

Recent advances on ion-imprinted polymers

Reactive and Functional Polymers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of Imprinted Polysiloxanes for Immobilization of Metal ions. Materials Research Society Symposia Proceedings, 2014, 1675, 209-214.	0.1	0
2	Cu(II)-Imprinted Poly(vinyl alcohol)/Poly(acrylic acid) Membrane for Greater Enhancement in Sequestration of Copper Ion in the Presence of Competitive Heavy Metal Ions: Material Development, Process Demonstration, and Study of Mechanisms. Industrial & Engineering Chemistry Research, 2014, 53, 20223-20233.	1.8	45
3	Polymeric ion-imprinted nanoparticles for mercury speciation in surface waters. Microchemical Journal, 2014, 113, 42-47.	2.3	46
4	A dual-ion imprinted polymer embedded in sol-gel matrix for the ultra trace simultaneous analysis of cadmium and copper. Talanta, 2014, 120, 398-407.	2.9	41
5	A new ion imprinted polymer based on Ru(III)-thiobarbituric acid complex for solid phase extraction of ruthenium(III) prior to its determination by ETAAS. Mikrochimica Acta, 2014, 181, 1019-1027.	2.5	15
6	Design and applications of interpenetrating polymer network hydrogels. A review. Chemical Engineering Journal, 2014, 243, 572-590.	6.6	764
7	Environmentally friendly preparation of a strong basic anion exchange fibers and its application in sugar decolorization. Reactive and Functional Polymers, 2014, 76, 41-48.	2.0	7
8	Synthesis and investigation of the imprinting efficiency of ion imprinted nanoparticles for recognizing copper. Physical Chemistry Chemical Physics, 2014, 16, 16158-16165.	1.3	13
9	Hg ²⁺ -ion-imprinted polymers sorbents based on dithizone-Hg ²⁺ chelation for mercury speciation analysis in environmental and biological samples. RSC Advances, 2014, 4, 46444-46453.	1.7	81
10	Selective removal of antimony(III) from aqueous solution using antimony(III)-imprinted organic-inorganic hybrid sorbents by combination of surface imprinting technique with sol-gel process. Chemical Engineering Journal, 2014, 258, 146-156.	6.6	47
11	Diffusive transport of Cu(II) ions through thin ion imprinted polymeric membranes. Chemical Papers, 2014, 68, .	1.0	11
12	Synthesis, characterization and application of uranyl ion imprinted polymers of aniline and 8-hydroxy quinoline functionalized aniline. RSC Advances, 2014, 4, 30718-30724.	1.7	20
13	Complexation of Nickel with 2-(Aminomethyl)pyridine at High Zinc Concentrations or in a Nonaqueous Solvent Mixture. Journal of Chemical & Engineering Data, 2014, 59, 2207-2214.	1.0	8
14	The adsorptive extraction of oxidized sulfur-containing compounds from fuels by using molecularly imprinted chitosan materials. Reactive and Functional Polymers, 2014, 81, 61-76.	2.0	45
15	Ionic Imprinted Silica-Supported Hybrid Sorbent with an Anchored Chelating Schiff Base for Selective Removal of Cadmium(II) Ions from Aqueous Media. Industrial & Engineering Chemistry Research, 2014, 53, 369-378.	1.8	62
16	Assessment and modelling of Ni(II) retention by an ion-imprinted polymer: Application in natural samples. Journal of Colloid and Interface Science, 2015, 448, 473-481.	5.0	22
17	Ion-imprinted chitosan gel beads for selective adsorption of Ag ⁺ from aqueous solutions. Carbohydrate Polymers, 2015, 130, 206-212.	5.1	73
18	Synthesis and characterization of a new copper(II) ion-imprinted polymer. Polymer Bulletin, 2015, 72, 3227-3240.	1.7	25

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19	Highly selective monitoring of metals by using ion-imprinted polymers. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7375-7404.	2.7	76
20	Synthesis of novel ion-imprinted polymers by two different RAFT polymerization strategies for the removal of Cs(i) from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 12517-12529.	1.7	18
21	Synthesis of a new ion-imprinted polymer and its characterization for the selective extraction and determination of nickel ions in aqueous solutions. <i>Desalination and Water Treatment</i> , 2015, 56, 2135-2144.	1.0	10
