

## List of Publications by Year in descending order

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111  
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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Microorganism-derived carbon microspheres for uranium removal from aqueous solution. Chemical Engineering Journal, 2016, 284, 630-639.	12.7	115
2	Schiff base anchored on metal-organic framework for Co (II) removal from aqueous solution. Chemical Engineering Journal, 2017, 326, 691-699.	12.7	105
3	Pillar[5]arene-based phosphine oxides: novel ionophores for solvent extraction separation of f-block elements from acidic media. RSC Advances, 2013, 3, 12376.	3.6	101
4	Preparation, structure, and properties of an AlCrMoNbZr high-entropy alloy coating for accident-tolerant fuel cladding. Surface and Coatings Technology, 2018, 347, 13-19.	4.8	95
5	A novel ion-imprinted polymer induced by the glycyglycine modified metal-organic framework for the selective removal of Co(II) from aqueous solutions. Chemical Engineering Journal, 2018, 333, 280-288.	12.7	80
6	Biosorption of uranium on Bacillus sp. dwc-2: preliminary investigation on mechanism. Journal of Environmental Radioactivity, 2014, 135, 6-12.	1.7	77
7	Preparation, structure, and properties of high-entropy alloy multilayer coatings for nuclear fuel cladding: A case study of AlCrMoNbZr/(AlCrMoNbZr)N. Journal of Nuclear Materials, 2018, 512, 15-24.	2.7	65
8	Synthesis of amidoximated graphene oxide nanoribbons from unzipping of multiwalled carbon nanotubes for selective separation of uranium( $\text{U}^{6+}$ ). RSC Advances, 2015, 5, 89309-89318.	3.6	60
9	Glycine derivative-functionalized metal-organic framework (MOF) materials for Co(II) removal from aqueous solution. Applied Surface Science, 2019, 466, 903-910.	6.1	54
10	Competition/Cooperation between Humic Acid and Graphene Oxide in Uranyl Adsorption Implicated by Molecular Dynamics Simulations. Environmental Science & Technology, 2019, 53, 5102-5110.	10.0	53
11	Interface stability, mechanical and corrosion properties of AlCrMoNbZr/(AlCrMoNbZr)N high-entropy alloy multilayer coatings under helium ion irradiation. Applied Surface Science, 2019, 485, 108-118.	6.1	49
12	Biosorption of americium-241 by Saccharomyces cerevisiae. Journal of Radioanalytical and Nuclear Chemistry, 2002, 252, 187-191.	1.5	46
13	Bioaccumulation characterization of uranium by a novel Streptomyces sporoverrucosus dwc-3. Journal of Environmental Sciences, 2016, 41, 162-171.	6.1	46
14	Research on X-ray shielding performance of wearable Bi/Ce-natural leather composite materials. Journal of Hazardous Materials, 2020, 398, 122943.	12.4	39
15	U(VI) adsorption onto cetyltrimethylammonium bromide modified bentonite in the presence of U(VI)-CO <sub>3</sub> complexes. Applied Clay Science, 2017, 135, 64-74.	5.2	38
16	Adsorption and desorption of uranium (VI) in aerated zone soil. Journal of Environmental Radioactivity, 2013, 115, 143-150.	1.7	37
17	Characteristics of uranium biosorption from aqueous solutions on fungus Pleurotus ostreatus. Environmental Science and Pollution Research, 2016, 23, 24846-24856.	5.3	36
18	Understanding the Effect of pH on the Solubility and Aggregation Extent of Humic Acid in Solution by Combining Simulation and the Experiment. Environmental Science & Technology, 2022, 56, 917-927.	10.0	35

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19	A simple and convenient method for production of $^{89}\text{Zr}$ with high purity. <i>Applied Radiation and Isotopes</i> , 2016, 118, 326-330.	1.5	34
20	Dynamics of Humic Acid and Its Interaction with Uranyl in the Presence of Hydrophobic Surface Implicated by Molecular Dynamics Simulations. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11121-11128.	10.0	34
21	Pillar[5]arenes bearing phosphine oxide pendants as $\text{Hg}^{2+}$ selective receptors. <i>Talanta</i> , 2014, 125, 322-328.	5.5	33
22	U-phosphate biomineralization induced by <i>Bacillus</i> sp. dw-2 in the presence of organic acids. <i>Nuclear Engineering and Technology</i> , 2019, 51, 1322-1332.	2.3	32
