List of Publications by Year in descending order

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		117625	155660
261	5,483	34	55
papers	citations	h-index	g-index
263	263	263	4658
all docs	docs citations	times ranked	citing authors

REDNARÃO L DIVAS

#	Article	IF	CITATIONS
1	Application of nanocomposite polyelectrolytes for the removal of antibiotics as emerging pollutants in water. Journal of Water Process Engineering, 2022, 46, 102582.	5.6	12
2	Chromate ion removal by waterâ€soluble functionalized chitosan. Polymers for Advanced Technologies, 2021, 32, 2690-2699.	3.2	9
3	Direct ionization and solubility of chitosan in aqueous solutions with acetic acid. Polymer Bulletin, 2021, 78, 1465-1488.	3.3	15
4	Polymerâ€based chromogenic sensors for the detection of compounds of environmental interest. Polymer International, 2021, 70, 1202-1208.	3.1	4
5	Water-soluble polymers with the ability to remove amoxicillin as emerging pollutant from water. Environmental Technology and Innovation, 2021, 23, 101589.	6.1	8
6	A cobalt oxide–polypyrrole nanocomposite as an efficient and stable electrode material for electrocatalytic water oxidation. Sustainable Energy and Fuels, 2021, 5, 4710-4723.	4.9	5
7	Removal of Dyes by Polymer-Enhanced Ultrafiltration: An Overview. Polymers, 2021, 13, 3450.	4.5	16
8	Hydrogels derived from galactoglucomannan hemicellulose with inorganic contaminant removal properties. RSC Advances, 2021, 11, 35960-35972.	3.6	5
9	Polymeric microspheres as support to co-immobilized Agaricus bisporus and Trametes versicolor laccases and their application in diazinon degradation. Arabian Journal of Chemistry, 2020, 13, 4218-4227.	4.9	24
10	Polymer supports for the removal and degradation of hazardous organic pollutants: an overview. Polymer International, 2020, 69, 333-345.	3.1	16
11	Tetracycline removal by polyelectrolyte copolymers in conjunction with ultrafiltration membranes through liquid-phase polymer-based retention. Environmental Research, 2020, 182, 109014.	7.5	21
12	Polyelectrolyte nanocomposite hydrogels filled with cationic and anionic clays. Carbohydrate Polymers, 2020, 232, 115824.	10.2	9
13	Multienzymatic immobilization of laccases on polymeric microspheres: A strategy to expand the maximum catalytic efficiency. Journal of Applied Polymer Science, 2020, 137, 49562.	2.6	10
14	N-Alkylated chitosan coupled to the liquid-phase polymer-based retention (LPR) technique to remove arsenic (V) from aqueous systems. Journal of Hazardous Materials, 2020, 400, 123216.	12.4	8
15	Antibiotics removal using a chitosan-based polyelectrolyte in conjunction with ultrafiltration membranes. Chemosphere, 2020, 258, 127416.	8.2	31
16	Removal of chromium ions by functional polymers in conjunction with ultrafiltration membranes. Pure and Applied Chemistry, 2020, 92, 883-896.	1.9	8
17	Application of the liquid-phase polymer-based retention technique to the sorption of molybdenum(VI) and vanadium(V). Polymer Bulletin, 2019, 76, 539-552.	3.3	12
18	Heavy metal removal from aqueous systems using hydroxyapatite nanocrystals derived from clam shells. RSC Advances, 2019, 9, 22883-22890.	3.6	32

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19	Removal of molybdate and vanadate ions by a copolymer adsorbent in a ultrafiltration system. Journal of Applied Polymer Science, 2019, 136, 48184.	2.6	5
