Xiaoyan Lin

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8025159/publications.pdf

Version: 2024-02-01

73 papers	2,230 citations	201674 27 h-index	233421 45 g-index
74 all docs	74 docs citations	74 times ranked	2316 citing authors

#	Article	IF	Citations
1	Study on adsorption of tetracycline by Cu-immobilized alginate adsorbent from water environment. International Journal of Biological Macromolecules, 2019, 124, 418-428.	7.5	155
2	A sorbent of carboxymethyl cellulose loaded with zirconium for the removal of fluoride from aqueous solution. Chemical Engineering Journal, 2014, 252, 415-422.	12.7	106
3	Highly selective and efficient removal of fluoride from ground water by layered Al-Zr-La Tri-metal hydroxide. Applied Surface Science, 2018, 435, 920-927.	6.1	94
4	Fluoride adsorption from aqueous solution by aluminum alginate particles prepared via electrostatic spinning device. Chemical Engineering Journal, 2014, 256, 306-315.	12.7	80
5	Phenolic hydroxyl derived copper alginate microspheres as superior adsorbent for effective adsorption of tetracycline. International Journal of Biological Macromolecules, 2019, 136, 445-459.	7.5	79
6	Removal of uranium and fluorine from wastewater by double-functional microsphere adsorbent of SA/CMC loaded with calcium and aluminum. Applied Surface Science, 2016, 384, 466-479.	6.1	74
7	Bayberry tannin immobilized bovine serum albumin nanospheres: characterization, irradiation stability and selective removal of uranyl ions from radioactive wastewater. Journal of Materials Chemistry A, 2018, 6, 15359-15370.	10.3	74
8	A modified lignin adsorbent for the removal of 2,4,6-trinitrotoluene. Chemical Engineering Journal, 2011, 168, 1055-1063.	12.7	69
9	Fluoride adsorption from aqueous solution by magnetic core-shell Fe3O4@alginate-La particles fabricated via electro-coextrusion. Applied Surface Science, 2016, 389, 34-45.	6.1	67
10	Preparation and characterization of polylactide/thermoplastic konjac glucomannan blends. Polymer, 2009, 50, 3698-3705.	3.8	62
11	Adsorption of tannin from aqueous solution by deacetylated konjac glucomannan. Journal of Hazardous Materials, 2010, 178, 844-850.	12.4	60
12	Fluoride removal from aqueous solution by Al(III)â€“Zr(IV) binary oxide adsorbent. Applied Surface Science, 2015, 357, 91-100.	6.1	60
13	Comparative study on the blends of PBS/thermoplastic starch prepared from waxy and normal corn starches. Starch/Staerke, 2013, 65, 831-839.	2.1	57
14	Adsorption of phosphorus from slaughterhouse wastewater by carboxymethyl konjac glucomannan loaded with lanthanum. International Journal of Biological Macromolecules, 2018, 119, 105-115.	7.5	56
15	Biosorption behaviors of uranium (VI) from aqueous solution by sunflower straw and insights of binding mechanism. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1823-1834.	1.5	55
16	Highly efficient extraction of thorium from aqueous solution by fungal mycelium-based microspheres fabricated via immobilization. Chemical Engineering Journal, 2019, 368, 37-50.	12.7	52
17	Preparation of tannin-immobilized gelatin/PVA nanofiber band for extraction of uranium (VI) from simulated seawater. Ecotoxicology and Environmental Safety, 2019, 170, 9-17.	6.0	48
18	Facile synthesis of potassium copper ferrocyanide composite particles for selective cesium removal from wastewater in the batch and continuous processes. RSC Advances, 2017, 7, 31352-31364.	3.6	46

