Polymer-supported reagents for the selective complexa

Reactive and Functional Polymers 36, 113-123

DOI: 10.1016/s1381-5148(98)00016-9

Citation Report

#	Article	IF	CITATIONS
1	Some recent developments in ion-exchange resins. Jom, 1998, 50, 62-63.	0.9	19
2	Separation methods in hydrometallurgy. Jom, 1998, 50, 64-65.	0.9	0
3	Platinum recovery on chitosan-based sorbents. Process Metallurgy, 1999, , 265-275.	0.1	3
4	New chelating polymers for heavy metal ion sorption. Journal of Applied Polymer Science, 1999, 74, 849-856.	1.3	22
5	Chitosan Sorbents for Platinum Sorption from Dilute Solutions. Industrial & Engineering Chemistry Research, 1999, 38, 4011-4022.	1.8	133
6	Surface Modification of Silica- and Cellulose-Based Microfiltration Membranes with Functional Polyamino Acids for Heavy Metal Sorption. Langmuir, 1999, 15, 6346-6357.	1.6	101
7	Preparation and characterization of magnetic polymethylmethacrylate microbeads carrying ethylene diamine for removal of Cu(II), Cd(II), Pb(II), and Hg(II) from aqueous solutions. Journal of Applied Polymer Science, 2000, 78, 81-89.	1.3	88
8	Synthesis and copolymerization of methacryloyl hydroxamic acids. Journal of Applied Polymer Science, 2000, 78, 751-758.	1.3	8
9	Palladium sorption on glutaraldehyde-crosslinked chitosan. Reactive and Functional Polymers, 2000, 45, 155-173.	2.0	259
10	Adsorption of heavy metal ions onto ethylene diamine-derived and Cibacron Blue F3GA-incorporated microporous poly(2-hydroxyethyl methacrylate) membranes. Reactive and Functional Polymers, 2000, 43, 17-24.	2.0	22
11	Synthesis of functionalized phenylphosphinic acid resins through Michael reaction and their ion-exchange properties. Reactive and Functional Polymers, 2000, 44, 9-19.	2.0	28
12	Complexation of copper ions by DETA-terminated magnetic carriers. International Journal of Mineral Processing, 2000, 59, 1-7.	2.6	22
13	Selective extraction of metal ions by azathiacrown ether-modified polar polymers. Inorganica Chimica Acta, 2000, 303, 77-85.	1.2	60
14	Removal of heavy metal ions from aquatic solutions by membrane chromatography. Separation and Purification Technology, 2000, 21, 181-190.	3.9	44
15	MAGNETIC POLYMETHYLMETHACRYLATE MICROBEADS CARRYING AMINE FUNCTIONAL GROUPS FOR REMOVAL OF Pb(II) FROM AQUEOUS SOLUTIONS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2000, 37, 1647-1662.	1.2	6
16	NON-DISPERSIVE LIQUID EXTRACTION OF Cr(VI) BY TBP/ALIQUAT 336 USING CHITOSAN-MADE HOLLOW FIBER. Solvent Extraction and Ion Exchange, 2000, 18, 1241-1260.	0.8	33
17	Coordination Chemistry of Phosphorylated Calixarenes and Their Application to Separations Science. Industrial & Engineering Chemistry Research, 2000, 39, 3998-4010.	1.8	44
18	Selective sorption of gold(iii) by polystyrene-supported α-pyridylamino oligomers. Journal of Materials Chemistry, 2000, 10, 2442-2444.	6.7	13

#	Article	IF	Citations
19	ION-SELECTIVE POLYMER-SUPPORTED REAGENTS. Solvent Extraction and Ion Exchange, 2000, 18, 779-807.	0.8	24
20	CHELATING ION EXCHANGE RESINS. , 2000, , 2271-2279.		1
21	Selective Separation of Fe(III), Cd(II), and Ni(II) from Dilute Solutions Using Solvent-Impregnated Resins. Industrial & Engineering Chemistry Research, 2001, 40, 6004-6013.	1.8	43
22	Synthesis and Ion-Binding Affinities of Calix[4]arenes Immobilized on Cross-Linked Polystyrene. Macromolecules, 2001, 34, 206-210.	2.2	63
23	Cr(VI) Extraction Using Aliquat 336 in a Hollow Fiber Module Made of Chitosan. Industrial & Engineering Chemistry Research, 2001, 40, 1406-1411.	1.8	77
24	METAL ION SELECTIVITY OF MACRORETICULAR CHELATING CATION EXCHANGE RESINS WITH PHOSPHONIC ACID GROUPS ATTACHED TO PHENYL GROUPS OF A STYRENE-DIVINYLBENZENE COPOLYMER MATRIX. Separation Science and Technology, 2001, 36, 3511-3528.	1.3	29
25	Catalisadores Sulfônicos Imobilizados em PolÃmeros: SÃntese, Caracterização e Avaliação. Polimeros, 2001, 11, 222-233.	0.2	9
26	Synthesis of functionalized phenylphosphinic acid resins through Michael reaction. Reactive and Functional Polymers, 2001, 48, 141-148.	2.0	8
27	Chemical modification of cross-linked resin based on acrylonitrile for anchoring metal ions. Reactive and Functional Polymers, 2001, 49, 133-143.	2.0	51
28	Synthesis of thiol functionalized organo–ceramic adsorbent by sol–gel technology. Reactive and Functional Polymers, 2001, 49, 159-172.	2.0	40
29	Glycidyl methacrylate based polymer resins with diethylene triamine tetra acetic acid functions for efficient removal of Ca(II) and Mg(II). Reactive and Functional Polymers, 2001, 49, 151-157.	2.0	51
30	Noble metal ion sorption by pyridyl and bipyridyl group-containing chelating polymers. Journal of Applied Polymer Science, 2001, 80, 207-213.	1.3	14
31	Palladium sorption on glutaraldehyde-crosslinked chitosan in fixed-bed systems. Journal of Applied Polymer Science, 2001, 81, 153-165.	1.3	40
32	Heavy Metal Ion Adsorption Properties of Methacrylamidocysteine-Containing Porous Poly(Hydroxyethyl Methacrylate) Chelating Beads. Adsorption Science and Technology, 2002, 20, 607-617.	1.5	14
33	In Situ Remediation of Groundwater Contaminated by Heavy- and Transition-Metal lons by Selective Ion-Exchange Methods. Environmental Science & Exchange Methods.	4.6	85
34	Ultrafine Selective Metal-Complexing Nanoparticles:Â Synthesis by Microemulsion Copolymerization, Binding Capacity, and Ligand Accessibility. Macromolecules, 2002, 35, 1644-1650.	2.2	39
35	Interphase mobility and migration of hydrophobic organic metal extractant molecules in solvent-impregnated resins. Separation Science and Technology, 2002, 37, 2607-2622.	1.3	14
36	Metal-Ion Extraction by Immobilised Aza Crown Ethers. European Journal of Inorganic Chemistry, 2002, 2002, 221-229.	1.0	12