20	Copolymer–hydrous zirconium oxide hybrid microspheres for arsenic sorption. Water Research, 2019, 166, 115044.	11.3	32
21	Molecularly Imprinted Nanoparticles Assay (MINA) in Pseudo ELISA: An Alternative to Detect and Quantify Octopamine in Water and Human Urine Samples. Polymers, 2019, 11, 1497.	4.5	16
22	Immobilization of <i>Myceliophthora thermophila</i> laccase on poly(glycidyl methacrylate) microspheres enhances the degradation of azinphosâ€methyl. Journal of Applied Polymer Science, 2019, 136, 47417.	2.6	19
23	Nanoparticles of 4,7â€dichloroâ€2â€quinolinemethylacrylateâ€based copolymers and their potential cytotoxic activity on human breast carcinoma cells. Journal of Applied Polymer Science, 2019, 136, 47545.	2.6	1
24	Preparation of alkylated chitosan-based polyelectrolyte hydrogels: The effect of monomer charge on polymerization. European Polymer Journal, 2019, 118, 551-560.	5.4	20
25	Hydrogels derived from 2-hydroxyethyl-methacrylate and 2-acrylamido-2-methyl-1-propanesulfonic acid, with ability to remove metal cations from wastewater. Polymer Bulletin, 2019, 76, 6503-6528.	3.3	16
26	Polymer films containing chemically anchored diazonium salts with long-term stability as colorimetric sensors. Journal of Hazardous Materials, 2019, 365, 725-732.	12.4	22
27	Chitosan–tripolyphosphate bead: the interactions that govern its formation. Polymer Bulletin, 2019, 76, 3879-3903.	3.3	16
28	LIQUID-PHASE POLYMER-BASED RETENTION TO REMOVE ARSENIC FROM WATER. Journal of the Chilean Chemical Society, 2019, 64, 4513-4522.	1.2	3
29	ACTIVATED POLYPROPYLENE MEMBRANES WITH ION-EXCHANGE POLYMERS TO TRANSPORT CHROMIUM IONS IN WATER. Journal of the Chilean Chemical Society, 2019, 64, 4597-4606.	1.2	5
30	Synthesis of a polymeric sensor containing an occluded pyrylium salt and its application in the colorimetric detection of trimethylamine vapors. Journal of Applied Polymer Science, 2018, 135, 46185.	2.6	8
31	Synthetic strong base anion exchange resins: synthesis and sorption of Mo(VI) and V(V). Polymer Bulletin, 2018, 75, 729-746.	3.3	7
32	Release of essential oil constituent from thermoplastic starch/layered silicate bionanocomposite film as a potential active packaging material. European Polymer Journal, 2018, 109, 64-71.	5.4	30
33	Hydrogels based on alkylated chitosan and polyelectrolyte copolymers. Journal of Applied Polymer Science, 2018, 135, 46556.	2.6	11
34	Cr(III) REMOVAL FROM AQUEOUS SOLUTION BYION EXCHANGE RESINS CONTAINING CARBOXYLIC ACID AND SULPHONIC ACID GROUPS. Journal of the Chilean Chemical Society, 2018, 63, 4012-4018.	1.2	6
35	Molecularly Imprinted Polymers for the Selective Extraction of Bisphenol A and Progesterone from Aqueous Media. Polymers, 2018, 10, 679.	4.5	23
36	Nickel oxide–polypyrrole nanocomposite electrode materials for electrocatalytic water oxidation. Catalysis Science and Technology, 2018, 8, 4030-4043.	4.1	20

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37	Antioxidant and antifungal effects of eugenol incorporated in bionanocomposites of poly(3-hydroxybutyrate)-thermoplastic starch. LWT - Food Science and Technology, 2018, 98, 260-267.	5.2	53
38	Water-Soluble and Insoluble Polymers, Nanoparticles, Nanocomposites and Hybrids With Ability to Remove Hazardous Inorganic Pollutants in Water. Frontiers in Chemistry, 2018, 6, 320.	3.6	61
39	Ultrafiltration membranes with three water-soluble polyelectrolyte copolymers to remove ciprofloxacin from aqueous systems. Chemical Engineering Journal, 2018, 351, 85-93.	12.7	57