22	Fiber Optic Sensors Based on Nanostructured Materials. <i>Springer Series in Surface Sciences</i> , 2015, , 277-299.	0.3	0
23	Synthesis of an imprinted polymer for the determination of methylmercury in marine products. <i>Talanta</i> , 2015, 144, 636-641.	2.9	14
24	Current status and challenges of ion imprinting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13598-13627.	5.2	234
25	Application of Solid Sorbents for Enrichment and Separation of Platinum Metal Ions. <i>Environmental Science and Engineering</i> , 2015, , 67-78.	0.1	8
26	Preparation of core-shell ion imprinted nanoparticles via photoinitiated polymerization at ambient temperature for dynamic removal of cobalt in aqueous solution. <i>RSC Advances</i> , 2015, 5, 85691-85704.	1.7	23
27	Selective adsorption of Cu(II) from an aqueous solution by ion imprinted magnetic chitosan microspheres prepared from steel pickling waste liquor. <i>RSC Advances</i> , 2015, 5, 97435-97445.	1.7	42
28	A Facile Synthesis of Ion Imprinted Mesoporous Silica Adsorbents by a Co-Condensation Pathway and Application in a Fixed-Bed Column Study for Lead Removal. <i>Australian Journal of Chemistry</i> , 2015, 68, 1051.	0.5	0
29	Highly efficient adsorption of Hg(II) and Pb(II) onto chitosan-based granular adsorbent containing thiourea groups. <i>Journal of Water Process Engineering</i> , 2015, 7, 218-226.	2.6	46
30	Selective Adsorption of Gd ³⁺ on a Magnetically Retrievable Imprinted Chitosan/Carbon Nanotube Composite with High Capacity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21047-21055.	4.0	114
31	A nanostructure ion-imprinted polymer for the selective separation and determination of copper ions in aqueous solutions. <i>Desalination and Water Treatment</i> , 0, , 1-10.	1.0	2
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33	Effect of template ion-ligand complex stoichiometry on selectivity of ion-imprinted polymers. <i>Talanta</i> , 2015, 134, 538-545.	2.9	21
34	Selective adsorption of Ag ⁺ by ion-imprinted O-carboxymethyl chitosan beads grafted with thiourea-glutaraldehyde. <i>Chemical Engineering Journal</i> , 2015, 264, 56-65.	6.6	112
35	Sub-nanomolar detection of zinc on the ion-imprinted polymer modified glassy carbon electrode. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 271-276.	3.3	12
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37	Molecularly Imprinted Polymer Nanoparticles for Formaldehyde Sensing with QCM. <i>Sensors</i> , 2016, 16, 1011.	2.1	58
38	Preparation and characterization of Zn(II) ion-imprinted polymer based on salicylic acrylate for recovery of Zn(II) ions. <i>Polimeros</i> , 2016, 26, 242-248.	0.2	8
39	Selective adsorption of CuSO ₄ from mixed sulfate solutions by Cu(II) ion-imprinted polymers containing salicylaldoximes, ammonium cations, and tertiary amino groups. <i>Materials and Design</i> , 2016, 107, 372-377.	3.3	14
40	Advanced polymeric materials: Synthesis and analytical application of ion imprinted polymers as selective sorbents for solid phase extraction of metal ions. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 83, 55-69.	5.8	91
41	Nanomaterials for elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1949-1973.	1.6	29
42	Potential of ion imprinted polymers synthesized by trapping approach for selective solid phase extraction of lanthanides. <i>Talanta</i> , 2016, 161, 459-468.	2.9	18
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47	A modeling study by response surface methodology (RSM) on Sr(II) ion dynamic adsorption optimization using a novel magnetic ion imprinted polymer. <i>RSC Advances</i> , 2016, 6, 54679-54692.	1.7	26
48	Preparation and evaluation of new uranyl imprinted polymer electrode sensor for uranyl ion based on uranyl-carboxybezotriazole complex in pvc matrix membrane. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 336-345.	4.0	28
49	Application of solid phase extraction procedures for rare earth elements determination in environmental samples. <i>Talanta</i> , 2016, 154, 15-22.	2.9	69