#	Article	IF	CITATIONS
37	Ultrafiltration of metal ions by water-soluble chelating poly(N-acryloyl-N-methylpiperazine-co-N-acetyl-?-aminoacrylic acid). Journal of Applied Polymer Science, 2002, 83, 2556-2561.	1.3	17
38	Development of membranes by radiation grafting of acrylamide into polyethylene films: Properties and metal ion separation. Journal of Applied Polymer Science, 2002, 85, 282-291.	1.3	19
39	Conductometric and viscometric investigation of poly(N-vinylimidazole)-metal ion complex formation. Journal of Applied Polymer Science, 2002, 85, 376-384.	1.3	16
40	Synthesis, characterization, and chelating properties of the polymacromonomer: Poly[(ethyleneglycol) methyl ether methacrylate]. Journal of Applied Polymer Science, 2002, 85, 2929-2934.	1.3	4
41	Synthesis of 1,4,8,11-tetraazacyclotetradecane monomer by addition of acryloyl chloride and its polymer for specific transition metal binding. Journal of Applied Polymer Science, 2002, 83, 1406-1414.	1.3	18
42	Preparation of poly(hydroxyethyl methacrylate-co-methacrylamidohistidine) beads and its design as a affinity adsorbent for Cu(II) removal from aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 196, 199-207.	2.3	34
43	Selective and reversible extraction of heavy metal-ions by mixed-donor crown ether-modified oxirane and thiirane resins. Reactive and Functional Polymers, 2002, 51, 33-47.	2.0	30
44	Synthesis and some sorption properties of anion exchangers bearing ligands of different length with guanidyl and biguanidyl end groups. Polymer, 2002, 43, 1061-1068.	1.8	18
45	Preparation and characterisation of a poly(acrylamidoglycolic acid-co-acrylamide) hydrogel for selective binding of Cu2+ and application to diffusive gradients in thin films measurements. Polymer, 2002, 43, 4803-4809.	1.8	66
46	1,4,8,11-Tetraazacyclotetradecane bound to poly(p-chloromethylstyrene–ethylene glycol) Tj ETQq1 1 0.784314	4 rgBT /O\ 2.6	verlock 10 T
47	Metal-complexing ligand methacryloylamidocysteine containing polymer beads for Cd(II) removal. Separation and Purification Technology, 2003, 30, 3-10.	3.9	47
48	Novel methacryloylamidophenylalanine functionalized porous chelating beads for adsorption of heavy metal ions. Advances in Polymer Technology, 2003, 22, 355-364.	0.8	17
49	Preparation and metal ion adsorption properties of the resin containing sulfonic acid groups. Journal of Applied Polymer Science, 2003, 88, 1230-1235.	1.3	3
50	Removal properties of crosslinked poly(2-acrylamido glycolic acid) for trace heavy metal ions: Effect of pH, temperature, contact time, and salinity on the adsorption behavior. Journal of Applied Polymer Science, 2003, 88, 2614-2621.	1.3	27
51	Synthesis of copolymers containing opposite charged comonomers and their interactions with metal ions. Journal of Applied Polymer Science, 2003, 89, 1715-1721.	1.3	4
52	Preparation of ion-exchange membranes by hydrolysis of radiation-grafted polyethylene-g-polyacrylamide membranes. Journal of Applied Polymer Science, 2003, 90, 149-154.	1.3	6
53	Preparation and adsorption properties of resins containing amine, sulfonic acid, and carboxylic acid moieties. Journal of Applied Polymer Science, 2003, 90, 700-705.	1.3	28
54	Preparation of ion-exchange membranes by the hydrolysis of radiation-grafted polyethylene-g-polyacrylamide films: Properties and metal-ion separation. Journal of Applied Polymer Science, 2003, 90, 3747-3752.	1.3	12