40	Amberlite IRA-400 and IRA-743 chelating resins for the sorption and recovery of molybdenum(VI) and vanadium(V): Equilibrium and kinetic studies. Hydrometallurgy, 2017, 169, 496-507.	4.3	33
41	Interpenetrating polymers supported on microporous polypropylene membranes for the transport of chromium ions. Chinese Journal of Chemical Engineering, 2017, 25, 938-946.	3.5	7
42	Poly(3â€hydroxybutyrate)–thermoplastic starch–organoclay bionanocomposites: Surface properties. Journal of Applied Polymer Science, 2017, 134, 45217.	2.6	12
43	Immobilization <i>of <scp>T</scp>rametes versicolor</i> laccase on different <scp>PGMA</scp> â€based polymeric microspheres using response surface methodology: Optimization of conditions. Journal of Applied Polymer Science, 2017, 134, 45249.	2.6	17
44	Preparation and characterization of waterâ€soluble polymers and their utilization in chromium sorption. Journal of Applied Polymer Science, 2017, 134, 45355.	2.6	20
45	Thermoplastic starch/clay nanocomposites loaded with essential oil constituents as packaging for strawberries â^' In vivo antimicrobial synergy over Botrytis cinerea. Postharvest Biology and Technology, 2017, 129, 29-36.	6.0	103
46	Teaching Polymer Science in the Department of Polymers at the University of Concepción, Chile: A Brief History. Journal of Chemical Education, 2017, 94, 1702-1713.	2.3	2
47	Metal ion sorption by chitosan–tripolyphosphate beads. Journal of Applied Polymer Science, 2017, 134, 45511.	2.6	26
48	Soluble Polymer Containing an N-Methyl-D-glucamine Ligand for the Removal of Pollutant Oxy-Anions from Water. ACS Symposium Series, 2017, , 197-211.	0.5	0
49	Removal of Cr(VI) from aqueous solution by a highly efficient chelating resin. Polymer Bulletin, 2017, 74, 2033-2044.	3.3	8
50	NEW SYNTHESIS METHOD TO OBTAIN A METHACRYLIC MONOMER WITH A PYRYLIUM GROUP. Journal of the Chilean Chemical Society, 2017, 62, 3558-3561.	1.2	1
51	DETERMINATION OF UREA USING p -N,N-DIMETHYLAMINOBENZALDEHYDE: SOLVENT EFFECT AND INTERFERENCE OF CHITOSAN. Journal of the Chilean Chemical Society, 2017, 62, 3538-3542.	1.2	15
52	EFFICIENT REMOVAL OF Cr(VI) BY POLYELECTROLYTE-ASSISTED ULTRAFILTRATION AND SUBSEQUENT ELECTROCHEMICAL REDUCTION TO Cr(III). Journal of the Chilean Chemical Society, 2017, 62, 3647-3652.	1.2	11
53	FERROCENYL ALKYLAMMONIUM N-SUBSTITUTED POLYPYRROLE CONTAINING Pt AND Pd AND ITS APPLICATION ON ELECTROANALYSIS OF ARSENITE. Journal of the Chilean Chemical Society, 2016, 61, 3277-3280.	1.2	5
54	Polymers and nanocomposites: synthesis and metal ion pollutant uptake. Polymer International, 2016, 65, 255-267.	3.1	25

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55	Short―and longâ€term loss of carvacrol from polymer/clay nanocomposite film – a chemometric approach. Polymer International, 2016, 65, 483-490.	3.1	10
56	Functionalized galactoglucomannanâ€based hydrogels for the removal of metal cations from aqueous solutions. Journal of Applied Polymer Science, 2016, 133, .	2.6	14
57	Removal of boron from water through soluble polymer based on N-methyl-D-glucamine and regenerated-cellulose membrane. Desalination and Water Treatment, 2016, 57, 861-869.	1.0	16
58	Quaternized hydroxyethyl cellulose ethoxylate and membrane separation techniques for arsenic removal. Desalination and Water Treatment, 2016, 57, 25161-25169.	1.0	15
