

Jiali

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9158793/publications.pdf>

Version: 2024-02-01

111
papers

2,497
citations

186265
28
h-index

265206
42
g-index

111
all docs

111
docs citations

111
times ranked

1990
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining the K-bubble strengthening and Y-doping: Microstructure, mechanical/thermal properties, and thermal shock behavior of W-K-Y alloys. International Journal of Refractory Metals and Hard Materials, 2022, 103, 105739.	3.8	4
2	In vitro and in vivo evaluation of ²¹¹ At-labeled fibroblast activation protein inhibitor for glioma treatment. Bioorganic and Medicinal Chemistry, 2022, 55, 116600.	3.0	16
3	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
4	Synthesis and characterization of waste commercially available polyacrylonitrile fiber-based new composites for efficient removal of uranyl from U(VI)â€“CO ₃ solutions. Science of the Total Environment, 2022, 822, 153507.	8.0	10
5	Recent progress of astatine-211 in endoradiotherapy: Great advances from fundamental properties to targeted radiopharmaceuticals. Chinese Chemical Letters, 2022, 33, 3325-3338.	9.0	16
6	A novel theranostic probe [¹¹¹ In]In-DO3A-NHS-nimotuzumab in glioma xenograft. Radiochimica Acta, 2022, .	1.2	0
7	PET imaging of VEGFR and integrins in glioma tumor xenografts using ⁸⁹ Zr labelled heterodimeric peptide. Bioorganic and Medicinal Chemistry, 2022, 59, 116677.	3.0	8
8	The dynamic behavior and mechanism of uranium (VI) biomineralization in Enterobacter sp. X57. Chemosphere, 2022, 298, 134196.	8.2	17
9	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
10	Sorption behavior of Eu(â€“f) on Tamusu clay under strong ionic strength: Batch experiments and BSE/EDS analysis. Nuclear Engineering and Technology, 2021, 53, 164-171.	2.3	7
11	Efficient removal of Co(II) from aqueous solution by flexible metal-organic framework membranes. Journal of Molecular Liquids, 2021, 324, 114718.	4.9	10
12	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. Journal of Chemical & Engineering Data, 2021, 66, 749-760.	1.9	14
13	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
14	U(VI) adsorption by one-step hydrothermally synthesized cetyltrimethylammonium bromide modified hydroxyapatite-bentonite composites from phosphateâ€“carbonate coexisted solution. Applied Clay Science, 2021, 203, 106027.	5.2	20
15	Chemical compatibility between the $\hat{\pm}$ -Al ₂ O ₃ tritium permeation barrier and Li ₄ SiO ₄ tritium breeder. Surface and Coatings Technology, 2021, 410, 126960.	4.8	11
16	Preliminary in vitro comparison of ¹¹¹ In and ¹³¹ I labeled nimotuzumabs. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 527-537.	1.5	5
17	A self-assembled supramolecular organic material for selective extraction of uranium from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 289-300.	1.5	3
18	Aluminum phosphate sealing to improve deuterium permeation resistance of $\hat{\pm}$ -Al ₂ O ₃ coating prepared by MOD method. Surface and Coatings Technology, 2021, 419, 127298.	4.8	6

