BernabÃ© L Rivas

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Water-soluble polymerâ€“metal ion interactions. Progress in Polymer Science, 2003, 28, 173-208.	24.7	416
2	Synthesis and metal complexation of poly(ethyleneimine) and derivatives. Advances in Polymer Science, 1992, , 171-188.	0.8	175
3	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
4	Metal ion binding properties of poly(N-vinylimidazole) hydrogels. Journal of Applied Polymer Science, 1998, 67, 1109-1118.	2.6	121
5	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
6	Metal Ion Uptake Properties of Acrylamide Derivative Resins. Macromolecular Chemistry and Physics, 2001, 202, 443-447.	2.2	95
7	pH Dependence of the Interaction between Rhodamine B and the Water-Soluble Poly(sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	85
8	Water-insoluble polymerâ€“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
9	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
10	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
11	Ultrafiltration membranes with three water-soluble polyelectrolyte copolymers to remove ciprofloxacin from aqueous systems. Chemical Engineering Journal, 2018, 351, 85-93.	12.7	57
12	Adsorption behavior of metal ions by amidoxime chelating resin. Journal of Applied Polymer Science, 2000, 77, 1994-1999.	2.6	56
13	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
14	Polyelectrolyte-assisted removal of metal ions with ultrafiltration. Journal of Applied Polymer Science, 2005, 95, 1091-1099.	2.6	52
15	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
16	Competition of Divalent Metal Ions with Monovalent Metal Ions on the Adsorption on Water-Soluble Polymers. Journal of Physical Chemistry B, 2002, 106, 9708-9711.	2.6	50
17	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.	2.6	50
18	Polymer/clay nanocomposite films as active packaging material: Modeling of antimicrobial release. European Polymer Journal, 2015, 71, 461-475.	5.4	49

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19	Ï€-Stacking of rhodamine B onto water-soluble polymers containing aromatic groups. Polymer, 2006, 47, 6496-6500.	3.8	48
20	Chelation properties of polymer complexes of poly(acrylic acid) with poly(acrylamide), and poly(acrylic acid) with poly(N,N-dimethylacrylamide). Macromolecular Chemistry and Physics, 1998, 199, 1153-1160.	2.2	46
21	Electrocatalytic oxidation of As(III) to As(V) using noble metalâ€"polymer nanocomposites. Electrochimica Acta, 2010, 55, 4876-4882.	5.2	46
22	Cationic hydrophilic polymers coupled to ultrafiltration membranes to remove chromium (VI) from aqueous solution. Desalination, 2011, 279, 338-343.	8.2	46
23	Water-soluble acidic polyelectrolytes with metal-removing ability. Polymers for Advanced Technologies, 2002, 13, 1000-1005.	3.2	45
24	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
25	Functional waterâ€soluble polymers: polymerâ€"metal ion removal and biocide properties. Polymer International, 2009, 58, 1093-1114.	3.1	41
26	Study of polymerâ€"metal ionâ€"membrane interactions in liquid-phase polymer-based retention (LPR) by continuous diafiltration. Journal of Membrane Science, 2009, 336, 128-139.	8.2	41
27	Cationic polymerâ€"TiO2 nanocomposite sorbent for arsenate removal. Chemical Engineering Journal, 2015, 268, 362-370.	12.7	41
28	Cationic water-soluble polymers with the ability to remove arsenate through an ultrafiltration technique. Journal of Applied Polymer Science, 2007, 106, 89-94.	2.6	38
29	Effect of the Polymer Concentration on the Interactions of Water-Soluble Polymers with Metal Ions. Chemistry Letters, 2000, 29, 166-167.	1.3	37
30	Interactions of polyelectrolytes bearing carboxylate and/or sulfonate groups with Cu(II) and Ni(II). Polymer, 2004, 45, 1771-1775.	3.8	37
31	Prediction of the retention values associated to the ultrafiltration of mixtures of metal ions and high molecular weight water-soluble polymers as a function of the initial ionic strength. Journal of Membrane Science, 2000, 178, 165-170.	8.2	36
32	Metal ion recovery by polymer-enhanced ultrafiltration using poly(vinyl sulfonic acid): Fouling description and membraneâ€"metal ion interaction. Journal of Membrane Science, 2009, 345, 191-200.	8.2	36
33	Synthesis and properties of hydrophilic polymers. III. Ligand effects of the side chains of polyaziridines on metal complexation in aqueous solution. Journal of Applied Polymer Science, 1996, 60, 2191-2198.	2.6	35
34	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
35	Removal of boron from geothermal water by a novel boron selective resin. Desalination, 2013, 310, 102-108.	8.2	35
36	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