59	Equilibrium and kinetic study of chromium sorption on resins with quaternary ammonium and N-methyl- d -glucamine groups. Chemical Engineering Journal, 2016, 284, 395-404.	12.7	52
60	lon-selective interpenetrating polymer networks supported inside polypropylene microporous membranes for the removal of chromium ions from aqueous media. Polymer Bulletin, 2016, 73, 989-1013.	3.3	11
61	Poly([(2-methacryloyloxy)ethyl]trimethylammonium chloride): synthesis, characterization, and removal properties of As(V). Polymer Bulletin, 2016, 73, 875-890.	3.3	8
62	Ultrafiltration assisted by water-soluble poly(diallyl dimethyl ammonium chloride) for As(V) removal. Polymer Bulletin, 2016, 73, 241-254.	3.3	9
63	Polypropylene membranes modified with interpenetrating polymer networks for the removal of chromium ions. Journal of Applied Polymer Science, 2015, 132, .	2.6	6
64	Waterâ€soluble polymer associated to regenerated cellulose membrane for boron removal. Macromolecular Symposia, 2015, 351, 37-45.	0.7	1
65	Composite hydrogel based on surface modified mesoporous silica and poly[(2-acryloyloxy)ethyl trimethylammonium chloride]. Materials Chemistry and Physics, 2015, 152, 69-76.	4.0	13
66	Poly(2-acrylamidoglycolic acid-co-2-acrylamide-2-methyl-1-propane sulfonic acid) and poly(2-acrylamidoglycolic acid-co-4-styrene sodium sulfonate): synthesis, characterization, and properties for use in the removal of Cd(II), Hg(II), Zn(II), and Pb(II). Polymer Bulletin, 2015, 72, 339-352.	3.3	15
67	Cationic polymer–TiO2 nanocomposite sorbent for arsenate removal. Chemical Engineering Journal, 2015, 268, 362-370.	12.7	41
68	Effect of functionalized trititanate nanotubes on the properties of crosslinked cationic polymer nanocomposite. Polymer International, 2015, 64, 1121-1127.	3.1	6
69	Quaternised chitosan in conjunction with ultrafiltration membranes to remove arsenate and chromate ions. Polymer Bulletin, 2015, 72, 1365-1377.	3.3	16
70	The synergistic antimicrobial effect of carvacrol and thymol in clay/polymer nanocomposite films over strawberry gray mold. LWT - Food Science and Technology, 2015, 64, 390-396.	5.2	60
71	Poly(3-methyltiophene)- Multi Walled Carbon Nanotubes Composite Electrodes. , 2015, 8, 251-260.		2
72	Water-soluble polyelectrolyte in conjunction with membrane systems: modeling and simulation of retention profiles from washing method. Polymer Bulletin, 2015, 72, 535-548.	3.3	3

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73	Electrochemical oxidation and removal of arsenic using water-soluble polymers. Journal of Applied Electrochemistry, 2015, 45, 151-159.	2.9	23
74	Polymer/clay nanocomposite films as active packaging material: Modeling of antimicrobial release. European Polymer Journal, 2015, 71, 461-475.	5.4	49
75	Effect of the coupling agent on the properties of poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 T Polymer International, 2015, 64, 595-604.	īd (acid)â^ 3.1	' <scp>Al<s 11</s </scp>
76	Poly(<i>N</i> â€vinylpyrrolidoneâ€ <i>co</i> â€2â€acrylamidoâ€2â€methylpropanesulfonate sodium): Synthesis, characterization, and its potential application for the removal of metal ions from aqueous solution. Journal of Applied Polymer Science, 2015, 132, .	2.6	21
77	Hydrogenation of nitro-compounds over rhodium catalysts supported on poly[acrylic acid]/Al2O3 composites. Applied Catalysis A: General, 2015, 489, 280-291.	4.3	23
