Chunhua Xiong

List of Publications by Year
in descending order

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52 papers	1,434 citations	279798 23 h-index	330143 37 g-index
52 all docs	52 docs citations	52 times ranked	1521 citing authors

#	Article	IF	Citations
1	Selective removal of Hg(II) with polyacrylonitrile-2-amino-1,3,4-thiadiazole chelating resin: Batch and column study. Chemical Engineering Journal, 2015, 259, 257-265.	12.7	109
2	Cobalt-Catalyzed Oxidant-Free Spirocycle Synthesis by Liberation of Hydrogen. Organic Letters, 2017, 19, 4640-4643.	4.6	106
3	Synthesis, characterization and application of triethylenetetramine modified polystyrene resin in removal of mercury, cadmium and lead from aqueous solutions. Chemical Engineering Journal, 2009, 155, 844-850.	12.7	96
4	Adsorption of rhenium(VII) on 4-amino-1,2,4-triazole resin. Hydrometallurgy, 2008, 90, 221-226.	4.3	80
5	Optimization of Polyacrylonitrile-2-aminothiazole Resin Synthesis, Characterization, and Its Adsorption Performance and Mechanism for Removal of Hg(II) from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2013, 52, 4978-4986.	3.7	77
6	Preparation and application of acrylic acid grafted polytetrafluoroethylene fiber as a weak acid cation exchanger for adsorption of Er(III). Journal of Hazardous Materials, 2009, 170, 1125-1132.	12.4	63
7	Adsorption behavior of Cd(II) from aqueous solutions onto gel-type weak acid resin. Hydrometallurgy, 2009, 98, 318-324.	4.3	55
8	Preparation and characterization of casein-carrageenan conjugates and self-assembled microcapsules for encapsulation of red pigment from paprika. Carbohydrate Polymers, 2018, 196, 322-331.	10.2	52
9	Preparation of a novel chloromethylated polystyrene-2-amino-1,3,4-thiadiazole chelating resin and its adsorption properties and mechanism for separation and recovery of Pt(<scp>iv</scp>) from aqueous solutions. Journal of Materials Chemistry A, 2014, 2, 5379-5386.	10.3	46
10	Synthesis, characterization and application of ethylenediamine functionalized chelating resin for copper preconcentration in tea samples. Chemical Engineering Journal, 2012, 203, 115-122.	12.7	44
11	2-Aminothiazole Functionalized Polystyrene for Selective Removal of Au(III) in Aqueous Solutions. Industrial & Engineering Chemistry Research, 2014, 53, 2441-2448.	3.7	44
12	Manganese(III) Acetylacetonateâ€Mediated Phosphorylation of Enamides at Room Temperature. Advanced Synthesis and Catalysis, 2018, 360, 3492-3496.	4.3	43
13	Effect of pH on sorption for RE(III) and sorption behaviors of Sm(III) by D152 resin. Journal of Rare Earths, 2008, 26, 851-856.	4.8	41
14	Adsorption of erbium(III) on D113-III resin from aqueous solutions: batch and column studies. Journal of Rare Earths, 2009, 27, 923-931.	4.8	39
15	Adsorption behavior of Hg2+ in aqueous solutions on a novel chelating cross-linked chitosan microsphere. Carbohydrate Polymers, 2013, 98, 1222-1228.	10.2	39
16	One-pot synthesis of fluorescent 2,4-dialkenylindoles by rhodium-catalyzed dual Câ€“H functionalization. Organic Chemistry Frontiers, 2017, 4, 455-459.	4.5	36
17	Evaluation of D113 cation exchange resin for the removal of Eu(III) from aqueous solution. Journal of Rare Earths, 2010, 28, 862-867.	4.8	35
18	Sorption behaviour and mechanism of ytterbium(III) on imino-diacetic acid resin. Hydrometallurgy, 2006, 82, 190-194.	4.3	33