#	Article	IF	CITATIONS
55	Metal-ion-retention properties of the poly(2-acrylamido-2-methyl-1-propanosulfonic acid-co-4-vinyl) Tj ETQq0 0 0	rgBT /Ove	rlock 10 Tf 50
56	Selective extraction and sequential separation of actinide and transition ions using AXAD-16-BTBED polymeric sorbent. Reactive and Functional Polymers, 2003, 57, 147-155.	2.0	37
57	Synthesis of metal-complexing nanoparticles by post-functionalisation of reactive nanolatexes produced by microemulsion polymerisation. Comptes Rendus Chimie, 2003, 6, 1275-1283.	0.2	27
58	Determination of mercury species with a resin functionalized with a 1,2-bis(o-aminophenylthio)ethane moiety. Analytica Chimica Acta, 2003, 477, 73-80.	2.6	48
59	Synthesis and characterization of 1,4,8,11-tetraazacyclotetradecane carrying poly(p-chloromethyl) Tj ETQq0 0 0 0 Acta, 2003, 398, 249-258.	rgBT /Over 1.2	rlock 10 Tf 50 7
60	Water-soluble polymer–metal ion interactions. Progress in Polymer Science, 2003, 28, 173-208.	11.8	416
61	Synthesis and metal ion complexation properties of a novel polyethyleneimine N-methylhydroxamic acid water soluble polymer. Reactive and Functional Polymers, 2003, 55, 109-119.	2.0	55
62	Removal of Nickel from Electroless Nickel Plating Rinse Water with Di(2â€Ethylhexyl)phosphoric Acidâ€Impregnated Supports. Solvent Extraction and Ion Exchange, 2003, 21, 291-305.	0.8	7
63	8-Hydroxyquinoline-5-sulfonic Acid (HQS) Impregnated on Lewatit MP 600 for Cadmium Complexation: Implication of Solvent Impregnated Resins for Water Remediation. Separation Science and Technology, 2003, 38, 149-163.	1.3	17
64	Synthesis of Styrene-Allylchloride Copolymer Supported Cobalt(II) Schiff Base Complex and Its Catalytic Activity. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 475-500.	1.2	13
66	SÃntese e caracterização de copolÃmeros de estireno e divinilbenzeno clorometilados. Polimeros, 2004, 14, 267-273.	0.2	3
67	Preparation of Molecular Imprinted Thermosensitive Gel Adsorbents and Adsorption/Desorption Properties of Heavy Metal Ions by Temperature Swing. Journal of Chemical Engineering of Japan, 2004, 37, 59-66.	0.3	32
68	Development of Membranes by Radiationâ€Induced Graft Polymerization of Monomers onto Polyethylene Films. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2004, 44, 275-309.	2.2	28
69	Study of Palladium Complexes with Chitosan and Its Derivatives as Potential Catalysts for Terminal Olefin Oxidation. Kinetics and Catalysis, 2004, 45, 743-751.	0.3	12
70	Poly(ethylene glycol dimethacrylate-n-vinyl imidazole) beads for heavy metal removal. Journal of Hazardous Materials, 2004, 106, 93-99.	6.5	155
71	Microparticles of poly(methacrylic acid)-gadolinium ion complex and their magnetic force microscopic images. Journal of Polymer Science Part A, 2004, 42, 1912-1918.	2.5	8
72	Trace metal ion retention properties of crosslinked poly(4-vinylpyridine) and poly(acrylic acid). Journal of Applied Polymer Science, 2004, 92, 2908-2916.	1.3	30
73	Metal ion binding capability of the water-soluble poly(vinyl phosphonic acid) for mono-, di-, and trivalent cations. Journal of Applied Polymer Science, 2004, 92, 2917-2922.	1.3	31

#	ARTICLE	IF	Citations
74	Iodine bactericidal action adsorbed in 2-vinylpyridine copolymer networks. Journal of Applied Polymer Science, 2004, 93, 972-976.	1.3	5
75	Removal of concentrated heavy metal ions from aqueous solutions using polymers with enriched amidoxime groups. Journal of Applied Polymer Science, 2004, 93, 1705-1710.	1.3	66
76	Thermodegradation of poly(2-vinylpyridine-co-styrene-co-divinylbenzene) and N-oxide derivatives. Thermochimica Acta, 2004, 424, 63-68.	1.2	11
77	Synthesis, characterization and amidoximation of a novel polymer: poly(N,N′-dipropionitrile) Tj ETQq1 1 0.784	1314 rgBT 2.0	/Oyerlock 1.0
78	Mixed Quaternary Ammonium and Phosphonium Salts Bound to Macromolecular Supports for Removal Bacteria from Water. Molecular Crystals and Liquid Crystals, 2004, 418, 195-203.	0.4	19
79	A chelating resin containing bis(2-benzimidazolylmethyl)amine: synthesis and metal-ion uptake properties suitable for analytical application. Talanta, 2004, 63, 485-490.	2.9	45
80	Microscopic characterization of porosity and chemical modification of acrylonitrile copolymer networks. Materials Letters, 2004, 58, 502-506.	1.3	9
81	Microscopic analysis of porosity of 2-vinylpyridine copolymer networks. Materials Letters, 2004, 58, 563-568.	1.3	14
82	Selectivity of cyclam modified poly(-chloromethyl styrene-ethyleneglycol dimethacrylate) microbeads for Cu(II), Ni(II), Co(II) and Zn(II). Separation and Purification Technology, 2005, 45, 32-40.	3.9	18
83	Synthesis and characterization of poly(hydroxyethyl methacrylate-N-methacryloyl-(l)-glutamic acid) copolymer beads for removal of lead ions. Materials Science and Engineering C, 2005, 25, 448-454.	3.8	45
84	Selective adsorption, pre-concentration and matrix elimination for the determination of Pb(II), Cd(II), Hg(II) and Cr(III) using 1,5,9,13-tetrathiacyclohexadecane-3,11-diol anchored poly (p-chloromethylstyrene-ethyleneglycoldimethacrylate) microbeads. Analytica Chimica Acta, 2005, 550, 24-32.	2.6	7
85	Water-soluble amine and imine polymers with the ability to bind metal ions in conjunction with membrane filtration. Journal of Applied Polymer Science, 2005, 96, 222-231.	1.3	50
86	Synthesis of Crosslinked Copolymers based on Acrylonitrile Containing Carboxyl and Amidrazone Groups. Polymer Bulletin, 2005, 55, 31-40.	1.7	17
87	In(III) and Ga(III) sorption by polymeric resins with substituted phenylphosphinic acid ligands. Reactive and Functional Polymers, 2005, 63, 215-220.	2.0	18
88	Aqueous and vapor phase mercury sorption by inorganic oxide materials functionalized with thiols and poly-thiols. Clean Technologies and Environmental Policy, 2005, 7, 87-96.	2.1	16
89	Factors affecting the complexation of polyacrylic acid with uranyl ions in aqueous solutions: A luminescence study. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2737-2744.	2.4	4
90	Diethylenetriaminepentaacetic Acid Impregnated Ceralite IR 400 for Transition Metal Complexation: Implication for Separation and Recovery. Separation Science and Technology, 2005, 40, 2053-2065.	1.3	1
91	Bifunctional Cation Exchange Fibers Having Phosphonic and Sulfonic Acid Groups., 2005,, 49-62.		2