78	Waterâ€insoluble copolymer based on <i>N</i> â€methylâ€ <scp>d</scp> â€glucamine and quaternary ammoniun groups with capability to remove arsenic. Environmental Progress and Sustainable Energy, 2014, 33, 1187-1193.	ו 2.3	4
79	PREPARATION OF MOLECULARLY IMPRINTED POLYMERS FOR DIPHENYLAMINE REMOVAL FROM ORGANIC GUNSHOT RESIDUES. Journal of the Chilean Chemical Society, 2014, 59, 2731-2736.	1.2	9
80	FUNCTIONAL ION MEMBRANES SUPPORTED INSIDE MICROPOROUS POLYPROPYLENE MEMBRANES TO TRANSPORT CHROMIUM IONS: DETERMINATION OF MASS TRANSPORT COEFFICIENT. Journal of the Chilean Chemical Society, 2014, 59, 2737-2746.	1.2	3
81	POLY(ACRYLAMIDE-co-STYRENE SODIUM SULFONATE) AND POLY(2-ACRYLAMIDE-2-METHYL-1-PROPANESULFONIC ACID-co-ACRYLIC ACID) RESINS WITH REMOVAL PROPERTIES FOR Hg(II), Pb(II), Cd(II), and Zn(II). Journal of the Chilean Chemical Society, 2014, 59, 2420-2426.	1.2	3
82	A comparative study of removal of Cr(<scp>VI</scp>) by ion exchange resins bearing quaternary ammonium groups. Journal of Chemical Technology and Biotechnology, 2014, 89, 851-857.	3.2	25
83	Removal of arsenic from water by combination of electroâ€oxidation and polymer enhanced ultrafiltration. Environmental Progress and Sustainable Energy, 2014, 33, 918-924.	2.3	20
84	Sorption properties of chelating polymer–clay nanoâ€composite resin based on iminodiacetic acid and montmorillonite: water absorbency, metal ion uptake, selectivity, and kinetics. Journal of Chemical Technology and Biotechnology, 2014, 89, 249-258.	3.2	18
85	Concentration–polarization effect of poly(sodium styrene sulfonate) on size distribution of colloidal silver nanoparticles during diafiltration experiments. Colloid and Polymer Science, 2014, 292, 619-626.	2.1	8
86	Modification of ultrafiltration membranes via interpenetrating polymer networks for removal of boron from aqueous solution. Journal of Membrane Science, 2014, 466, 192-199.	8.2	34
87	Antibacterial activity and cytotoxicity of hydrogel–nanosilver composites based on copolymers from 2â€acrylamidoâ€2â€methylpropanesulfonate sodium. Journal of Applied Polymer Science, 2014, 131, .	2.6	8
88	Removal of Cr(VI) by a chelating resin containing N-methyl-d-glucamine. Polymer Bulletin, 2014, 71, 1813-1825.	3.3	13
89	Application of design of experiments, response surface methodology and partial least squares regression on nanocomposites synthesis. Polymer Bulletin, 2014, 71, 1961-1982.	3.3	13
90	Bacterial generation of liquid arsenic waste and the application of water-soluble polymers for arsenic ions separation. Reviews in Environmental Science and Biotechnology, 2014, 13, 277-284.	8.1	5

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91	Waterâ€soluble polymer and photocatalysis for arsenic removal. Journal of Applied Polymer Science, 2014, 131, .	2.6	13
92	Size separation of silver nanoparticles by dead-end ultrafiltration: Description of fouling mechanism by pore blocking model. Journal of Membrane Science, 2014, 455, 7-14.	8.2	35
93	Removal of As(V) using liquid-phase polymer-based retention (LPR) technique with regenerated cellulose membrane as a filter. Polymer Bulletin, 2013, 70, 2633-2644.	3.3	12
94	Synthesis, characterization, and sorption properties of water-insoluble poly(2-acrylamido-2-methyl-1-propane sulfonic acid)–montmorillonite composite. Polymer Bulletin, 2013, 70, 1143-1162.	3.3	15