#	ARTICLE	IF	CITATIONS
19	Synthesis and Preliminary Evaluation of ¹³¹ I-Labeled FAPI Tracers for Cancer Theranostics. <i>Molecular Pharmaceutics</i> , 2021, 18, 4179-4187.	4.6	31
20	Simple and efficient method for producing high radionuclidic purity ¹¹¹ In using enriched ¹¹² Cd target. <i>Applied Radiation and Isotopes</i> , 2021, 176, 109828.	1.5	5
21	Effect of Au-ion irradiation on the microstructure and deuterium permeation resistance of the Al ₂ O ₃ prepared by the MOD method. <i>Surface and Coatings Technology</i> , 2021, 423, 127616.	4.8	4
22	A novel freeze-dried natural microalga powder for highly efficient removal of uranium from wastewater. <i>Chemosphere</i> , 2021, 282, 131084.	8.2	31
23	Effect of the Ar/N ₂ 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
24	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
25	Sorption of cesium on Tamusu clay in synthetic groundwater with high ionic strength. <i>Radiochimica Acta</i> , 2020, 108, 287-296.	1.2	6
26	Lightweight and Flexible Bi@Bi-La Natural Leather Composites with Superb X-ray Radiation Shielding Performance and Low Secondary Radiation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54117-54126.	8.0	31
27	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
28	Effect of thermal cycles on structure and deuterium permeation of Al ₂ O ₃ coating prepared by MOD method. <i>Fusion Engineering and Design</i> , 2020, 159, 111750.	1.9	10
29	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
30	Research on X-ray shielding performance of wearable Bi/Ce-natural leather composite materials. <i>Journal of Hazardous Materials</i> , 2020, 398, 122943.	12.4	39
31	Production of ⁹⁸ Tc with high isotopic purity. <i>Applied Radiation and Isotopes</i> , 2020, 160, 109133.	1.5	0
32	Different Fe(Al) transition coatings on the performance of Al ₂ O ₃ coating. <i>Fusion Engineering and Design</i> , 2020, 160, 111835.	1.9	6
33	Evaluation of U(VI) adsorption from Ca ²⁺ coexisted bicarbonate solution by synthetic inorganic and mineral materials. <i>Radiochimica Acta</i> , 2020, 108, 955-965.	1.2	2
34	Irradiation effects of H/He neutral beam on different forged tungsten materials. <i>Tungsten</i> , 2019, 1, 169-177.	4.8	5
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Influence of Al ₂ O ₃ overlay on corrosion resistance of plasma sprayed yttria-stabilized zirconia coating in NaCl-KCl molten salt. <i>Surface and Coatings Technology</i> , 2019, 361, 432-437.	4.8	10
38	Interface stability, mechanical and corrosion properties of AlCrMoNbZr/(AlCrMoNbZr) _N high-entropy alloy multilayer coatings under helium ion irradiation. <i>Applied Surface Science</i> , 2019, 485, 108-118.	6.1	49
39	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
40	A radiopharmaceutical [⁸⁹ 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
41	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
42	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
43	Competition/Cooperation between Humic Acid and Graphene Oxide in Uranyl Adsorption Implicated by Molecular Dynamics Simulations. <i>Environmental Science & Technology</i> , 2019, 53, 5102-5110.	10.0	53
44	High thermal shock resistance realized by Ti/TiH ₂ doped tungsten-potassium alloys. <i>Journal of Alloys and Compounds</i> , 2019, 780, 388-399.	5.5	8
45	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
46	Glycine derivative-functionalized metal-organic framework (MOF) materials for Co(II) removal from aqueous solution. <i>Applied Surface Science</i> , 2019, 466, 903-910.	6.1	54
47	Room-temperature tensile strength and thermal shock behavior of spark plasma sintered W-K-TiC alloys. <i>Nuclear Engineering and Technology</i> , 2019, 51, 190-197.	2.3	8
48	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
49	MnO ₂ -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
50	Adsorption of U(VI) from eutrophic aqueous solutions in a U(VI)-P-CO ₃ system with hydrous titanium dioxide supported by polyacrylonitrile fiber. <i>Hydrometallurgy</i> , 2019, 183, 29-37.	4.3	27
51	Preparation, structure, and properties of an AlCrMoNbZr high-entropy alloy coating for accident-tolerant fuel cladding. <i>Surface and Coatings Technology</i> , 2018, 347, 13-19.	4.8	95
52	Adsorption behavior of U(VI) on doped polyaniline: the effects of carbonate and its complexes. <i>Radiochimica Acta</i> , 2018, 106, 437-452.	1.2	10
53	Improved irradiation tolerance of reactive gas pulse sputtered TiN coatings with a hybrid architecture of multilayered and compositionally graded structures. <i>Journal of Nuclear Materials</i> , 2018, 501, 388-397.	2.7	8
54	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

#	ARTICLE	IF	CITATIONS
55	A novel ion-imprinted polymer induced by the glycyglycine modified metal-organic framework for the selective removal of Co(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2018, 333, 280-288.	12.7	80
56	Adsorption of U(VI) on a chitosan/polyaniline composite in the presence of Ca/Mg-U(VI)-CO ₃ complexes. <i>Hydrometallurgy</i> , 2018, 175, 300-311.	4.3	28
57	Preparation, structure, and properties of high-entropy alloy multilayer coatings for nuclear fuel cladding: A case study of AlCrMoNbZr/(AlCrMoNbZr) _N . <i>Journal of Nuclear Materials</i> , 2018, 512, 15-24.	2.7	65
58	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
59	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
60	Surface morphology and microstructure evolution of trace titanium and yttrium in W-K-Mo-Ti-Y alloys under transient heat loads. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 75, 299-305.	3.8	8
61	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
62	Preparation and characterization of Al ₂ O ₃ coating by MOD method on CLF-1 RAFM steel. <i>Journal of Nuclear Materials</i> , 2017, 487, 280-287.	2.7	26
63	Improved irradiation tolerance of W thin films with homogeneously multilayered structure. <i>Surface and Coatings Technology</i> , 2017, 313, 230-235.	4.8	7
64	Recrystallization behavior after annealing and thermal shock tests of W-K-TiC alloy. <i>Fusion Engineering and Design</i> , 2017, 122, 223-227.	1.9	7
65	Highly selective extraction of Pd(II) with 5-octyloxymethyl-7-bromo-8-quinolinol from acidic solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 59-67.	1.5	0
66	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
67	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
68	Schiff base anchored on metal-organic framework for Co (II) removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2017, 326, 691-699.	12.7	105
69	U(VI) adsorption onto cetyltrimethylammonium bromide modified bentonite in the presence of U(VI)-CO ₃ complexes. <i>Applied Clay Science</i> , 2017, 135, 64-74.	5.2	38
70	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
71	Characteristics of uranium biosorption from aqueous solutions on fungus <i>Pleurotus ostreatus</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 24846-24856.	5.3	36
72	A simple and convenient method for production of ⁸⁹ Zr with high purity. <i>Applied Radiation and Isotopes</i> , 2016, 118, 326-330.	1.5	34