#	Article	IF	CITATIONS
92	Adsorption mechanism of palladium by redox within condensed-tannin gel. Water Research, 2005, 39, 1324-1330.	5.3	129
93	Synthesis and Evaluation of an Ionâ€Imprinted Functionalized Sorbent for Selective Separation of Cadmium Ion. Separation Science and Technology, 2005, 40, 1597-1608.	1.3	33
94	Preconcentration techniques for uranium(VI) and thorium(IV) prior to analytical determination—an overview. Talanta, 2006, 68, 1047-1064.	2.9	346
95	A chelating resin containing S, N and O atoms: Synthesis and adsorption properties for Hg(II). European Polymer Journal, 2006, 42, 188-194.	2.6	53
96	Separation and determination of some metal ions on new chelating resins containing N, N donor sets. Analytica Chimica Acta, 2006, 556, 430-437.	2.6	58
97	Adsorption of Cd(II) from aqueous solution onto pyrite. Fuel, 2006, 85, 1929-1934.	3.4	77
98	Studies on radiation synthesis of polyethyleneimine/acrylamide hydrogels. Radiation Physics and Chemistry, 2006, 75, 747-754.	1.4	10
99	Chelating resin containing hybrid calixpyrroles: New sorbent for noble metal cations. Reactive and Functional Polymers, 2006, 66, 957-966.	2.0	47
100	Wittig-Horner reactions on styrene-divinylbenzene supports with benzaldehyde side-groups. Polymer Bulletin, 2006, 57, 189-197.	1.7	17
101	Adsorption of rhenium and rhodium in nitric acid solution by Amberlite XAD-4 impregnated with Aliquat 336. Korean Journal of Chemical Engineering, 2006, 23, 303-308.	1.2	21
102	Metal ion retention properties of water-insoluble polymers containing carboxylic acid groups. Journal of Applied Polymer Science, 2006, 99, 697-705.	1.3	19
103	Resins with the ability to bind copper and uranyl ions. Journal of Applied Polymer Science, 2006, 99, 706-711.	1.3	22
104	Synthesis and characterization of polystyrene-supported glucosamine resin and its adsorption behavior for Au(III). Journal of Applied Polymer Science, 2006, 100, 4581-4586.	1.3	8
105	Crosslinked poly(glycidyl methacrylate)-based resin for removal of mercury from aqueous solutions. Journal of Applied Polymer Science, 2006, 101, 348-352.	1.3	26
106	Synthesis and characterization of poly(ethylene glycol dimethacrylate–1-vinyl-1,2,4-triazole) copolymer beads for heavy-metal removal. Journal of Applied Polymer Science, 2006, 102, 4276-4283.	1.3	40
107	Optimization of synthetic conditions of a novel collagen-based superabsorbent hydrogel by Taguchi method and investigation of its metal ions adsorption. Journal of Applied Polymer Science, 2006, 102, 4878-4885.	1.3	29
108	Thermodegradation of Poly(4-Vinylpyridine-co-Maleic Acid-co-Divinylbenzene) and N-oxide Derivatives: Modeling of TG and DTG Curves. Polymer-Plastics Technology and Engineering, 2007, 46, 169-174.	1.9	0
109	Synthesis, characterization and polymerization of sodium p-methacryloylaminobenzylphosphonate monomer. Designed Monomers and Polymers, 2007, 10, 273-280.	0.7	2

#	Article	IF	CITATIONS
110	Trends in Sorption Preconcentration Combined with Noble Metal Determination. Analytical Sciences, 2007, 23, 1031-1039.	0.8	49
111	Separation and Preconcentration of Gallium(III), Indium(III), and Thallium(III) Using New Hydrazone-modified Resin. Analytical Sciences, 2007, 23, 1403-1408.	0.8	18
112	Kinetic analysis of palladium(II) adsorption process on condensed-tannin gel based on redox reaction models. Water Research, 2007, 41, 3043-3050.	5.3	40
113	A chelating resin with bis [2-(2-benzothiazolylthioethyl) sulfoxide]: Synthesis, characterization and properties for the removal of trace heavy metal ion in water samples. Talanta, 2007, 73, 195-201.	2.9	24
114	Removal of Trace Contaminants from Water Using New Chelating Resins. Analytical Letters, 2007, 40, 3443-3456.	1.0	22
115	Radiationâ€modified copolymer for the extraction of metal ions from water. Journal of Applied Polymer Science, 2007, 106, 3366-3374.	1.3	5
116	Determination of Trace Amounts of Copper in Tap Water Samples with a Calix[4]arene Modified Carbon Paste Electrode by Differential Pulse Anodic Stripping Voltammetry. Electroanalysis, 2007, 19, 1109-1115.	1.5	41
117	Thermodegradation of poly(4-vinylpyridine-co-crotonic acid-co-divinylbenzene) and N-oxide derivatives. Thermochimica Acta, 2007, 456, 152-157.	1.2	8
118	Thermogravimetric study of some crosslinked copolymers based on poly(acrylonitrile-co-divinylbenzene). Thermochimica Acta, 2007, 456, 128-133.	1.2	8
119	lodine–poly(2-vinylpyridine-co-styrene-co-divinylbenzene) charge transfer complexes with antibacterial activity. European Polymer Journal, 2007, 43, 4712-4718.	2.6	18
120	A new chelating resin containing azophenolcarboxylate functionality: synthesis, characterization and application to chromium speciation in wastewater. Analytica Chimica Acta, 2007, 584, 469-476.	2.6	67
121	Modification of poly(styrene-co-divinylbenzene) membrane by grafting of salicylic acid via a ketone bridge. European Polymer Journal, 2007, 43, 416-424.	2.6	9
122	Removal of lead from aqueous solution using Syzygium cumini L.: Equilibrium and kinetic studies. Journal of Hazardous Materials, 2007, 142, 340-347.	6.5	110
123	Synthesis and characterization of polymeric resins with aliphatic and aromatic amino ligands and their sorption behavior towards gold from ammonium hydroxide solutions. Reactive and Functional Polymers, 2007, 67, 1570-1576.	2.0	15
124	Sorption preconcentration in combined methods for the determination of noble metals. Journal of Analytical Chemistry, 2007, 62, 607-622.	0.4	39
125	A new chelating resin containing 2-aminothiophenol: Synthesis characterization and determination of mercury in waste water using 203Hg radiotracer. Journal of Radioanalytical and Nuclear Chemistry, 2007, 274, 237-243.	0.7	4
126	Batch and dynamic extraction of uranium(VI) from nitric acid medium by commercial phosphinic acid resin, Tulsion CH-96. Journal of Radioanalytical and Nuclear Chemistry, 2008, 275, 563-570.	0.7	40
127	Chelating polymer-based membranes. Preparation and use for metal ion scavenging and sorption of murine immunoglobulin G by immobilized Ni(II) ions. Polymer Bulletin, 2008, 61, 147-156.	1.7	8