#	Article	IF	Citations
19	Accumulation and effects of uranium on aquatic macrophyte Nymphaea tetragona Georgi: Potential application to phytoremediation and environmental monitoring. Journal of Environmental Radioactivity, 2019, 198, 43-49.	1.7	46
20	Nano-zero-valent Fe/Ni particles loaded on collagen fibers immobilized by bayberry tannin as an effective reductant for uranyl in aqueous solutions. Applied Surface Science, 2020, 507, 145075.	6.1	43
21	A novel self-crosslinked gel microspheres of Premna microphylla turcz leaves for the absorption of uranium. Journal of Hazardous Materials, 2021, 404, 124151.	12.4	40
22	Removal of aniline using lignin grafted acrylic acid from aqueous solution. Chemical Engineering Journal, 2011, 172, 856-863.	12.7	39
23	Adsorption capacity of kelp-like electrospun nanofibers immobilized with bayberry tannin for uranium(<scp>vi</scp>) extraction from seawater. RSC Advances, 2019, 9, 8091-8103.	3.6	38
24	Novel alginate particles decorated with nickel for enhancing ciprofloxacin removal: Characterization and mechanism analysis. Ecotoxicology and Environmental Safety, 2019, 169, 392-401.	6.0	35
25	An electrochemical sensor based on iron(<scp>ii</scp>,<scp>iii</scp>)@graphene oxide@molecularly imprinted polymer nanoparticles for interleukin-8 detection in saliva. Analytical Methods, 2015, 7, 7784-7791.	2.7	34
26	One-Step Hydrothermal Synthesis of Carbonaceous Spheres from Glucose with an Aluminum Chloride Catalyst and Its Adsorption Characteristic for Uranium(VI). Industrial & Engineering Chemistry Research, 2016, 55, 9648-9656.	3.7	33
27	Effect of degree of acetylation on thermoplastic and melt rheological properties of acetylated konjac glucomannan. Carbohydrate Polymers, 2010, 82, 167-172.	10.2	30
28	Preparation of Mesoporous Carbon from Sodium Lignosulfonate by Hydrothermal and Template Method and Its Adsorption of Uranium(VI). Industrial & Engineering Chemistry Research, 2017, 56, 12745-12754.	3.7	28
29	Phytic acid-decorated porous organic polymer for uranium extraction under highly acidic conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126981.	4.7	28
30	Hydrothermal synthesis of carbon microsphere from glucose at low temperature and its adsorption property of uranium(VI). Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 695-706.	1.5	27
31	Preparation, characterization and adsorption properties for lead (II) of alkali-activated porous leather particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 512, 7-16.	4.7	27
32	Carboxymethyl konjac glucomannan mechanically reinforcing gellan gum microspheres for uranium removal. International Journal of Biological Macromolecules, 2020, 145, 535-546.	7.5	26
33	Adsorption of Hg(II) in aqueous solutions using mercaptoâ€functionalized alkali lignin. Journal of Applied Polymer Science, 2014, 131, .	2.6	25
34	Coreâ€“shell zeolite@Algâ€“Ca particles for removal of strontium from aqueous solutions. RSC Advances, 2016, 6, 73959-73973.	3.6	25
35	Adsorption of Uranium(VI) from a Simulated Saline Solution by Alkali-Activated Leather Waste. Industrial & Engineering Chemistry Research, 2017, 56, 3251-3258.	3.7	24
36	Marinobacter sp. Stable Hydrous Titanium Oxide-Functionalized Bovine Serum Albumin Nanospheres for Uranium Capture from Spiked Seawater. ACS Applied Materials & Interfaces, 2019, 11, 40898-40908.	8.0	24

#	Article	IF	Citations
37	Poly(vinyl alcohol)/quaternized lignin composite absorbent: Synthesis, characterization and application for nitrate adsorption. Journal of Applied Polymer Science, 2013, 128, 2746-2752.	2.6	23
38	Preparation of a novel microsphere adsorbent of prussian blue capsulated in carboxymethyl cellulose sodium for Cs(I) removal from contaminated water. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1577-1591.	1.5	23
39	Preparation and characterization of the linked lanthanum carboxymethylcellulose microsphere adsorbent for removal of fluoride from aqueous solutions. RSC Advances, 2015, 5, 59273-59285.	3.6	22
40	Love Wave Sensor for Prostate-Specific Membrane Antigen Detection Based on Hydrophilic Molecularly-Imprinted Polymer. Polymers, 2018, 10, 563.	4.5	19
41	Pectin/Al₂O₃â€“ZrO₂ core/shell bead sorbent for fluoride removal from aqueous solution. RSC Advances, 2016, 6, 27738-27749.	3.6	18
42	Selective adsorption of uranium from salt lakeâ€simulated solution by phenolicâ€functionalized hollow spongeâ€like adsorbent. Journal of Chemical Technology and Biotechnology, 2019, 94, 455-467.	3.2	18
43	The stability and decontamination of surface radioactive contamination of biomass-based antifreeze foam. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126774.	4.7	16
44	Microwave-assisted hydrothermal synthesis of carbon doped with phosphorus for uranium(VI) adsorption. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 73-89.	1.5	14
45	Biosorption of uranium(VI) from aqueous solution using microsphere adsorbents of carboxymethyl cellulose loaded with aluminum(III). Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 611-622.	1.5	13
46	Adsorption behavior of carboxymethyl konjac glucomannan microspheres for fluoride fromÂaqueous solution. RSC Advances, 2016, 6, 89417-89429.	3.6	13
47	Efficient simultaneous removal of U(VI) and Cu(II) from aqueous solution using coreâ€“shell nZVI@SA/CMC-Ca beads. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 223-235.	1.5	12
48	Removal of Sr²⁺ions from simulated wastewater by electrodeionization. Desalination and Water Treatment, 2015, 53, 2125-2133.	1.0	11
49	Preparation and application of alginate-Ca/attapulgite clay core/shell particle for the removal of uranium from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 307-319.	1.5	11
50	Nonâ€Oxidative Methane Conversion Using Leadâ€and Ironâ€Modified Albite Catalysts in Fixedâ€Bed Reactor. Chinese Journal of Chemistry, 2018, 36, 531-537.	4.9	11
51	Ultralight ethyl cellulose-based electret fiber membrane for low-resistance and high-efficient capture of PM2.5. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127643.	4.7	11
52	Accessible fabrication of Bi₂MoO₆/BiOCl for effectively conducting thermally-responsive catalytic decontamination of model pollutants. RSC Advances, 2016, 6, 58371-58379.	3.6	10
53	Rapid synthesis of carbon materials by microwave-assisted hydrothermal method at low temperature and its adsorption properties for uranium (VI). Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 629-646.	1.5	9
54	Stereoscopic porous gellan gum-based microspheres as high performance adsorbents for U(VI) removal. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 213-225.	1.5	9