95	Novel N-methyl-D-glucamine-based water-soluble polymer and its potential application in the removal of arsenic. Separation and Purification Technology, 2013, 103, 1-7.	7.9	35
96	Preparation and characterization of hydrogel–nanosilver composites based on copolymers from sodium 2â€acrylamidoâ€2â€methylpropanesulfonate. Journal of Applied Polymer Science, 2013, 129, 537-548.	2.6	8
97	Electrosynthesized iridium oxide-polymer nanocomposite thin films for electrocatalytic oxidation of arsenic(III). Electrochimica Acta, 2013, 110, 465-473.	5.2	33
98	Removal of boron from geothermal water by a novel boron selective resin. Desalination, 2013, 310, 102-108.	8.2	35
99	Removal of arsenite by coupled electrocatalytic oxidation at polymer–ruthenium oxide nanocomposite and polymer-assisted liquid phase retention. Applied Catalysis B: Environmental, 2013, 129, 130-136.	20.2	31
100	Boron removal by liquidâ€phase polymerâ€based retention technique using poly(glycidyl methacrylate) Tj ETQq0	0.0 rgBT 2.6	Overlock 10
101	Optimization of processing parameters for the synthesis of low-density polyethylene/organically modified montmorillonite nanocomposites using X-ray diffraction with experimental design. Polymer International, 2013, 62, 548-553.	3.1	7
102	WATER-SOLUBLE CATIONIC CELLULOSE COUPLED TO A ULTRAFILTRATION MEMBRANE FOR THE REMOVAL OF ARSENIC AND CHROMIUM. Journal of the Chilean Chemical Society, 2013, 58, 1986-1990.	1.2	9
103	Liquidâ€Phase Polymerâ€Based Retention of Chromate and Arsenate Oxyâ€Anions. Macromolecular Symposia, 2012, 317-318, 123-136.	0.7	3
104	Chelating water-soluble polymers associated with ultrafiltration membranes for metal ion removal. Polymer Bulletin, 2012, 69, 881-898.	3.3	12
105	Removal of arsenate from ionic mixture by anion exchanger water-soluble polymers combined with ultrafiltration membranes. Polymer Bulletin, 2012, 69, 1007-1022.	3.3	11
106	Water-insoluble polymer–clay nanocomposite ion exchange resin based on N-methyl-d-glucamine ligand groups for arsenic removal. Reactive and Functional Polymers, 2012, 72, 642-649.	4.1	63
107	Poly(sodium 4â€styrene sulfonate) and poly(2â€acrylamido glycolic acid) polymer–clay ion exchange resins with enhanced mechanical properties and metal ion retention. Polymer International, 2012, 61, 23-29.	3.1	20
108	Poly(ethylene glycol) as a compatibilizer and plasticizer of poly(lactic acid)/clay nanocomposites. High Performance Polymers, 2012, 24, 254-261.	1.8	23

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109	Metal ion sorption properties of water-insoluble resins based on sodium styrene sulfonate and different comonomers. Polymer Bulletin, 2012, 68, 1537-1549.	3.3	11
110	Mercury and lead sorption properties of poly(ethyleneimine) coated onto silica gel. Polymer Bulletin, 2012, 68, 1577-1588.	3.3	13
111	Equilibrium and kinetic study of arsenic sorption by water-insoluble nanocomposite resin of poly[N-(4-vinylbenzyl)-N-methyl-d-glucamine]-montmorillonite. Chemical Engineering Journal, 2012, 193-194, 21-30.	12.7	45
112	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.) 627 Td (3.3	acrylamide-c 12
113	Complexing Polymer Films in The Preparation of Modified Electrodes for Detection of Metal Ions. Macromolecular Symposia, 2011, 304, 115-125.	0.7	11
114	Removal-concentration of pollutant metal-ions by water-soluble polymers in conjunction with double emulsion systems: A new hybrid method of membrane-based separation. Separation and Purification Technology, 2011, 81, 435-443.	7.9	25