#	Article	IF	Citations
128	Synthesis, characterization, and bactericidal properties of composites based on crosslinked resins containing silver. Journal of Applied Polymer Science, 2008, 107, 1879-1886.	1.3	15
129	Salicylic acid and derivatives anchored on poly(styrene-co-divinylbenzene) resin and membrane via a diazo bridge: Synthesis, characterisation and application to metal extraction. Reactive and Functional Polymers, 2008, 68, 775-786.	2.0	31
130	Synthesis and characterization of a polystyrenic resin functionalized by catechol: Application to retention of metal ions. Reactive and Functional Polymers, 2008, 68, 1362-1370.	2.0	34
131	Synthesis of phosphinic acid resin using acidic 1-butyl-3-methylimidazolium chloroaluminate ionic liquid as catalyst. Desalination, 2008, 232, 11-19.	4.0	2
132	Introduction of bifunctionality into the phosphinic acid ion-exchange resin for enhancing metal ion complexation. Desalination, 2008, 232, 3-10.	4.0	11
133	Palladium and platinum binding on an imidazol containing resin. Hydrometallurgy, 2008, 92, 1-10.	1.8	53
134	Solid extractants prepared with ionic liquids and their use for recovery of actinides from nitric acid solutions. Radiochemistry, 2008, 50, 482.	0.2	12
135	Separation of Ga(III) from Cu(II), Ni(II) and Zn(II) in aqueous solution using synthetic polymeric resins. Open Chemistry, 2008, 6, 39-45.	1.0	12
136	Polymer Structure and Metal Ion Selectivity in Silica Polyamine Composites Modified with Sodium Chloroacetate and Nitriloacetic Acid (NTA) Anhydride. Industrial & Engineering Chemistry Research, 2008, 47, 6765-6774.	1.8	19
137	Cysteine functionalized poly(hydroxyethyl methacrylate) monolith for heavy metal removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 330, 161-167.	2.3	29
138	Effect of Brâ^'on the Adsorption Rate of Palladium(II) Ions onto Condensed-Tannin Gel in Chloride Media. Separation Science and Technology, 2008, 43, 2386-2395.	1.3	9
139	Heavy Metal Removal from Synthetic Solutions with Magnetic Beads Under Magnetic Field. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 635-642.	1.2	21
140	Synthesis and Characterization of Phosphonate Ester/Phosphonic Acid Grafted Styreneâ^'Divinylbenzene Copolymer Microbeads and Their Utility in Adsorption of Divalent Metal Ions in Aqueous Solutions. Industrial & Divalent Metal Research, 2008, 47, 2010-2017.	1.8	55
141	Application of Ionic Liquids for Solid-Phase Extraction of Trace Elements. Analytical Sciences, 2008, 24, 1351-1353.	0.8	54
142	Preconcentration of Rare Earth Elements in Seawater with Chelating Resin Having Fluorinated βâ€Diketone Immobilized on Styrene Divinyl Benzene for their Determination by ICPâ€OES. Journal of the Chinese Chemical Society, 2009, 56, 335-340.	0.8	28
143	Synthesis of gradient copolymers with complexing groups by RAFT polymerization and their solubility in supercritical CO ₂ . Journal of Polymer Science Part A, 2009, 47, 5448-5460.	2.5	44
144	Study on metal complexes of chelating resins bearing iminodiacetate groups. European Polymer Journal, 2009, 45, 2119-2130.	2.6	42
145	Preparation and characterization of polyethyleneglycolmethacrylate (PEGMA)-co-vinylimidazole (VI) microspheres to use in heavy metal removal. Journal of Hazardous Materials, 2009, 162, 1073-1080.	6.5	42

#	ARTICLE	IF	CITATIONS
146	Properties of a bifunctional chelating resin containing aminomethylphosphonate and sulfonate derived from poly (1%-bromobutylstyrene-co-divinylbenzene) beads. Reactive and Functional Polymers, 2009, 69, 828-835.	2.0	9
147	Extraction and sorption preconcentration of U(VI), Th(IV), and REE(III) from nitric acid solutions using bis[2-(diphenylphosphinyl)phenoxymethyl]phosphinic acid. Radiochemistry, 2009, 51, 269-273.	0.2	2
148	Palladium(II) recovery in extraction and sorption systems with 5-amino-1,2,4-thiadiazole derivatives. Russian Journal of Inorganic Chemistry, 2009, 54, 1849-1853.	0.3	2
149	Determination of uranium and thorium in natural waters by ICP-OES after on-line solid phase extraction and preconcentration in the presence of 2,3-dihydro-9,10-dihydroxy-1,4-antracenedion. Journal of Analytical Chemistry, 2009, 64, 602-608.	0.4	34
150	Synthesis of <i>N</i> -Methylimidazolium Functionalized Strongly Basic Anion Exchange Resins for Adsorption of Cr(VI). Industrial & Engineering Chemistry Research, 2009, 48, 3261-3267.	1.8	123
151	Affinity of Polymer-Supported Reagents for Lanthanides as a Function of Donor Atom Polarizability. Industrial & Donor Engineering Chemistry Research, 2009, 48, 6173-6187.	1.8	31
152	Improvement of Pd(II) Adsorption Performance of Condensed-tannin Gel by Amine Modification. Chemistry Letters, 2009, 38, 956-957.	0.7	17
153	Extraction and sorption preconcentration of rare-earth elements(III) and scandium(III) with phosphorylmethyl-substituted butylphenylphosphinates from perchloric acid solutions. Russian Journal of Inorganic Chemistry, 2010, 55, 1305-1311.	0.3	3
154	Batch and column separation characteristics of copper-imprinted porous polymer micro-beads synthesized by a direct imprinting method. Journal of Hazardous Materials, 2010, 173, 462-467.	6.5	106
155	Cadmium removal from aqueous solutions using biosorbent Syzygium cumini leaf powder: Kinetic and equilibrium studies. Korean Journal of Chemical Engineering, 2010, 27, 1547-1554.	1.2	26
156	Metal coordination and selectivity with oxine ligands bound to silica polyamine composites. Journal of Applied Polymer Science, 2010, 115, 2855-2864.	1.3	9
157	Reactive green HEâ€4BD functionalized supermacroporous poly(hydroxyethyl methacrylate) cryogel for heavy metal removal. Journal of Applied Polymer Science, 2010, 118, 2208-2215.	1.3	4
158	Preparation of bifunctional chelating fiber containing iminodi(methylphosphonate) and sulfonate and its performances in column-mode uptake of Cu(II) and Zn(II). Reactive and Functional Polymers, 2010, 70, 508-515.	2.0	11
159	Synthesis and Characterization of New Chelating Resin: Adsorption Study of Copper(II) and Chromium (III) Ions. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 552-557.	1.2	17
161	Characterization of a novel chelating resin of enhanced hydrophilicity and its analytical utility for preconcentration of trace metal ions. Talanta, 2010, 81, 1772-1780.	2.9	44
162	Plutonium. , 2010, , 813-1264.		24
163	Improved Adsorption Behaviors of Amine-Modified Tannin Gel for Palladium and Platinum Ions in Acidic Chloride Solutions. Industrial & Engineering Chemistry Research, 2011, 50, 1875-1880.	1.8	66
164	Cadmium(II) recovery from hydrochloric acid solutions using Amberlite XAD-7 impregnated with a tetraalkyl phosphonium ionic liquid. Reactive and Functional Polymers, 2011, 71, 1059-1070.	2.0	69