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37	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
38	Poly[1-(2-hydroxyethyl) aziridine] as polychelatogen for liquid-phase polymer-based retention (LPR). Angewandte Makromolekulare Chemie, 1991, 193, 195-203.	0.2	33
39	Synthesis, characterization and polychelatogenic properties of poly[(2-acrylamido-2-methyl-1-propane) Tj ETQq1 1 0.784314 rgBT /Over	3.1	33
40	Retention properties of arsenate anions of water-soluble polymers by a liquid-phase polymer-based retention technique. Journal of Applied Polymer Science, 2006, 102, 2677-2684.	2.6	33
41	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
42	Electrosynthesized iridium oxide-polymer nanocomposite thin films for electrocatalytic oxidation of arsenic(III). Electrochimica Acta, 2013, 110, 465-473.	5.2	33
43	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
44	Chelating properties of poly(N-acryloyl piperazine) by liquid-phase polymer-based retention (LPR) technique. Macromolecular Rapid Communications, 2000, 21, 905-908.	3.9	32
45	Heavy metal removal from aqueous systems using hydroxyapatite nanocrystals derived from clam shells. RSC Advances, 2019, 9, 22883-22890.	3.6	32
46	Copolymerâ€"hydrous zirconium oxide hybrid microspheres for arsenic sorption. Water Research, 2019, 166, 115044.	11.3	32
47	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.	2.6	31
48	Capability of cationic waterâ€soluble polymers in conjunction with ultrafiltration membranes to remove arsenate ions. Polymer Engineering and Science, 2007, 47, 1256-1261.	3.1	31
49	Removal of arsenite by coupled electrocatalytic oxidation at polymerâ€"ruthenium oxide nanocomposite and polymer-assisted liquid phase retention. Applied Catalysis B: Environmental, 2013, 129, 130-136.	20.2	31
50	Antibiotics removal using a chitosan-based polyelectrolyte in conjunction with ultrafiltration membranes. Chemosphere, 2020, 258, 127416.	8.2	31
51	Trace metal ion retention properties of crosslinked poly(4-vinylpyridine) and poly(acrylic acid). Journal of Applied Polymer Science, 2004, 92, 2908-2916.	2.6	30
52	Novel water-soluble acryloylmorpholine copolymers: Synthesis, characterization, and metal ion binding properties. Journal of Applied Polymer Science, 2006, 101, 180-185.	2.6	30
53	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
54	Sorption properties of poly(styrene-co-divinylbenzene) amine functionalized weak resin. Journal of Applied Polymer Science, 2001, 80, 2123-2127.	2.6	28