23	Microbial reduction of uranium (VI) by <i>Bacillus</i> sp. dwc-2: A macroscopic and spectroscopic study. <i>Journal of Environmental Sciences</i> , 2017, 53, 9-15.	6.1	31
24	A novel activated sludge-graphene oxide composites for the removal of uranium(VI) from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2018, 271, 786-794.	4.9	31
25	Lightweight and Flexible Bi@Bi-La Natural Leather Composites with Superb X-ray Radiation Shielding Performance and Low Secondary Radiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54117-54126.	8.0	31
26	Synthesis and Preliminary Evaluation of $^{131}\text{I}$ -Labeled FAPI Tracers for Cancer Theranostics. <i>Molecular Pharmaceutics</i> , 2021, 18, 4179-4187.	4.6	31
27	A novel freeze-dried natural microalga powder for highly efficient removal of uranium from wastewater. <i>Chemosphere</i> , 2021, 282, 131084.	8.2	31
28	Biosorption behavior and mechanism of cesium-137 on <i>Rhodospiridium fluviale</i> strain UA2 isolated from cesium solution. <i>Journal of Environmental Radioactivity</i> , 2014, 134, 6-13.	1.7	30
29	Correlation between the microstructure, mechanical/thermal properties, and thermal shock resistance of K-doped tungsten alloys. <i>Journal of Nuclear Materials</i> , 2019, 520, 6-18.	2.7	29
30	Sorption of selenite on Tamusu clay in simulated groundwater with high salinity under aerobic/anaerobic conditions. <i>Journal of Environmental Radioactivity</i> , 2019, 203, 210-219.	1.7	29
31	Solvent extraction of thorium( $\text{IV}$ ) and rare earth elements with novel polyamide extractant containing preorganized chelating groups. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1930-1936.	3.2	28
32	Adsorption of U(VI) on a chitosan/polyaniline composite in the presence of Ca/Mg-U(VI)- $\text{CO}_3$ complexes. <i>Hydrometallurgy</i> , 2018, 175, 300-311.	4.3	28
33	Design of highly thermal-shock resistant tungsten alloys with nanoscaled intra- and inter-type K bubbles. <i>Journal of Alloys and Compounds</i> , 2019, 782, 149-159.	5.5	28
34	Adsorption of U(VI) from eutrophic aqueous solutions in a U(VI)- $\text{P-CO}_3$ system with hydrous titanium dioxide supported by polyacrylonitrile fiber. <i>Hydrometallurgy</i> , 2019, 183, 29-37.	4.3	27
35	Preparation and thermal shock characterization of yttrium doped tungsten-potassium alloy. <i>Journal of Alloys and Compounds</i> , 2016, 686, 298-305.	5.5	26
36	Preparation and characterization of $\text{Al}_2\text{O}_3$ coating by MOD method on CLF-1 RAFM steel. <i>Journal of Nuclear Materials</i> , 2017, 487, 280-287.	2.7	26

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37	Removal of Co(II) from aqueous solution with Zr-based magnetic metal-organic framework composite. <i>Inorganica Chimica Acta</i> , 2018, 483, 488-495.	2.4	26
38	A radiopharmaceutical [ <sup>89</sup> Zr]Zr-DFO-nimotuzumab for immunoPET with epidermal growth factor receptor expression in vivo. <i>Nuclear Medicine and Biology</i> , 2019, 70, 23-31.	0.6	25
39	Lightweight and Wearable X-ray Shielding Material with Biological Structure for Low Secondary Radiation and Metabolic Saving Performance. <i>Advanced Materials Technologies</i> , 2020, 5, 2000240.	5.8	25
40	Uranium(VI) sorption on graphene oxide nanoribbons derived from unzipping of multiwalled carbon nanotubes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 1329-1337.	1.5	24
41	Effect of potassium doping on the thermal shock behavior of tungsten. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 51, 19-24.	3.8	23
42	Biosorption behavior and mechanism of thorium on <i>Streptomyces sporoverrucosus</i> dwc-3. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 237-245.	1.5	22
43	Effect of humic acid on uranium(VI) retention and transport through quartz columns with varying pH and anion type. <i>Journal of Environmental Radioactivity</i> , 2017, 177, 142-150.	1.7	22
44	Biosorption of <sup>241</sup> Am by <i>Saccharomyces cerevisiae</i> : Preliminary investigation on mechanism. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 275, 173-180.	1.5	21