#	Article	IF	CITATIONS
165	Synthesis, characterization and evaluation of phosphorylated resins in the removal of Pb2+ from aqueous solutions. Polymer Bulletin, 2011, 67, 237-249.	1.7	8
166	Metal ion binding properties of a copolymer resin: synthesis, characterization, and its applications. Polymer Bulletin, 2011, 66, 803-820.	1.7	14
167	Removal of cationic dye from aqueous solution by adsorption onto crosslinked poly(4-vinylpyridine/crotonic acid) and its N-oxide derivative. Polymer Bulletin, 2011, 67, 125-140.	1.7	19
168	Removal of Pb ²⁺ and Cd ²⁺ ions from aqueous solutions using guanidine modified hydrogels. Polymers for Advanced Technologies, 2011, 22, 612-619.	1.6	27
169	Adsorption of Cadmium from Aqueous Solution by Ficus religiosa Leaf Powder and Characterization of Loaded Biosorbent. Clean - Soil, Air, Water, 2011, 39, 384-391.	0.7	39
170	Effect of solvent/monomer feed ratio on the structure and adsorption properties of Cu2+-imprinted microporous polymer particles. Chemical Engineering Journal, 2011, 166, 435-444.	6.6	34
171	Water-soluble functional polymers in conjunction with membranes to remove pollutant ions from aqueous solutions. Progress in Polymer Science, 2011, 36, 294-322.	11.8	145
172	Preparation and characterization of composite cryogels containing imidazole group and use in heavy metal removal. Reactive and Functional Polymers, 2011, 71, 985-993.	2.0	97
173	Metal Ion Removal Properties of Waterâ€Insoluble Functional Polymers. Macromolecular Symposia, 2011, 304, 40-45.	0.4	1
174	Effect of Crosslinker Chemical Structure and Monomer Compositions on Adsorption of Uranium (VI) lons Based on Reactive Crosslinked Acrylamidoxime Acrylic Acid Resins. Journal of Dispersion Science and Technology, 2011, 32, 1219-1229.	1.3	3
175	Application of PorousN-Methylimidazolium Strongly Basic Anion Exchange Resins on Cr(VI) Adsorption from Electroplating Wastewater. Separation Science and Technology, 2012, 47, 256-263.	1.3	21
176	Effect of Crosslinker Chemical Structure and Monomer Compositions on Adsorption of Uranium (VI) lons Based on Reactive Crosslinked Acrylamidoxime Acrylic Acid Resins. Journal of Dispersion Science and Technology, 2012, 33, 490-496.	1.3	10
177	Extraction of Cobalt Ion from Textile Using a Complexing Macromolecular Surfactant in Supercritical Carbon Dioxide. Industrial & Engineering Chemistry Research, 0, , 121219151443008.	1.8	4
178	Novel Polymeric Adsorbents Bearing Amide, Pyridyl, Azomethine and Thiourea Binding Sites for the Removal of Cu(II) and Pb(II) Ions from Aqueous Solution. Separation Science and Technology, 2012, 48, 254-262.	1.3	17
179	Extraction of hexachloroplatinate from hydrochloric acid solutions with phosphorylated hexane-1,6-diyl polymers. Reactive and Functional Polymers, 2012, 72, 878-888.	2.0	1
180	Synthesis and Characterization of a Few Amino-Functionalized Copolymeric Resins and Their Environmental Applications. Industrial & Environmental Applications. Industrial & Environmental Applications.	1.8	24
181	Solidâ€phase extraction in the determination of gold, palladium, and platinum. Journal of Separation Science, 2012, 35, 1249-1265.	1.3	72
182	Solidâ€phase extraction and preâ€concentration of trace metals in natural waters using indigenously synthesized chelating resin and their subsequent determination by ICPâ€OES. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 389-395.	0.8	3