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55	Preparation and adsorption properties of resins containing amine, sulfonic acid, and carboxylic acid moieties. Journal of Applied Polymer Science, 2003, 90, 700-705.	2.6	28
56	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.	2.6	27
57	Arsenate retention from aqueous solution by hydrophilic polymers through ultrafiltration membranes. Desalination, 2011, 270, 57-63.	8.2	27
58	Synthesis of water-soluble polymers containing sulfonic acid and amine moieties for the recovery of metal ions using ultrafiltration. Journal of Applied Polymer Science, 2001, 82, 22-30.	2.6	26
59	Preparation and adsorption properties of the chelating resins containing carboxylic, sulfonic, and imidazole groups. Journal of Applied Polymer Science, 2003, 89, 2852-2856.	2.6	26
60	Simultaneous interactions between a low molecular-weight species and two high molecular-weight species studied by diafiltration. Journal of Membrane Science, 2006, 272, 137-142.	8.2	26
61	Poly(2-acrylamido glycolic acid): A water-soluble polymer with ability to interact with metal ions in homogenous phase. Inorganic Chemistry Communication, 2007, 10, 151-154.	3.9	26
62	Metal ion sorption by chitosanâ€"tripolyphosphate beads. Journal of Applied Polymer Science, 2017, 134, 45511.	2.6	26
63	Metal complexation of poly[1-(2-hydroxyethyl)aziridine-co-2-methyl-2-oxazoline] in aqueous solution. Angewandte Makromolekulare Chemie, 1992, 197, 107-115.	0.2	25
64	Water-soluble cationic polymers and their polymer-metal complexes with biocidal activity: A genotoxicity study. Journal of Applied Polymer Science, 2003, 87, 452-457.	2.6	25
65	Synthesis and metal ion adsorption properties of poly(4â€sodium styrene sulfonateâ€<i>co</i>â€acrylic) Tj ETQq1 1 0.784314 rgBT /Ov	2.6	25
66	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
67	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
68	Polymers and nanocomposites: synthesis and metal ion pollutant uptake. Polymer International, 2016, 65, 255-267.	3.1	25
69	USE OF ULTRAFILTRATION ON THE EVALUATION AND QUANTIFICATION OF THE INTERACTIONS BETWEEN POLYMERS AND LOW MOLECULAR-WEIGHT MOLECULES IN AQUEOUS SOLUTIONS. Journal of the Chilean Chemical Society, 2004, 49, .	1.2	25
70	Metal ion enrichment of a water-soluble chelating polymer studied by ultrafiltration. Journal of Membrane Science, 2002, 208, 69-73.	8.2	24
71	Water-insoluble polymers containing amine, sulfonic acid, and carboxylic acid groups: Synthesis, characterization, and metal-ion-retention properties. Journal of Applied Polymer Science, 2006, 99, 3266-3274.	2.6	24
72	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

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73	Poly(2-acrylamido glycolic acid-co-acryloyl morpholine) and poly(2-acrylamido glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74 impacting metal ions. European Polymer Journal, 2008, 44, 523-533.	5.4	23
74	Poly(ethylene glycol) as a compatibilizer and plasticizer of poly(lactic acid)/clay nanocomposites. High Performance Polymers, 2012, 24, 254-261.	1.8	23
75	Electrochemical oxidation and removal of arsenic using water-soluble polymers. Journal of Applied Electrochemistry, 2015, 45, 151-159.	2.9	23
76	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
77	Molecularly Imprinted Polymers for the Selective Extraction of Bisphenol A and Progesterone from Aqueous Media. Polymers, 2018, 10, 679.	4.5	23
78	Comparison between the binding of chlorpheniramine maleate to poly(sodium 4-styrenesulfonate) and the binding to other polyelectrolytes. Polymer, 2005, 46, 7240-7245.	3.8	22
79	Resins with the ability to bind copper and uranyl ions. Journal of Applied Polymer Science, 2006, 99, 706-711.	2.6	22
80	Aminodiacetic water-soluble polymerâ€"metal ion interactions. European Polymer Journal, 2008, 44, 2330-2338.	5.4	22
81	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
82	Use of Ultrafiltration on the Analysis of Low Molecular Weight Complexing Molecules. Analysis of Iminodiacetic Acid at Constant Ionic Strength. Analytical Chemistry, 2001, 73, 5468-5471.	6.5	21
83	Interactions of 2,3,5-triphenyl-2-tetrazolium chloride with poly(sodium 4-styrenesulfonate) studied by diafiltration and UV?vis spectroscopy. Journal of Membrane Science, 2004, 244, 205-213.	8.2	21
84	Metal ions recovery with alginic acid coupled to ultrafiltration membrane. European Polymer Journal, 2009, 45, 573-581.	5.4	21
85	Off-line coupled electrocatalytic oxidation and liquid phase polymer based retention (EO-LPR) techniques to remove arsenic from aqueous solutions. Water Research, 2009, 43, 515-521.	11.3	21
86	Removal of As(III) and As(V) by Tin(II) compounds. Water Research, 2010, 44, 5730-5739.	11.3	21
87	Boron removal by liquidâ€phase polymerâ€based retention technique using poly(glycidyl methacrylate) Tj ETQq1 1 0.784314 rgBT /O	2.6	21
88	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
89	Tetracycline removal by polyelectrolyte copolymers in conjunction with ultrafiltration membranes through liquid-phase polymer-based retention. Environmental Research, 2020, 182, 109014.	7.5	21
90	Polyelectrolyte behavior of three copolymers of 2-acrylamido-2-methyl-propanesulfonic acid and N-acryloyl-Nâ€²-methylpiperazine studied by ultrafiltration. Journal of Membrane Science, 2001, 187, 271-275.	8.2	20