115	Metal-ion retention properties of water-soluble amphiphilic block copolymer in double emulsion systems (w/o/w) stabilized by non-ionic surfactants. Journal of Colloid and Interface Science, 2011, 363, 682-689.	9.4	13
116	Cationic hydrophilic polymers coupled to ultrafiltration membranes to remove chromium (VI) from aqueous solution. Desalination, 2011, 279, 338-343.	8.2	46
117	Metal ion retention by emulsion liquid membrane coupled to liquid-phase polymer-based retention. Colloid and Polymer Science, 2011, 289, 1695-1709.	2.1	6
118	Water-soluble copolymers in conjunction with ultrafiltration membranes to remove arsenate ions. Polymer Bulletin, 2011, 67, 441-453.	3.3	6
119	Poly(I-lysine) as a polychelatogen to remove toxic metals using ultrafiltration and bactericide properties of poly(I-lysine)–Cu2+ complexes. Polymer Bulletin, 2011, 67, 763-774.	3.3	10
120	Polymer-enhanced ultrafiltration: counterion distribution and its relation with the divalent metal-ion retention properties by sulfonic acid polyelectrolytes. Polymer Bulletin, 2011, 67, 1123-1138.	3.3	14
121	Liquid-phase polymer-based retention and coupled electrocatalytic oxidation to remove Arsenic in the presence of competitive species. Polymer Bulletin, 2011, 67, 1773-1784.	3.3	1
122	Poly(sodium 4-styrene sulfonate) and poly(2-acrylamidoglycolic acid) nanocomposite hydrogels: montmorillonite effect on water absorption, thermal, and rheological properties. Polymer Bulletin, 2011, 67, 1823-1836.	3.3	20
123	Adsorption of linear polymers on polyethersulfone membranes: Contribution of divalent counterions on modifying of hydrophilic–lipophilic balance of polyelectrolyte chain. Journal of Membrane Science, 2011, 372, 355-365.	8.2	12
124	Efficient polymers in conjunction with membranes to remove As(V) generated <i>in situ</i> by electrocatalytic oxidation. Polymers for Advanced Technologies, 2011, 22, 414-419.	3.2	11
125	Preparation and characterization of poly(2â€hydroxyethylme) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 112	Td (thacry 3.2	late)â€ <i>b 4</i>
126	Metal ion removal properties of crosslinked poly(acrylamideâ€ <i>co</i> â€2â€acrylamideâ€2â€methylâ€1â€propa	ane) Tj ET(Qq0 0 0 rgB ⁻

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127	The effect of clay type and of clay–masterbatch product in the preparation of polypropylene/clay nanocomposites. Journal of Applied Polymer Science, 2011, 122, 2013-2025.	2.6	12
128	Arsenate retention from aqueous solution by hydrophilic polymers through ultrafiltration membranes. Desalination, 2011, 270, 57-63.	8.2	27
129	Water-soluble functional polymers in conjunction with membranes to remove pollutant ions from aqueous solutions. Progress in Polymer Science, 2011, 36, 294-322.	24.7	145
130	Complexes of Waterâ€Soluble Polymers with Cu ²⁺ and Ag ⁺ as Antibacterial Agents. Macromolecular Symposia, 2011, 304, 46-54.	0.7	5
131	Metal Ion Removal Properties of Waterâ€Insoluble Functional Polymers. Macromolecular Symposia, 2011, 304, 40-45.	0.7	1
132	Waterâ€Soluble Polymers and Their Polymerâ€Metal Ionâ€Complexes as Antibacterial Agents. Macromolecular Symposia, 2010, 287, 69-79.	0.7	5
133	Heavy metal ions removal through poly(acrylamide-co-methacrylic acid) resin. Polymer Bulletin, 2010, 64, 41-52.	3.3	8
134	Functional water-insoluble polymers with ability to remove arsenic(V). Polymer Bulletin, 2010, 65, 1-11.	3.3	15