#	Article	IF	CITATIONS
183	Investigation of Pb(II) adsorption onto natural and synthetic polymers. Journal of Applied Polymer Science, 2012, 125, 716-724.	1.3	10
184	Poly(acrylic acid/acrylamide/sodium humate) superabsorbent hydrogels for metal ion/dye adsorption: Effect of sodium humate concentration. Journal of Applied Polymer Science, 2012, 125, 1267-1283.	1.3	58
185	Catechol immobilized on crosslinked polystyrene resins by grafting or copolymerization: Incidence on metal ions adsorption. Reactive and Functional Polymers, 2012, 72, 98-106.	2.0	20
186	Preparation and characterization of La(III) encapsulated silica gel/chitosan composite and its metal uptake studies. Journal of Hazardous Materials, 2012, 203-204, 29-37.	6.5	81
187	Preparation, Characterization of a Novel Chelating Resin Functionalized with ⟨i>o⟨ i>â€Hydroxybenzamide and Its Application for Preconcentration of Trace Metal Ions. Clean - Soil, Air, Water, 2012, 40, 54-65.	0.7	23
188	Analytical applications of newly synthesized copolymer resin derived from <i>p</i> à€eminophenol, dithiooxamide, and formaldehyde. Journal of Applied Polymer Science, 2012, 123, 1421-1427.	1.3	12
189	Poly(N-hydroxymethyl acrylamide-co-acrylic acid) and poly(N-hydroxymethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Polymer Bulletin, 2012, 68, 391-403.	0 507 ⁻ 1.7	Td (acrylamide-co 12
190	Adsorptive removal of Pb(II) from aqueous solution using nano-sized hydroxyapatite. Applied Water Science, 2013, 3, 105-113.	2.8	51
191	Sorption properties of a new thermosensitive copolymeric sorbent bearing phosphonic acid moieties in multi-component solution of cationic species. Journal of Hazardous Materials, 2013, 260, 425-433.	6.5	24
192	Recent advances on ion-imprinted polymers. Reactive and Functional Polymers, 2013, 73, 859-875.	2.0	275
193	A Review: Studies on Uranium Removal Using Different Techniques. Overview. Journal of Dispersion Science and Technology, 2013, 34, 182-213.	1.3	93
194	Preparation, Characterization, and Thermal Degradation Studies of p-Nitrophenol-Based Copolymer. Journal of Chemistry, 2013, 2013, 1-9.	0.9	9
195	Uptake of actinides by sulphonated phosphinic acid resin from acid medium. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1185-1188.	0.7	2
196	Removal of hexavalent chromium ions using polyaniline/silica gel composite. Journal of Water Process Engineering, 2014, 1, 37-45.	2.6	103
197	Adsorption and chromatographic separation of rare earths with EDTA- and DTPA-functionalized chitosan biopolymers. Journal of Materials Chemistry A, 2014, 2, 1530-1540.	5.2	166
198	Removal of americium from aqueous nitrate solutions by sorption onto PC88Aâ€"Impregnated macroporous polymeric beads. Journal of Hazardous Materials, 2014, 278, 464-473.	6.5	22
199	Synthesis and characterization of a novel hybrid material as amphoteric ion exchanger for simultaneous removal of cations and anions. Journal of Hazardous Materials, 2014, 276, 138-148.	6.5	22
200	One-pot synthesis of TBTA-functionalized coordinating polymers. Reactive and Functional Polymers, 2014, 82, 1-8.	2.0	11

#	Article	IF	Citations
201	Studies on BenzoDODA encapsulated polymeric beads for separation of plutonium from acidic solution. Separation and Purification Technology, 2015, 154, 186-192.	3.9	5
202	Synthesis and characterization of ionâ€imprinted resin for selective removal of UO ₂ (II) ions from aqueous medium. Journal of Molecular Recognition, 2015, 28, 306-315.	1.1	14
203	Adsorptive Removal and Adsorption Kinetics of Fluoroquinolone by Nano-Hydroxyapatite. PLoS ONE, 2015, 10, e0145025.	1.1	32
204	Synthesis and Characterization of a Novel Hybrid Chelating Ion Exchanger and its Application as an Amphoteric Exchanger. Separation Science and Technology, 2015, 50, 343-353.	1.3	2
205	Solid-Phase Extraction of Pt(IV) with Dialkyl-(hexane-1,6-diyl) Phosphate Modified Merrifield Resins from Aqueous Chloride Media in Column Operations. Separation Science and Technology, 2015, 50, 191-206.	1.3	3
206	Studies on uptake behavior of Hg(II) and Pb(II) by amine modified glycidyl methacrylate–styrene–N,N′-methylenebisacrylamide terpolymer. Reactive and Functional Polymers, 2015, 93, 22-29.	2.0	25
207	Synthesis of siloxane-modified melamine-formaldehyde microsphere and its heavy metal ions adsorption by coordination effects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 491-499.	2.3	20
208	Effects of temperature on the preparation and characteristics of hydroxyapatite and its adsorptive properties toward lead. New Journal of Chemistry, 2015, 39, 3597-3607.	1.4	24
209	Transitional metals immobilized by coordination on aminophosphonate functionalized copolymers and their catalytic properties. Journal of Molecular Catalysis A, 2015, 408, 262-270.	4.8	17
210	Biomimetic design of chelating interfaces. Journal of Applied Polymer Science, 2015, 132, .	1.3	29
211	A new and effective nanobiocomposite for sequestration of Cd(II) ions: Nanoscale zerovalent iron supported on sineguelas seed waste. Chemical Engineering Research and Design, 2015, 93, 696-709.	2.7	34
212	ARSENIC SORPTION USING MIXTURES OF ION EXCHANGE RESINS CONTAINING N-METHYL-D-GLUCAMINE AND QUATERNARY AMMONIUM GROUPS. Journal of the Chilean Chemical Society, 2016, 61, 2752-2756.	0.5	7
213	Polymeric Materials for the Separation of <i>f</i> -Elements Utilizing Carbamoylmethylphosphine Oxide Chelating Ligands. ACS Macro Letters, 2016, 5, 1100-1103.	2.3	24
214	Cooperative adsorption of critical metal ions using archaeal poly-Î ³ -glutamate. BioMetals, 2016, 29, 527-534.	1.8	8
215	BenzoDODA grafted polymeric resinâ€"Plutonium selective solid sorbent. Journal of Hazardous Materials, 2016, 318, 186-193.	6.5	11
216	Effect of porogen solvent on the properties of nickel ion imprinted polymer materials prepared by inverse suspension polymerization. European Polymer Journal, 2017, 87, 124-135.	2.6	30
217	Preparation of ethyleneamine functionalized crosslinked poly(acrylonitrile-ethylene) Tj ETQq0 0 0 rgBT /Overlock Technology, 2017, 52, 447-455.	10 Tf 50 1 1.3	107 Td (glyco 8
218	Prediction of resin textural properties by vinyl/divinyl copolymerization modeling. Polymer, 2017, 129, 21-31.	1.8	8