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91	Poly(N-acetyl-Î±-acrylic acid): Synthesis, Characterization and Chelation Properties through Liquid Phase Polymer-Based Retention Technique. Macromolecular Rapid Communications, 2001, 22, 418-421.	3.9	20
92	Waterâ€soluble Polyelectrolytes Contaning Sulfonic Acid Groups with Metal Ion Binding Ability by Using the Liquid Phase Polymer Based Retention Technique. Macromolecular Symposia, 2008, 270, 143-152.	0.7	20
93	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
94	Poly(sodium 4â€styrene sulfonate) and poly(2â€acrylamido glycolic acid) polymerâ€“clay ion exchange resins with enhanced mechanical properties and metal ion retention. Polymer International, 2012, 61, 23-29.	3.1	20
95	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
96	Preparation and characterization of waterâ€soluble polymers and their utilization in chromium sorption. Journal of Applied Polymer Science, 2017, 134, 45355.	2.6	20
97	Nickel oxideâ€“polypyrrole nanocomposite electrode materials for electrocatalytic water oxidation. Catalysis Science and Technology, 2018, 8, 4030-4043.	4.1	20
98	Preparation of alkylated chitosan-based polyelectrolyte hydrogels: The effect of monomer charge on polymerization. European Polymer Journal, 2019, 118, 551-560.	5.4	20
99	Metal ion retention properties of water-insoluble polymers containing carboxylic acid groups. Journal of Applied Polymer Science, 2006, 99, 697-705.	2.6	19
100	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
101	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
102	Synthesis of water-insoluble functional copolymers containing amide, amine, and carboxylic acid groups and their metal-ion-uptake properties. Journal of Applied Polymer Science, 2006, 102, 5232-5239.	2.6	18
103	Sorption properties of chelating polymerâ€“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
104	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.	2.6	17
105	Poly(acrylic acid-co-vinylsulfonic acid): Synthesis, characterization, and properties as polychelatogen. Journal of Applied Polymer Science, 2003, 88, 1698-1704.	2.6	17
106	Removal of environmentally impacting metal ions using functional resin poly(4-styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (su Science, 2007, 104, 1769-1774.	2.6	17
107	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
108	Analysis of the retention profiles of poly (acrylic acid) with Co(II) and Ni(II). Polymer Bulletin, 1997, 39, 653-660.	3.3	16

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109	Synthesis and properties of hydrophilic polymers, 6. Water-soluble polypyrrole graft copolymers with electrical conductivity. Macromolecular Rapid Communications, 1997, 18, 503-508.	3.9	16
110	Water-soluble polymeric materials with the ability to bind metal ions. Macromolecular Symposia, 2003, 193, 237-250.	0.7	16
111	Arsenite retention properties of waterâ€soluble metalâ€"polymers. Journal of Applied Polymer Science, 2007, 106, 1889-1894.	2.6	16
112	Quaternised chitosan in conjunction with ultrafiltration membranes to remove arsenate and chromate ions. Polymer Bulletin, 2015, 72, 1365-1377.	3.3	16
113	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
114	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
115	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
116	Chitosanâ€"tripolyphosphate bead: the interactions that govern its formation. Polymer Bulletin, 2019, 76, 3879-3903.	3.3	16
117	Polymer supports for the removal and degradation of hazardous organic pollutants: an overview. Polymer International, 2020, 69, 333-345.	3.1	16
118	Removal of Dyes by Polymer-Enhanced Ultrafiltration: An Overview. Polymers, 2021, 13, 3450.	4.5	16
119	Water-Soluble Polyelectrolytes with Metal Ion Removal Ability by Using the Liquid Phase Based Retention Technique. Macromolecular Symposia, 2006, 245-246, 116-122.	0.7	15
120	Poly(ethylene-alt-maleic acid) as complexing reagent to separate metal ions using membrane filtration. Journal of Applied Polymer Science, 2006, 101, 2057-2061.	2.6	15
121	Functional water-insoluble polymers with ability to remove arsenic(V). Polymer Bulletin, 2010, 65, 1-11.	3.3	15
122	Synthesis, characterization, and sorption properties of water-insoluble poly(2-acrylamido-2-methyl-1-propane sulfonic acid)â€"montmorillonite composite. Polymer Bulletin, 2013, 70, 1143-1162.	3.3	15
123	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
124	Quaternized hydroxyethyl cellulose ethoxylate and membrane separation techniques for arsenic removal. Desalination and Water Treatment, 2016, 57, 25161-25169.	1.0	15
125	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
126	Direct ionization and solubility of chitosan in aqueous solutions with acetic acid. Polymer Bulletin, 2021, 78, 1465-1488.	3.3	15