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19	Enhanced adsorption behavior of Nd(III) onto D113-III resin from aqueous solution. Journal of Rare Earths, 2011, 29, 979-985.	4.8	32
20	Adsorption and Desorption of Praseodymium (III) from Aqueous Solution Using D72 Resin. Chinese Journal of Chemical Engineering, 2012, 20, 823-830.	3.5	27
21	Rhodium(III)â€Catalyzed Oneâ€Pot Access to Isoquinolines and Heterocycleâ€Fused Pyridines in Aqueous Medium through Câ€“H Cleavage. European Journal of Organic Chemistry, 2014, 2014, 8110-8118.	2.4	27
22	Green chemical method for the synthesis of chromogenic fiber and its application for the detection and extraction of Hg2+ and Cu2+ in environmental medium. Journal of Hazardous Materials, 2019, 364, 339-348.	12.4	26
23	Ruthenium-Catalyzed Ring-Opening Addition of Anilides to 7-Azabenzonorbornadienes: A Diastereoselective Route to Hydronaphthylamines. Journal of Organic Chemistry, 2018, 83, 5598-5608.	3.2	25
24	Green chemical synthesis of new chelating fiber and its mechanism for recovery gold from aqueous solution. Journal of Hazardous Materials, 2019, 378, 120674.	12.4	25
25	Application and characterization of magnetic chitosan microspheres for enhanced immobilization of cellulase. Biocatalysis and Biotransformation, 2016, 34, 272-282.	2.0	19
26	Preparation of a Novel Heterocycle-Containing Polystyrene Chelating Resin and its Application for Hg(II) Adsorption in Aqueous Solutions. Current Organic Chemistry, 2012, 16, 1942-1948.	1.6	17
27	Adsorption behavior of ytterbium (III) on gel-type weak acid resin. Journal of Rare Earths, 2011, 29, 407-412.	4.8	16
28	Synthesis and characterization of a novel chloromethylated polystyrene-g-2-adenine chelating resin and its application to preconcentrate and detect the concentration of mercury ions in edible mushroom samples. Canadian Journal of Chemistry, 2016, 94, 751-758.	1.1	15
29	Preparation and characterization of novel organic chelating resin and its application in recovery of Zn(II) from aqueous solutions. Applied Organometallic Chemistry, 2017, 31, e3546.	3.5	14
30	Design of a selective regenerable cellulose microcolumn for selenium efficient recovery and economic determination. Chemical Engineering Research and Design, 2017, 117, 773-783.	5.6	13
31	Sorption Behavior of In(III) Ions onto Cation-Exchange Carboxylic Resin in Aqueous Solutions: Batch and Column Studies. Separation Science and Technology, 2010, 45, 2368-2375.	2.5	12
32	A functionalized cellulose regenerative microcolumn combined with ultraviolet spectrophotometry for economic detection of selenium in purple potato. Analytical Methods, 2016, 8, 8084-8091.	2.7	11
33	Sorption behavior of iminodiacetic acid resin for indium. Rare Metals, 2008, 27, 153-157.	7.1	10
34	Effects of Chitosan Oligosaccharideâ€“Nisin Conjugates Formed by Maillard reaction on the preservation of Collichthys niveatus. Journal of Food Processing and Preservation, 2019, 43, e14116.	2.0	10
35	Effects of chitosan oligosaccharide-nisin conjugates formed by Maillard reaction on the intestinal microbiota of high-fat diet-induced obesity mice model. Food Quality and Safety, 2019, 3, 169-177.	1.8	10
36	Optimization of conditions for Cu(II) adsorption on D151 resin from aqueous solutions using response surface methodology and its mechanism study. Water Science and Technology, 2014, 69, 2446-2451.	2.5	9

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37	Adsorption of Neodymium(III) on Acrylic Resin (110 Resin) from Aqueous Solutions. Separation Science and Technology, 2015, 50, 564-572.	2.5	9
38	Study on the adsorption of Pb²⁺from aqueous solution by D113-III resin. Desalination and Water Treatment, 2012, 41, 62-71.	1.0	8
39	Optimization of conditions for Cu(II) adsorption on 110 resin from aqueous solutions using response surface methodology and its mechanism study. Desalination and Water Treatment, 2013, 51, 4613-4621.	1.0	8
40	Adsorption performance and mechanism for removal of Cd(II) from aqueous solutions by D001 cation-exchange resin. Water Science and Technology, 2014, 69, 833-839.	2.5	8
41	Investigation of highly selective regenerative cellulose microcolumn for selenium detection and efficient recovery. Tetrahedron, 2016, 72, 8309-8318.	1.9	8
42	Study on sorption of D155 resin for gadolinium. Journal of Rare Earths, 2008, 26, 258-263.	4.8	7
43	Adsorption behavior of Pd(II) from aqueous solutions by D201 resin. Rare Metals, 2011, 30, 470-476.	7.1	7
44	Heterogeneous amino acid-based tungstophosphoric acids as efficient and recyclable catalysts for selective oxidation of benzyl alcohol. Korean Journal of Chemical Engineering, 2017, 34, 1914-1923.	2.7	7
45	Preparation of a novel chloromethylated polystyrene-2-mercapto-1,3,4-thiadiazole chelating resin and its adsorption properties and mechanism for separation and recovery of Hg(II) from aqueous solutions. Water Science and Technology, 2017, 76, 1915-1924.	2.5	7
46	Adsorptive removal of Ni(II) from aqueous solution on 110-H resin: optimization through response surface methodology. Desalination and Water Treatment, 2016, 57, 10710-10722.	1.0	3
47	Adsorption behavior of Lanthanum(III) on SQD-85 resin. Desalination and Water Treatment, 2015, 54, 1990-1997.	1.0	2
48	Synthesis and application of recyclable coreâ€shell structure microspheres MCTSâ€gâ€AT in detection of Hg(II) in aquatic products. Journal of the Chinese Chemical Society, 2021, 68, 1739.	1.4	2
49	Theoretical studies on the dehydration reaction of the allicin radical cation in the gas phase. Computational and Theoretical Chemistry, 2011, 972, 75-80.	2.5	1
50	Synthesis and Characterization of Amino-Terminated Chloration Modified Peanut Shell and Its Application to Preconcentrate and Detect the Concentration of Sunset Yellow in Drink and Jelly Samples. Food Analytical Methods, 2018, 11, 2158-2171.	2.6	1
51	Design, synthesis, and evaluation of amino-terminated oxidization modified peanut shell as adsorbent of microcolumn for Sudan-I detection and efficient recovery. Separation Science and Technology, 2019, 54, 1289-1301.	2.5	0
52	EVALUATION OF THE ADSORPTION OF COPPER (II) FROM AQUEOUS SOLUTION BY D151 RESIN. Environmental Engineering and Management Journal, 2014, 13, 783-790.	0.6	0