50	Molecularly Imprinted Bio-Membranes Based on Cellulose Nano-Fibers for Drug Release and Selective Separations. <i>Macromolecular Symposia</i> , 2016, 359, 124-128.	0.4	4
51	Synthesis and application of a novel nanostructured ion-imprinted polymer for the preconcentration and determination of thallium(I) ions in water samples. <i>Journal of Hazardous Materials</i> , 2016, 309, 27-36.	6.5	51
52	Synthesis of a Ni(II) ion imprinted polymer based on macroporous-mesoporous silica with enhanced dynamic adsorption capacity: optimization by response surface methodology. <i>New Journal of Chemistry</i> , 2016, 40, 3821-3832.	1.4	11
53	Imprinted polymer grafted from silica particles for on-line trace enrichment and ICP OES determination of uranyl ion. <i>Microchemical Journal</i> , 2016, 126, 316-321.	2.3	19
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56	Synthesis and application of ion-imprinted polymer for extraction and pre-concentration of iron ions in environmental water and food samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 637-644.	2.0	32
57	Application of Magnetic Hydrogel for Anionic Pollutants Removal from Wastewater with Adsorbent Regeneration and Reuse. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, .	1.2	12
58	Novel Imprinted Polymer for the Preconcentration of Cadmium with Determination by Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Letters</i> , 2017, 50, 482-499.	1.0	14
59	Lithium ion-imprinted polymers with hydrophilic PHEMA polymer brushes: The role of grafting density in anti-interference and anti-blockage in wastewater. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 146-156.	5.0	31
60	Synthesis of ion imprinted polymers for selective recognition and separation of rare earth metals. <i>Journal of Rare Earths</i> , 2017, 35, 177-186.	2.5	56
61	Surface Ion-Imprinted Polypropylene Nonwoven Fabric for Potential Uranium Seawater Extraction with High Selectivity over Vanadium. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1860-1867.	1.8	31
62	Selective solid phase extraction of lanthanides from tap and river waters with ion imprinted polymers. <i>Analytica Chimica Acta</i> , 2017, 963, 44-52.	2.6	27
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66	Synthesis of Cu(II) ion-imprinted polymers as solid phase adsorbents for deep removal of copper from concentrated zinc sulfate solution. <i>Hydrometallurgy</i> , 2017, 169, 599-606.	1.8	13
67	Synthesis and characterization of a surface imprinting silica gel polymer functionalized with phosphonic acid groups for selective adsorption of Fe(III) from aqueous solution. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45165.	1.3	12
68	Preparation and evaluation of Pb(II)-imprinted fucoidan-based sorbents. <i>Reactive and Functional Polymers</i> , 2017, 115, 53-62.	2.0	7
69	Studies on the effect of functional monomer and porogen on the properties of ion imprinted polymers based on Cr(III)-1,10-phenanthroline complex designed for selective removal of Cr(III) ions. <i>Reactive and Functional Polymers</i> , 2017, 117, 131-139.	2.0	21
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71	Integrated ion imprinted polymers-paper composites for selective and sensitive detection of Cd(II) ions. <i>Journal of Hazardous Materials</i> , 2017, 333, 137-143.	6.5	73
72	Preparation and properties of a novel macro porous Ni ²⁺ -imprinted chitosan foam adsorbents for adsorption of nickel ions from aqueous solution. <i>Carbohydrate Polymers</i> , 2017, 165, 376-383.	5.1	42

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74	On-line micro-solid phase preconcentration of Cd ²⁺ coupled to TS-FF-AAS using a novel ion-selective bifunctional hybrid imprinted adsorbent. <i>Microchemical Journal</i> , 2017, 131, 57-69.	2.3	26
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76	Preparation an electrochemical sensor for detection of manganese (II) ions using glassy carbon electrode modified with multi walled carbon nanotube-chitosan-ionic liquid nanocomposite decorated with ion imprinted polymer. <i>Journal of Electroanalytical Chemistry</i> , 2017, 804, 1-6.	1.9	48