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127	Water-soluble polymers: Optimization of arsenate species retention by ultrafiltration. Journal of Applied Polymer Science, 2009, 112, 2327-2333.	2.6	14
128	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
129	Functionalized galactoglucomannanâ€based hydrogels for the removal of metal cations from aqueous solutions. Journal of Applied Polymer Science, 2016, 133, .	2.6	14
130	Analysis of the interactions of biologically active poly(methacrylic-aminosalicylic acid) supports with Ca2+ and Zn2+ by ultrafiltration. Journal of Membrane Science, 2001, 192, 187-191.	8.2	13
131	Poly(styrene-alt-maleic acid)-metal complexes with divalent metal ions. synthesis, characterization, and physical properties. Journal of Applied Polymer Science, 2001, 81, 1310-1315.	2.6	13
132	Synthesis, characterization, and properties of a selective adsorbent to mercury(II) ions. Journal of Applied Polymer Science, 2002, 85, 2559-2563.	2.6	13
133	Macromolecular size of polyelectrolytes containing ammonium and sulfonic acid groups, as determined by light scattering. European Polymer Journal, 2004, 40, 203-209.	5.4	13
134	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
135	Mercury and lead sorption properties of poly(ethyleneimine) coated onto silica gel. Polymer Bulletin, 2012, 68, 1577-1588.	3.3	13
136	Removal of Cr(VI) by a chelating resin containing N-methyl-d-glucamine. Polymer Bulletin, 2014, 71, 1813-1825.	3.3	13
137	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
138	Waterâ€soluble polymer and photocatalysis for arsenic removal. Journal of Applied Polymer Science, 2014, 131, .	2.6	13
139	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
140	High-retention properties for Hg(II) ions of a resin containing ammonium and pyridine groups. Journal of Applied Polymer Science, 2002, 83, 2595-2599.	2.6	12
141	Water-insoluble polymers with ability to remove metal ions. Journal of Applied Polymer Science, 2004, 91, 3679-3685.	2.6	12
142	Binding of chlorpheniramine maleate to pharmacologically important alginic acid, carboxymethylcellulose, Îº-carageenan, and Î¹-carrageenan as studied by diafiltration. Journal of Applied Polymer Science, 2005, 98, 598-602.	2.6	12
143	Adsorption of linear polymers on polyethersulfone membranes: Contribution of divalent counterions on modifying of hydrophilicâ€"lipophilic balance of polyelectrolyte chain. Journal of Membrane Science, 2011, 372, 355-365.	8.2	12
144	The effect of clay type and of clayâ€"masterbatch product in the preparation of polypropylene/clay nanocomposites. Journal of Applied Polymer Science, 2011, 122, 2013-2025.	2.6	12

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145	Chelating water-soluble polymers associated with ultrafiltration membranes for metal ion removal. Polymer Bulletin, 2012, 69, 881-898.	3.3	12
146	Poly(N-hydroxymethyl acrylamide-co-acrylic acid) and poly(N-hydroxymethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (acrylamide-c Polymer Bulletin, 2012, 68, 391-403.	3.3	12
147	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
148	Poly(3â€hydroxybutyrate)â€“thermoplastic starchâ€“organoclay bionanocomposites: Surface properties. Journal of Applied Polymer Science, 2017, 134, 45217.	2.6	12
149	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
150	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
151	Complexation Behavior of Cu2+ in the Presence of Iminodiacetic Acid and Poly(ethyleneimine). Macromolecular Chemistry and Physics, 2005, 206, 1541-1548.	2.2	11
152	Complexing Polymer Films in The Preparation of Modified Electrodes for Detection of Metal Ions. Macromolecular Symposia, 2011, 304, 115-125.	0.7	11
153	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
154	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
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