135	Free radical copolymerization of functional water-soluble poly(N-maleoylglycine-co-crotonic acid): polymer metal ion retention capacity, electrochemical, and thermal behavior. Polymer Bulletin, 2010, 65, 701-717.	3.3	0
136	Synthesis and metal ion uptake properties of water-insoluble functional copolymers: removal of metal ions with environmental impact. Polymer Bulletin, 2010, 65, 917-928.	3.3	6
137	Arsenic extraction from aqueous solution: Electrochemical oxidation combined with ultrafiltration membranes and water-soluble polymers. Chemical Engineering Journal, 2010, 165, 625-632.	12.7	33
138	Amphiphilic diblock copolymers poly(2-hydroxyethylmethacrylate)-b-(N-phenylmaleimide) and poly(2-hydroxyethylmethacrylate)-b-(styrene) using the macroinitiator poly(HEMA)-Cl by ATRP: Preparation, characterization, and thermal properties. Journal of Applied Polymer Science, 2010, 118, 3649-3657.	2.6	9
139	Electrocatalytic oxidation of As(III) to As(V) using noble metal–polymer nanocomposites. Electrochimica Acta, 2010, 55, 4876-4882.	5.2	46
140	Divalent metalâ€ion distribution around linear polyelectrolyte chains by continuous diafiltration: comparison of counterion condensation cell models. Polymer International, 2010, 59, 1542-1549.	3.1	7
141	POLYPROPYLENE/CLAY NANOCOMPOSITES: SYNTHESIS AND CHARACTERIZATION. Journal of the Chilean Chemical Society, 2010, 55, 440-444.	1.2	9
142	Waterâ€ S oluble Polyelectrolytes with Ability to Remove Arsenic. Macromolecular Symposia, 2010, 296, 416-428.	0.7	10
143	Removal of As(III) and As(V) by Tin(II) compounds. Water Research, 2010, 44, 5730-5739.	11.3	21
144	Waterâ€Soluble Polyacids with Capability to Remove Metal Ions in Homogenous Phase by Using the Liquid Phase Polymerâ€Based Retention Technique. Macromolecular Symposia, 2009, 279, 228-235.	0.7	1

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145	Poly(4-sodium styrene sulfonate-co-4-acryloylmorpholine). Synthesis, Characterization, and Metal Ion Retention Properties. Separation Science and Technology, 2009, 44, 894-905.	2.5	4
146	Poly(2â€acrylamido glycolic acidâ€ <i>co</i> â€2â€acrylamidoâ€2â€methylâ€1â€propane sulfonic acid): Synthesis characterization, and retention properties for environmentally impacting metal ions. Journal of Applied Polymer Science, 2009, 111, 78-86.	, 2.6	19
147	Grafting of polypropylene and its potential use as metal ion adsorption resin. Journal of Applied Polymer Science, 2009, 113, 290-298.	2.6	3
148	Synthesis and characterization of new waterâ€soluble metal–polymer complex and its application for arsenite retention. Journal of Applied Polymer Science, 2009, 111, 2720-2730.	2.6	6
149	Water-soluble polymers: Optimization of arsenate species retention by ultrafiltration. Journal of Applied Polymer Science, 2009, 112, 2327-2333.	2.6	14
150	Synthesis and metal ion adsorption properties of poly(4â€sodium styrene sulfonateâ€ <i>co</i> â€acrylic) Tj ETQq0) 0 0 rgBT 2.6	Overlock]
151	Hydrogels from 2-(dimethylamino)ethylacrylate with 2-acrylamido-2-methyl-1-propanesulfonic acid: synthesis, characterization, and water-sorption properties. Polymer Bulletin, 2009, 62, 469-485.	3.3	7
152	Functional waterâ€soluble polymers: polymer–metal ion removal and biocide properties. Polymer International, 2009, 58, 1093-1114.	3.1	41
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