45	Microstructure and bubble formation of Al <sup>3+</sup> -Si doped tungsten prepared by spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016, 54, 335-341.	3.8	20
46	Flexible surface-supported MOF membrane via a convenient approach for efficient iodine adsorption. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 1167-1177.	1.5	20
47	U(VI) adsorption by one-step hydrothermally synthesized cetyltrimethylammonium bromide modified hydroxyapatite-bentonite composites from phosphate-carbonate coexisted solution. <i>Applied Clay Science</i> , 2021, 203, 106027.	5.2	20
48	Functionalized hydrothermal carbon derived from waste pomelo peel as solid-phase extractant for the removal of uranyl from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22321-22331.	5.3	19
49	Astatine-211 labeling of protein using TCP as a bi-functional linker: synthesis and preliminary evaluation in vivo and in vitro. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 71-77.	1.5	17
50	Preparation and characterization of potassium doped tungsten. <i>Journal of Nuclear Materials</i> , 2013, 440, 414-419.	2.7	17
51	The dynamic behavior and mechanism of uranium (VI) biomineralization in <i>Enterobacter</i> sp. X57. <i>Chemosphere</i> , 2022, 298, 134196.	8.2	17
52	Mechanism of thorium biosorption by the cells of the soil fungal isolate <i>Geotrichum</i> sp. dwc-1. <i>Radiochimica Acta</i> , 2014, 102, 175-184.	1.2	16
53	Characterization of uranium bioaccumulation on a fungal isolate <i>Geotrichum</i> sp. dwc-1 as investigated by FTIR, TEM and XPS. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 165-175.	1.5	16
54	The influence of humic substances on uranium biomineralization induced by <i>Bacillus</i> sp. dwc-2. <i>Journal of Environmental Radioactivity</i> , 2019, 197, 23-29.	1.7	16

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55	In vitro and in vivo evaluation of <sup>211</sup> At-labeled fibroblast activation protein inhibitor for glioma treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 55, 116600.	3.0	16
56	Recent progress of astatine-211 in endoradiotherapy: Great advances from fundamental properties to targeted radiopharmaceuticals. <i>Chinese Chemical Letters</i> , 2022, 33, 3325-3338.	9.0	16
57	Effect of molybdenum doping on the microstructure, micro-hardness and thermal shock behavior of W K Mo Ti Y alloy. <i>Journal of Alloys and Compounds</i> , 2016, 678, 533-540.	5.5	15
58	Biosorption of americium-241 by immobilized <i>Rhizopus arrhizus</i> . <i>Applied Radiation and Isotopes</i> , 2004, 60, 1-5.	1.5	14
59	One-step labelling of a novel small-molecule peptide with astatine-211: preliminary evaluation in vitro and in vivo. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 451-456.	1.5	14
60	MnO <sub>2</sub> -loaded microorganism-derived carbon for U(VI) adsorption from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3697-3705.	5.3	14
61	Removal of Co(II) from Aqueous Solutions by Pyridine Schiff Base-Functionalized Zirconium-Based MOFs: A Combined Experimental and DFT Study on the Effect of <i>ortho</i> -, <i>meta</i> -, and <i>para</i> -Substitution. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 749-760.	1.9	14
62	Effect of the Ar/N <sub>2</sub> flow ratio on the microstructure, mechanical properties, and high-temperature steam oxidation behavior of Cr/CrxN coatings for accident-tolerant fuel coatings. <i>Corrosion Science</i> , 2021, 192, 109833.	6.6	14
63	Biosorption of <sup>241</sup> Am by immobilized <i>Saccharomyces cerevisiae</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 258, 59-63.	1.5	13
64	TiN films fabricated by reactive gas pulse sputtering: A hybrid design of multilayered and compositionally graded structures. <i>Applied Surface Science</i> , 2016, 389, 255-259.	6.1	13
65	Removal of Co(II) from aqueous solution with functionalized metal-organic frameworks (MOFs) composite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 827-838.	1.5	13
66	Preliminary investigation on biosorption mechanism of <sup>241</sup> Am by <i>Rhizopus arrhizus</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 277, 329-336.	1.5	12