#	ARTICLE	IF	CITATIONS
73	Dynamics of Humic Acid and Its Interaction with Uranyl in the Presence of Hydrophobic Surface Implicated by Molecular Dynamics Simulations. <i>Environmental Science & Technology</i> , 2016, 50, 11121-11128.	10.0	34
74	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
75	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
76	Characterization of uranium bioaccumulation on a fungal isolate <i>Geotrichum sp. dwc-1</i> as investigated by FTIR, TEM and XPS. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 165-175.	1.5	16
77	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
78	Microorganism-derived carbon microspheres for uranium removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2016, 284, 630-639.	12.7	115
79	Microstructure and bubble formation of Al ³⁺ /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
80	Bioaccumulation characterization of uranium by a novel <i>Streptomyces sporoverrucosus dwc-3</i> . <i>Journal of Environmental Sciences</i> , 2016, 41, 162-171.	6.1	46
81	Suppression of surface roughening kinetics of homogenously multilayered W films. <i>Journal of Applied Physics</i> , 2015, 118, 175301.	2.5	4
82	Fabrication of homogenous multilayered W films by multi-step sputtering deposition: a novel grain boundary enrichment strategy. <i>Nanotechnology</i> , 2015, 26, 445603.	2.6	7
83	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
84	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
85	Synthesis of amidoximated graphene oxide nanoribbons from unzipping of multiwalled carbon nanotubes for selective separation of uranium(^{VI}). <i>RSC Advances</i> , 2015, 5, 89309-89318.	3.6	60
86	Multi-scale characterization of surface blistering morphology of helium irradiated W thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 358, 124-130.	1.4	2
87	Mechanism of thorium biosorption by the cells of the soil fungal isolate <i>Geotrichum sp. dwc-1</i> . <i>Radiochimica Acta</i> , 2014, 102, 175-184.	1.2	16
88	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
89	Surface dynamics transition during the growth of compositionally graded Cr _N x films. <i>Applied Physics Letters</i> , 2014, 104, 031602.	3.3	2
90	Pillar[5]arenes bearing phosphine oxide pendants as Hg ²⁺ selective receptors. <i>Talanta</i> , 2014, 125, 322-328.	5.5	33

#	ARTICLE	IF	CITATIONS
91	A computational study on the complexation of Np(V) 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
92	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
93	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
94	Biosorption of uranium on <i>Bacillus</i> sp. dwc-2: preliminary investigation on mechanism. <i>Journal of Environmental Radioactivity</i> , 2014, 135, 6-12.	1.7	77
95	Fabrication and Helium Irradiation of Potassium-Doped Tungsten. <i>Fusion Science and Technology</i> , 2014, 66, 278-282.	1.1	5
96	Pillar[5]arene-based phosphine oxides: novel ionophores for solvent extraction separation of f-block elements from acidic media. <i>RSC Advances</i> , 2013, 3, 12376.	3.6	101
97	Preparation and characterization of potassium doped tungsten. <i>Journal of Nuclear Materials</i> , 2013, 440, 414-419.	2.7	17
98	Superconductivity induced by U doping in the SmFeAsO system. <i>Physical Review B</i> , 2013, 87, .	3.2	2
99	Solvent extraction of thorium(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
100	Adsorption and desorption of uranium (VI) in aerated zone soil. <i>Journal of Environmental Radioactivity</i> , 2013, 115, 143-150.	1.7	37
101	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
102	Preparation and preliminary evaluation of ^{211}At -labeled amidobisphosphonates. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 283, 329-335.	1.5	7
103	Biosorption of ^{241}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
104	Preliminary investigation on biosorption mechanism of ^{241}Am by <i>Rhizopus arrhizus</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 277, 329-336.	1.5	12
105	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
106	Adsorption and migration of ^{241}Am in aerated zone soil. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 274, 593-601.	1.5	3
107	Radioiodination of insulin using N-succinimidyl 5-(tributylstannyl)-3-pyridine-carboxylate (SPC) as a bi-functional linker: Synthesis and biodistribution in mice. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2006, 268, 205-210.	1.5	10
108	Sorption of ^{241}Am by <i>Aspergillus niger</i> spore and hyphae. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 260, 659-663.	1.5	10

#	ARTICLE	IF	CITATIONS
109	Biosorption of americium-241 by immobilized <i>Rhizopus arrhizus</i> . <i>Applied Radiation and Isotopes</i> , 2004, 60, 1-5.	1.5	14
110	Biosorption of ²⁴¹ Am by immobilized <i>Saccharomyces cerevisiae</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 258, 59-63.	1.5	13
111	Biosorption of americium-241 by <i>Saccharomyces cerevisiae</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 252, 187-191.	1.5	46