#	Article	IF	Citations
55	Study on textural changes and pectin degradation of tarocco blood Orange during storage. International Journal of Food Properties, 2022, 25, 344-358.	3.0	9
56	Preparation of mid-to-high molecular weight konjac glucomannan (MHKGM) using controllable enzyme-catalyzed degradation and investigation of MHKGM properties. Journal of Polymer Research, 2012, 19, 1.	2.4	8
57	Preparation and characterization of KGM-g-St/BA fibers and core/shell PCL/KGM-g-St/BA fibers. RSC Advances, 2015, 5, 24975-24983.	3.6	8
58	Preparation of chemically oxidized porous carbon and its adsorption of uranium(VI) from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 1853-1864.	1.5	8
59	Fabrication of Ag₃PO₄/Î±-Bi₂O₃ composites with enhanced photocatalytic properties under visible light. RSC Advances, 2015, 5, 96685-96694.	3.6	7
60	Sorption of uranium(VI) by La-Al-carboxymethyl konjac glucomannan microsphere sorbent. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 1039-1050.	1.5	7
61	Preparation, Characterization, and Adsorption Properties of Amino-Alky Cellulose for 2, 4, 6-Trinitrotoluene. Polycyclic Aromatic Compounds, 2014, 34, 372-387.	2.6	6
62	Super-Paramagnetic Nanoparticles by Surface Imprinting on Graphene Oxide Modified Iron (II, III) with Application for the Determination of Ovalbumin by Absorption Spectroscopy. Analytical Letters, 2015, 48, 2463-2481.	1.8	6
63	A Sorbent Based on Liquor Distillersâ€™ Grains for the Removal of Pb(II) and Cr(III) from Aqueous Solution. Procedia Environmental Sciences, 2016, 31, 785-794.	1.4	6
64	The synthesis, characterization and decontamination of surface radioactive contamination of ethyl cellulose/polyacrylate strippable detergent at low temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 128463.	4.7	6
65	Thermocatalytic degradation of low density polyethylene films by responding to the actuation of heat. RSC Advances, 2014, 4, 41744-41752.	3.6	5
66	Preparation and characterization of a coreâ€“shell KNO3@alginate-Ca particle with uranium-removal and slow-release of KNO3. RSC Advances, 2016, 6, 112065-112078.	3.6	5
67	Preparation of Ca-alginate coated nZVI core shell beads for uranium (VI) removal from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2405-2416.	1.5	5
68	Biodegradable antifreeze foam stabilized by lauryl alcohol for radioactive surface decontamination. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 3135-3145.	1.5	3
69	Removal of uranium by APG/TAS antifreeze foam detergent with high foaming property. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 650, 129589.	4.7	3
70	Surface Plasmon Resonanceâ€based Inhibitive Immunoassay Coupled with Dummy Template Molecularly Imprinted Polymer Solid Phase Extraction for Onâ€line Analysis of Trace Clenbuterol. Journal of the Chinese Chemical Society, 2014, 61, 1357-1364.	1.4	2
71	Implementing thermally-excited-catalytic course solely using ambient heat motivation for efficient abatement of water pollutants. RSC Advances, 2016, 6, 18040-18051.	3.6	2
72	One-Pot Method to Synthesize Silver Nanoparticle-Modified Bamboo-Based Carbon Aerogels for Formaldehyde Removal. Polymers, 2022, 14, 860.	4.5	2

#	Article	IF	Citations
73	Modify of Thermoplastic Soy Protein Isolated by Methyl Methacrylate. , 2011, , .		0