Compounds, Physical Adsorption, and Photocatalytic Degradation of Organic Dyes. <i>Inorganic Chemistry</i> , 2019, 58, 11220-11230.	1.9	71
121	Reticular Chemistry of Uranyl Phosphonates: Sterically Hindered Phosphonate Ligand Method is Significant for Constructing Zero-Dimensional Secondary Building Units. <i>Chemistry - A European Journal</i> , 2019, 25, 12567-12575.	1.7	18
122	Efficient removal of metal contaminants by EDTA modified MOF from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 403-412.	5.0	104
123	Effective Removal of Humic Acid from Aqueous Solution in an Al-Based Metal-Organic Framework. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 3624-3631.	1.0	21
124	Facile Synthesis of Fe-based MOFs(Fe-BTC) as Efficient Adsorbent for Water Purifications. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 564-569.	1.3	21
125	Mechanistic insight into the adsorption of diclofenac by MIL-100: Experiments and theoretical calculations. <i>Environmental Pollution</i> , 2019, 253, 616-624.	3.7	68
126	Heavy metal behaviour at mineral-organo interfaces: Mechanisms, modelling and influence factors. <i>Environment International</i> , 2019, 131, 104995.	4.8	123
127	Clean synthesis and characterization of green nanostructured polymeric thin films from endogenous Mg (II) ions coordinated methylolated-Cashew nutshell liquid. <i>Journal of Cleaner Production</i> , 2019, 238, 117716.	4.6	22
128	Carbon-coated Mg-Al layered double oxide nanosheets with enhanced removal of hexavalent chromium. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 53-64.	2.9	29
129	Radionuclide sequestration by metal-organic frameworks. , 2019, , 355-382.		1
130	Rapid and efficient ultrasonic-assisted removal of lead(II) in water using two copper- and zinc-based metal-organic frameworks. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107474.	1.8	27



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131	Nitrogen-doped porous carbon-based fluorescence sensor for the detection of ZIKV RNA sequences: fluorescence image analysis. <i>Talanta</i> , 2019, 205, 120091.	2.9	21
132	Insights into the use of metal complexes of thiourea derivatives as highly efficient adsorbents for ciprofloxacin from contaminated water. <i>Transactions of the Royal Society of South Africa</i> , 2019, 74, 180-188.	0.8	10
133	Single Crystal Perovskite Microplate for High-Order Multiphoton Excitation. <i>Small Methods</i> , 2019, 3, 1900396.	4.6	17
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135	An unusual self-catenated cationic metal-organic framework for the selective adsorption of anionic dyes. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107492.	1.8	8
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138	Shapeable three-dimensional CMC aerogels decorated with Ni/Co-MOF for rapid and highly efficient tetracycline hydrochloride removal. <i>Chemical Engineering Journal</i> , 2019, 375, 122076.	6.6	118
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404	Synthesis of bitter gourd-shaped nanoscaled hydroxyapatite and its adsorption property for heavy metal ions. <i>Materials Letters</i> , 2019, 241, 176-179.	1.3	21
405	Controlled Manipulation of Metal-Organic Framework Layers to Nanometer Precision Inside Large Mesochannels of Ordered Mesoporous Silica for Enhanced Removal of Bisphenol A from Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4328-4337.	4.0	36
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407	Cellulose and <i>Saccharomyces cerevisiae</i> Embark To Recover Europium from Phosphor Powder. <i>ACS Omega</i> , 2019, 4, 940-952.	1.6	31
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409	Evaluation of Co and Zn competitive sorption by zeolitic material synthesized from fly ash using <sup>60</sup> Co and <sup>65</sup> Zn as radioindicators. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 855-867.	0.7	15
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411	Effective removal of Cr(VI) by attapulgite-supported nanoscale zero-valent iron from aqueous solution: Enhanced adsorption and crystallization. <i>Chemosphere</i> , 2019, 221, 683-692.	4.2	126
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414	Immobilization of U(VI) on Hierarchical NiSiO <sub>3</sub> @MgAl and NiSiO <sub>3</sub> @NiAl Nanocomposites from Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3475-3486.	3.2	23
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416	Recent advances on porous organic frameworks for the adsorptive removal of hazardous materials. <i>Journal of Environmental Sciences</i> , 2019, 80, 169-185.	3.2	137
417	Photocatalytic and Filtration performance study of TiO <sub>2</sub> /CNTs-Filter for oil particle. <i>Chemical Engineering Research and Design</i> , 2019, 123, 72-78.	2.7	10
418	Synthesis and application of polymer-grafted nanocellulose/graphene oxide nano composite for the selective recovery of radionuclides from aqueous media. <i>Separation Science and Technology</i> , 2019, 54, 1453-1468.	1.3	11
419	Poly (amidoxime) modified magnetic activated carbon for chromium and thallium adsorption: Statistical analysis and regeneration. <i>Chemical Engineering Research and Design</i> , 2019, 121, 254-262.	2.7	58
420	Development of graphene oxide-cellulose acetate nanocomposite reverse osmosis membrane for seawater desalination. <i>Composites Part B: Engineering</i> , 2019, 161, 320-327.	5.9	96



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442	Metal-organic framework (MOF) showing both ultrahigh As(V) and As(III) removal from aqueous solution. <i>Journal of Solid State Chemistry</i> , 2019, 269, 264-270.	1.4	78
443	Gamma-ferric oxide nanoparticles decoration onto porous layered double oxide belts for efficient removal of uranyl. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 265-275.	5.0	49
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458	Synthesis of flexible cross-linked cryptomelane-type manganese oxide nanowire membranes and their application for U(VI) and Eu(III) elimination from solutions. <i>Chemical Engineering Journal</i> , 2020, 381, 122744.	6.6	89
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461	Cesium separation from radioactive waste by extraction and adsorption based on crown ethers and calixarenes. <i>Nuclear Engineering and Technology</i> , 2020, 52, 328-336.	1.1	91
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476	Removal of fluoride from fertilizer industry effluent using carbon nanotubes stabilized in chitosan sponge. <i>Journal of Hazardous Materials</i> , 2020, 388, 122042.	6.5	74
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