77	Synthesis of an ion-imprinted sorbent by surface imprinting of magnetized carbon nanotubes for determination of trace amounts of cadmium ions. <i>Mikrochimica Acta</i> , 2017, 184, 4521-4529.	2.5	19
78	Sorption materials based on ethylene glycol dimethacrylate and methacrylic acid copolymers for rare earth elements extraction from aqueous solutions. <i>Adsorption Science and Technology</i> , 2017, 35, 545-559.	1.5	11
79	Removal and Recycling of Precious Rare Earth Element from Wastewater Samples Using Imprinted Magnetic Ordered Mesoporous Carbon. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6910-6923.	3.2	12
80	Sorption in the chemistry of rare earth elements. <i>Russian Journal of General Chemistry</i> , 2017, 87, 1220-1245.	0.3	18
81	Ion-Imprinted Mesoporous Silica for Selective Removal of Uranium from Highly Acidic and Radioactive Effluent. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29337-29344.	4.0	112
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86	A New Ion-Imprinted Chitosan-Based Membrane with an Azo-Derivative Ligand for the Efficient Removal of Pd(II). <i>Materials</i> , 2017, 10, 1133.	1.3	29
87	Acrylamide grafted chitosan based ion imprinted polymer for the recovery of cadmium from nickel-cadmium battery waste. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1828-1839.	3.3	49
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92	Nanopowder synthesis of novel Sn(II)-imprinted poly(dimethyl vinylphosphonate) by ultrasound-assisted technique: Adsorption and pre-concentration of Sn(II) from aqueous media and real samples. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 129-136.	3.8	14
93	Magnetic nanoparticle based solid-phase extraction of heavy metal ions: A review on recent advances. <i>Mikrochimica Acta</i> , 2018, 185, 160.	2.5	149
94	A novel non-imprinted adsorbent with superior selectivity towards high-performance capture of Ag(I). <i>Chemical Engineering Journal</i> , 2018, 348, 224-231.	6.6	41
95	Electrochemical Determination of Copper(II) in Water Samples Using a Novel Ion-Selective Electrode Based on a Graphite Oxide-Imprinted Polymer Composite. <i>Analytical Letters</i> , 2018, 51, 1890-1910.	1.0	51
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98	An Ion-imprinted Silica Gel Polymer Prepared by Surface Imprinting Technique Combined with Aqueous Solution Polymerization for Selective Adsorption of Ni(II) from Aqueous Solution. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 462-471.	2.0	21
99	Ion cum molecularly dual imprinted polymer for simultaneous removal of cadmium and salicylic acid. <i>Journal of Molecular Recognition</i> , 2018, 31, e2630.	1.1	27
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101	Preparation and characterization of ion selective membrane and its application for Cu 2+ removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 475-484.	2.9	30
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104	Selective Solid Phase Extraction of Copper from Different Samples using Copper Ion-Imprinted Polymer. <i>Journal of Analytical Chemistry</i> , 2018, 73, 1146-1153.	0.4	6
105	Hybrid polyelectrolyte-anion exchange membrane and its interaction with phosphate. <i>Reactive and Functional Polymers</i> , 2018, 133, 126-135.	2.0	20
106	Metal-Ligand Interactions in Molecular Imprinting. , 0, , .		6
107	Recent developments and applications of different sorbents for SPE and SPME from biological samples. <i>Talanta</i> , 2018, 187, 337-347.	2.9	137
108	Potassium-sensitive poly(N-isopropylacrylamide)-based hydrogels for sensor applications. <i>Polymer Chemistry</i> , 2018, 9, 3600-3614.	1.9	9

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110	Synthesis, characterization and using a new terpyridine moiety-based ion-imprinted polymer nanoparticle: sub-nanomolar detection of Pb(II) in biological and water samples. <i>Chemical Papers</i> , 2018, 72, 2707-2717.	1.0	16
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114	Imprinted Oxide and MIP/Oxide Hybrid Nanomaterials for Chemical Sensors. <i>Nanomaterials</i> , 2018, 8, 257.	1.9	14