#	Article	IF	CITATIONS
219	DTPA-Functionalized Silica Nano- and Microparticles for Adsorption and Chromatographic Separation of Rare Earth Elements. ACS Sustainable Chemistry and Engineering, 2018, 6, 6889-6900.	3.2	49
220	Removal of fluoroquinolone from aqueous solution using graphene oxide: experimental and computational elucidation. Environmental Science and Pollution Research, 2018, 25, 2942-2957.	2.7	52
221	Simultaneous voltammetric analysis of lead, copper and mercury ions by carbon paste electrode based on 1-(3-aminopropyl) imidazole modified polymer. International Journal of Environmental Analytical Chemistry, 2018, 98, 889-906.	1.8	2
222	Preparation, Kinetics, Thermodynamics, and Mechanism Evaluation of Thiosemicarbazide Modified Green Carboxymethyl Cellulose as an Efficient Cu(II) Adsorbent. Journal of Chemical & Description (II) Data, 2018, 63, 1905-1916.	1.0	31
223	Sulfonated poly (styreneâ€coâ€ethylene glycol dimethacrylate) with attractive ion exchange capacity. Polymers for Advanced Technologies, 2018, 29, 2759-2765.	1.6	8
224	Encapsulated polymeric beads impregnating unexplored amide, N,N′-bis(2-ethyl hexyl) α-hydroxy acetamide (BEHGA) – preparation, sorption and kinetic studies for tri-, tetra- and hexavalent radionuclides. Radiochimica Acta, 2018, 106, 319-327.	0.5	1
225	Synthesis and characterization of molecularly imprinted magnetite nanomaterials as a novel adsorbent for the removal of heavy metals from aqueous solution. Journal of Materials Research and Technology, 2019, 8, 4239-4252.	2.6	31
226	Use of poly(vinylidene fluoride- <i>co</i> -vinyl dimethylphosphonate) copolymers for efficient extraction of valuable metals. Polymer Chemistry, 2019, 10, 4173-4184.	1.9	7
227	Morphology, Modification and Characterisation of Electrospun Polymer Nanofiber Adsorbent Material Used in Metal Ion Removal. Journal of Polymers and the Environment, 2019, 27, 1843-1860.	2.4	44
228	Ag+ ions imprinted cryogels for selective removal of silver ions from aqueous solutions. Separation Science and Technology, 2019, 54, 2993-3004.	1.3	18
229	Polymer sequestrants for biological and environmental applications. Polymer International, 2019, 68, 1220-1237.	1.6	16
230	Environmentally Friendly Synthesis of Lightweight Terpolymer/Hydrophilic Bentonite Composites for Water Decontamination. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, AZO-functionalized polystyrene supported Copper nanoparticles: An economical and highly efficient	1.9	8
231	catalyst for A <mml:math altimg="si1.svg" display="inline" id="d1e232" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow></mml:mrow><mml:mrow></mml:mrow></mml:msup></mml:math> and KA <mml:math <="" display="inline" id="d1e240" td="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><td>1.9</td><td>12</td></mml:math>	1.9	12
232	altimg="si2.svg"> <mml:msup><mml:mrow /simpl:mrow / mml:mrow / mml:msu Solidae Liquid Europium Ion Extraction via Phosphonic Acid-Functionalized Polyvinylidene Fluoride Siloxanes. Polymers, 2020, 12, 1955.</mml:mrow </mml:msup>	2.0	3
233	Acidic polymeric sorbents for the removal of metallic pollution in water: A review. Reactive and Functional Polymers, 2020, 152, 104599.	2.0	63
234	Mathematical Modeling of Poly[styrene-co-(ethylene glycol dimethacrylate)] Sulfonation. Kinetics and Catalysis, 2021, 62, 188-195.	0.3	2
235	Thermal degradation investigations of newly synthesized terpolymeric polychelates. Materials Today: Proceedings, 2021, 47, 1920-1928.	0.9	5
236	A Review of Adsorbents for Heavy Metal Decontamination: Growing Approach to Wastewater Treatment. Materials, 2021, 14, 4702.	1.3	95

#	Article	IF	CITATIONS
237	Selective Metal omplexation on Polymeric Templates and Their Investigation via Isothermal Titration Calorimetry. Macromolecular Chemistry and Physics, 0, , 2100295.	1.1	2
238	Noble metal binding on macroporous poly(GMA-co-EGDMA) modified with ethylenediamine. Journal of the Serbian Chemical Society, 2004, 69, 455-460.	0.4	17
239	Polymer-Supported Phosphoric, Phosphonic and Phosphinic Acids—From Synthesis to Properties and Applications in Separation Processes. Molecules, 2020, 25, 4236.	1.7	15
240	Batch Studies for Sorption of Ga(III), Cu(II), Ni(II) and Zn(II) Ions onto Synthetic Polymeric Resins. Open Journal of Inorganic Chemistry, 2015, 05, 19-29.	0.7	4
241	Microemulsion Polymerization. Surfactant Science, 2003, , .	0.0	0
242	Research on Adsorption Behavior and Preparation of Submicron Lead Ion Imprinted Polymers. Advances in Material Chemistry, 2018, 06, 90-97.	0.0	0
243	Chromium Adsorption from Aqueous Solution onto Dowex Retardion $11A8$ and Amberlite IRA 743 Free Base: An Insight into the Mechanism. Current Analytical Chemistry, $2020,17,.$	0.6	1
244	Molecularly imprinted magnetite nanomaterials and its application as corrosion inhibitors. , 2022, , 55-83.		0
245	New route for removal of Cu(II) using fabricated nanocomposite based on cationic surfactant/Ag-nanoparticles/silica gel. Arabian Journal of Chemistry, 2022, 15, 103897.	2.3	2
246	Synthesis and Characterization of Copolymer Derived from 2-Amino 6-Nitrobenzothiazole, Biuret and Formaldehyde and Their study as Ion Exchange Resin for Toxic Cationic Elements. International Journal of Advanced Research in Science, Communication and Technology, 0, , 461-468.	0.0	0
248	A Review on Polyacrylonitrile as an Effective and Economic Constituent of Adsorbents for Wastewater Treatment. Molecules, 2022, 27, 8689.	1.7	4
249	Molecularly imprinted magnetite nanomaterials for energy storage applications. , 2023, , 475-496.		0
250	High-capacity/high-rate hybrid column for high-performance ion exchange. Environmental Research, 2023, 228, 115882.	3.7	0