67	A computational study on the complexation of Np( <i>v</i> ) with N,N,N',N'-tetramethyl-3-oxa-glutaramide (TMOGA) and its carboxylate analogs. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16536-16546.	2.8	12
68	Improving the adsorption ability of graphene sheets to uranium through chemical oxidation, electrolysis and ball-milling. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 1095-1102.	1.5	12
69	Astatine-211 labeling of insulin: Synthesis and preliminary evaluation in vivo and in vitro. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 272, 85-90.	1.5	11
70	The removal of uranium(VI) from aqueous solution by graphene oxide-carbon nanotubes hybrid aerogels. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 303, 1835.	1.5	11
71	Chemical compatibility between the $\hat{\pm}$ -Al <sub>2</sub> O <sub>3</sub> tritium permeation barrier and Li <sub>4</sub> SiO <sub>4</sub> tritium breeder. <i>Surface and Coatings Technology</i> , 2021, 410, 126960.	4.8	11
72	Sorption of <sup>241</sup> Am by <i>Aspergillus niger</i> spore and hyphae. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 260, 659-663.	1.5	10

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73	Radioiodination of insulin using N-succinimidyl 5-(tributylstannyl)-3-pyridine-carboxylate (SPC) as a bi-functional linker: Synthesis and biodistribution in mice. Journal of Radioanalytical and Nuclear Chemistry, 2006, 268, 205-210.	1.5	10
74	Adsorption behavior of U(VI) on doped polyaniline: the effects of carbonate and its complexes. Radiochimica Acta, 2018, 106, 437-452.	1.2	10
75	Influence of Al <sub>2</sub> O <sub>3</sub> overlay on corrosion resistance of plasma sprayed yttria-stabilized zirconia coating in NaCl-KCl molten salt. Surface and Coatings Technology, 2019, 361, 432-437.	4.8	10
76	Effect of thermal cycles on structure and deuterium permeation of Al <sub>2</sub> O <sub>3</sub> coating prepared by MOD method. Fusion Engineering and Design, 2020, 159, 111750.	1.9	10
77	Efficient removal of Co(II) from aqueous solution by flexible metal-organic framework membranes. Journal of Molecular Liquids, 2021, 324, 114718.	4.9	10
78	Synthesis and characterization of waste commercially available polyacrylonitrile fiber-based new composites for efficient removal of uranyl from U(VI)-CO <sub>3</sub> solutions. Science of the Total Environment, 2022, 822, 153507.	8.0	10
79	Improved irradiation tolerance of reactive gas pulse sputtered TiN coatings with a hybrid architecture of multilayered and compositionally graded structures. Journal of Nuclear Materials, 2018, 501, 388-397.	2.7	8
80	Surface morphology and microstructure evolution of trace titanium and yttrium in W-K-Mo-Ti-Y alloys under transient heat loads. International Journal of Refractory Metals and Hard Materials, 2018, 75, 299-305.	3.8	8
81	High thermal shock resistance realized by Ti/TiH <sub>2</sub> doped tungsten-potassium alloys. Journal of Alloys and Compounds, 2019, 780, 388-399.	5.5	8
82	Room-temperature tensile strength and thermal shock behavior of spark plasma sintered W-K-TiC alloys. Nuclear Engineering and Technology, 2019, 51, 190-197.	2.3	8
83	Improved corrosion resistance of reactive gas pulse sputtered (TiTaNbZrNi)N high entropy alloy coatings with a hybrid architecture of multilayered and compositionally graded structures. Journal of Nuclear Materials, 2021, 543, 152558.	2.7	8
84	PET imaging of VEGFR and integrins in glioma tumor xenografts using <sup>89</sup> Zr labelled heterodimeric peptide. Bioorganic and Medicinal Chemistry, 2022, 59, 116677.	3.0	8
85	Performance and mechanism of anaerobic granular sludge enhancing uranium immobilization via extracellular polymeric substances in column reactors and batch experiments. Journal of Cleaner Production, 2022, 363, 132517.	9.3	8
86	Preparation and preliminary evaluation of <sup>211</sup> At-labeled amidobisphosphonates. Journal of Radioanalytical and Nuclear Chemistry, 2010, 283, 329-335.	1.5	7
87	Fabrication of homogenous multilayered W films by multi-step sputtering deposition: a novel grain boundary enrichment strategy. Nanotechnology, 2015, 26, 445603.	2.6	7