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116	A Novel Cu(II) Ion-Imprinted Alginate-Chitosan Complex Adsorbent for Selective Separation of Cu(II) from Aqueous Solution. <i>Polymer Bulletin</i> , 2019, 76, 1861-1876.	1.7	27
117	Sulphur functionalized materials for Hg(II) adsorption: A review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103350.	3.3	79
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119	Recent advances in ion-imprinted membranes: separation and detection via ion-selective recognition. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1626-1653.	1.2	55
121	Performance of restricted access copper-imprinted poly(allylthiourea) in an on-line preconcentration and sample clean-up FIA-FAAS system for copper determination in milk samples. <i>Talanta</i> , 2019, 202, 460-468.	2.9	20
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124	Recovery of Rare Earth Elements by Carbon-Based Nanomaterials—A Review. <i>Nanomaterials</i> , 2019, 9, 814.	1.9	87
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129	Synthesis, adsorption and analytical applicability of Ni-imprinted polymer for selective adsorption of Ni ²⁺ ions from the aqueous environment. <i>Polymer Testing</i> , 2019, 77, 105871.	2.3	22
130	Synthesis and Application of Ion-Imprinted Nanoparticles in Electrochemical Sensors for Copper (II) Determination. <i>ChemNanoMat</i> , 2019, 5, 754-760.	1.5	20
131	Ion-imprinted poly(methyl methacrylate- <i>vinyl pyrrolidone</i>)/poly(vinylidene fluoride) blending membranes for selective removal of ruthenium(III) from acidic water solutions. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1865-1877.	1.6	11
132	A novel ion-imprinted polymer for selective removal of trace Fe(III) from Cr(III)-containing solutions. <i>Hydrometallurgy</i> , 2019, 186, 105-114.	1.8	13
133	Highly Selective Copper Ion Imprinted Clay/Polymer Nanocomposites Prepared by Visible Light Initiated Radical Photopolymerization. <i>Polymers</i> , 2019, 11, 286.	2.0	26
134	Selectivity of Copper by Amine-Based Ion Recognition Polymer Adsorbent with Different Aliphatic Amines. <i>Polymers</i> , 2019, 11, 1994.	2.0	20
135	Molecularly Imprinted Polymeric Nanomaterials for Environmental Analysis. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 143-168.	0.3	0
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138	Recent Advances in Electrochemical Sensors Based on Molecularly Imprinted Polymers and Nanomaterials. <i>Electroanalysis</i> , 2019, 31, 188-201.	1.5	124
139	Separation and purification of scandium: From industry to medicine. <i>Separation and Purification Reviews</i> , 2019, 48, 65-77.	2.8	30
140	Recent Applications of Molecularly Imprinted Polymers in Analytical Chemistry. <i>Separation and Purification Reviews</i> , 2019, 48, 179-219.	2.8	72
141	Preparation of highly efficient ion-imprinted polymers with Fe ₃ O ₄ nanoparticles as carrier for removal of Cr(VI) from aqueous solution. <i>Science of the Total Environment</i> , 2020, 699, 134334.	3.9	47
142	Advances in porous chitosan-based composite hydrogels: Synthesis and applications. <i>Reactive and Functional Polymers</i> , 2020, 146, 104372.	2.0	128
143	Removal of heavy metal ions from multi-component aqueous solutions by eco-friendly and low-cost composite sorbents with anisotropic pores. <i>Journal of Hazardous Materials</i> , 2020, 381, 120980.	6.5	88
144	Development of a new ion-imprinted polymer (IIP) with Cd ²⁺ ions based on divinylbenzene copolymers containing amidoxime groups. <i>Polymer Bulletin</i> , 2020, 77, 1969-1981.	1.7	6
145	Sensor based on electrosynthesised imprinted polymeric film for rapid and trace detection of copper(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127648.	4.0	46
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151	Molecularly imprinted polymer-based potentiometric sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115980.	5.8	65
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