88	Improved irradiation tolerance of W thin films with homogeneously multilayered structure. Surface and Coatings Technology, 2017, 313, 230-235.	4.8	7
89	Recrystallization behavior after annealing and thermal shock tests of W-K-TiC alloy. Fusion Engineering and Design, 2017, 122, 223-227.	1.9	7
90	Sorption behavior of Eu(III) on Tamusu clay under strong ionic strength: Batch experiments and BSE/EDS analysis. Nuclear Engineering and Technology, 2021, 53, 164-171.	2.3	7

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91	Indium-111 labeled bleomycin for targeting diagnosis and therapy of liver tumor: optimized preparation, biodistribution and SPECT imaging with xenograft models. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 545-551.	1.5	6
92	Sorption of cesium on Tamusu clay in synthetic groundwater with high ionic strength. <i>Radiochimica Acta</i> , 2020, 108, 287-296.	1.2	6
93	Different Fe(Al) transition coatings on the performance of Al <sub>2</sub> O <sub>3</sub> coating. <i>Fusion Engineering and Design</i> , 2020, 160, 111835.	1.9	6
94	Aluminum phosphate sealing to improve deuterium permeation resistance of $\hat{\pm}$ -Al <sub>2</sub> O <sub>3</sub> coating prepared by MOD method. <i>Surface and Coatings Technology</i> , 2021, 419, 127298.	4.8	6
95	Fabrication and Helium Irradiation of Potassium-Doped Tungsten. <i>Fusion Science and Technology</i> , 2014, 66, 278-282.	1.1	5
96	Irradiation effects of H/He neutral beam on different forged tungsten materials. <i>Tungsten</i> , 2019, 1, 169-177.	4.8	5
97	Preliminary in vitro comparison of <sup>111</sup> In and <sup>131</sup> I labeled nimotuzumabs. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 328, 527-537.	1.5	5
98	Simple and efficient method for producing high radionuclidic purity <sup>111</sup> In using enriched <sup>112</sup> Cd target. <i>Applied Radiation and Isotopes</i> , 2021, 176, 109828.	1.5	5
99	Astatine-211 labelled a small molecule peptide: specific cell killing <i>in vitro</i> and targeted therapy in a nude-mouse model. <i>Radiochimica Acta</i> , 2021, 109, 119-126.	1.2	5
100	Suppression of surface roughening kinetics of homogeneously multilayered W films. <i>Journal of Applied Physics</i> , 2015, 118, 175301.	2.5	4
101	Effect of Au-ion irradiation on the microstructure and deuterium permeation resistance of the Al <sub>2</sub> O <sub>3</sub> prepared by the MOD method. <i>Surface and Coatings Technology</i> , 2021, 423, 127616.	4.8	4
102	Combining the K-bubble strengthening and Y-doping: Microstructure, mechanical/thermal properties, and thermal shock behavior of W-K-Y alloys. <i>International Journal of Refractory Metals and Hard Materials</i> , 2022, 103, 105739.	3.8	4
103	Adsorption and migration of <sup>241</sup> Am in aerated zone soil. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 274, 593-601.	1.5	3
104	A self-assembled supramolecular organic material for selective extraction of uranium from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 329, 289-300.	1.5	3
105	Superconductivity induced by U doping in the SmFeAsO system. <i>Physical Review B</i> , 2013, 87, .	3.2	2
106	Surface dynamics transition during the growth of compositionally graded Cr <sub>N</sub> films. <i>Applied Physics Letters</i> , 2014, 104, 031602.	3.3	2
107	Multi-scale characterization of surface blistering morphology of helium irradiated W thin films. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2015, 358, 124-130.	1.4	2
108	Evaluation of U(VI) adsorption from Ca <sup>2+</sup> coexisted bicarbonate solution by synthetic inorganic and mineral materials. <i>Radiochimica Acta</i> , 2020, 108, 955-965.	1.2	2

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109	Highly selective extraction of Pd(II) with 5-octyloxymethyl-7-bromo-8-quinolinol from acidic solution. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 59-67.	1.5	0
110	Production of <sup>98</sup> Tc with high isotopic purity. Applied Radiation and Isotopes, 2020, 160, 109133.	1.5	0
111	A novel theranostic probe [ <sup>111</sup> In]In-DO3A-NHS-nimotuzumab in glioma xenograft. Radiochimica Acta, 2022, .	1.2	0