

Removal of copper(II) ions from aqueous solution onto chitosan beads

Reactive and Functional Polymers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Comparative Adsorption of Lead(II) on Flake and Beadâ€Types of Chitosan. Journal of the Chinese Chemical Society, 2002, 49, 625-628.	0.8	46
2	Fast and efficient adsorption/desorption of protein by a novel magnetic nano-adsorbent. Biotechnology Letters, 2002, 24, 1913-1917.	1.1	71
3	Recovery of Metal Ions by Chitosan: Sorption Mechanisms and Influence of Metal Speciation. Macromolecular Bioscience, 2003, 3, 552-561.	2.1	73
4	Removal of copper(II) from aqueous solutions by biosorption on the cone biomass of Thuja orientalis. Process Biochemistry, 2003, 38, 1627-1631.	1.8	175
5	Low-cost adsorbents for heavy metals uptake from contaminated water: a review. Journal of Hazardous Materials, 2003, 97, 219-243.	6.5	2,718
6	Adsorption behavior of reactive dye in aqueous solution on chemical cross-linked chitosan beads. Chemosphere, 2003, 50, 1095-1105.	4.2	722
7	Fast Removal of Basic Dyes by a Novel Magnetic Nano-adsorbent. Chemistry Letters, 2003, 32, 488-489.	0.7	38
8	Interactions of metal ions with chitosan-based sorbents: a review. Separation and Purification Technology, 2004, 38, 43-74.	3.9	1,552
9	Sorption of Copper(II) from Aqueous Solution by Peat. Water, Air, and Soil Pollution, 2004, 158, 77-97.	1.1	143
10	A novel thermally-activated crosslinking agent for chitosan in aqueous solution: a rheological investigation. Colloid and Polymer Science, 2004, 282, 602-612.	1.0	25
11	Preparation and characterization of quaternary chitosan salt: adsorption equilibrium of chromium(VI) ion. Reactive and Functional Polymers, 2004, 61, 347-352.	2.0	153
12	Recovery of silver-thiosulphate complexes with chitin. Process Biochemistry, 2004, 39, 1553-1559.	1.8	39
13	Preparation of crosslinked carboxymethylated chitin derivatives by irradiation and their sorption behavior for copper(II) ions. Journal of Applied Polymer Science, 2004, 91, 556-562.	1.3	20
14	Preparation of polysulfone-coated chitosan beads by emulsion phase-inversion method. Journal of Applied Polymer Science, 2004, 91, 3542-3548.	1.3	6
15	Adsorption properties of a chelating resin containing hydroxy group and iminodiacetic acid for copper ions. Journal of Applied Polymer Science, 2004, 94, 2123-2130.	1.3	43
16	Adsorption of anionic dyes on chitosan beads. 1. The influence of the chemical structures of dyes and temperature on the adsorption kinetics. Journal of Colloid and Interface Science, 2004, 280, 380-386.	5.0	125
17	Chitosan functionalized with 2[-bis-(pyridylmethyl) aminomethyl]4-methyl-6-formyl-phenol: equilibrium and kinetics of copper (II) adsorption. Polymer, 2004, 45, 6285-6290.	1.8	66
18	Adsorption of Cu(II) on porous chitosan membranes functionalized with histidine. Journal of Membrane Science, 2004, 240, 227-235.	4.1	113

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19	Adsorptive separation of hemoglobin by molecularly imprinted chitosan beads. <i>Biomaterials</i> , 2004, 25, 5905-5912.	5.7	191
20	Lead sorption from aqueous solutions on chitosan nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 251, 183-190.	2.3	194
21	Calorimetric studies of the association of chitin and chitosan with sodium dodecyl sulfate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 35, 23-27.	2.5	28
22	Preparation of alginate-chitosan hybrid gel beads and adsorption of divalent metal ions. <i>Chemosphere</i> , 2004, 55, 135-140.	4.2	221
23	Cellulose/chitin beads for adsorption of heavy metals in aqueous solution. <i>Water Research</i> , 2004, 38, 2643-2650.	5.3	285
24	Equilibrium and kinetics studies of adsorption of copper (II) on chitosan and chitosan/PVA beads. <i>International Journal of Biological Macromolecules</i> , 2004, 34, 155-161.	3.6	294
25	Structure and interactions in covalently and ionically crosslinked chitosan hydrogels for biomedical applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 57, 19-34.	2.0	1,792
26	Sorption of Ni(II)-citrate complex from electroless nickel plating solutions onto chitosan. <i>Transactions of the Institute of Metal Finishing</i> , 2004, 82, 38-42.	0.6	11
27	Adsorption of amoxicillin on chitosan beads: Kinetics, equilibrium and validation of finite bath models. <i>Biochemical Engineering Journal</i> , 2005, 27, 132-137.	1.8	123
28	Recent developments in polysaccharide-based materials used as adsorbents in wastewater treatment. <i>Progress in Polymer Science</i> , 2005, 30, 38-70.	11.8	1,812
29	Heterogeneous catalysis on chitosan-based materials: a review. <i>Progress in Polymer Science</i> , 2005, 30, 71-109.	11.8	648
30	Remediation of soil contaminated with the heavy metal (Cd ²⁺). <i>Journal of Hazardous Materials</i> , 2005, 122, 7-15.	6.5	94
31	Use of chitosan as an antifouling agent in a membrane bioreactor. <i>Journal of Membrane Science</i> , 2005, 248, 127-136.	4.1	58
32	Preparation and adsorption properties of monodisperse chitosan-bound Fe ₃ O ₄ magnetic nanoparticles for removal of Cu(II) ions. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 446-451.	5.0	657
33	Kinetics and equilibrium adsorption of Cu(II), Cd(II), and Ni(II) ions by chitosan functionalized with 2[-bis-(pyridylmethyl)aminomethyl]-4-methyl-6-formylphenol. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 369-374.	5.0	154
34	Palladium and platinum recovery from bicomponent mixtures using chitosan derivatives. <i>Hydrometallurgy</i> , 2005, 76, 131-147.	1.8	161
35	Adsorption behaviour of Fe(II) and Fe(III) ions in aqueous solution on chitosan and cross-linked chitosan beads. <i>Bioresource Technology</i> , 2005, 96, 443-450.	4.8	389
36	Chemically modified chitosan beads as matrices for adsorptive separation of proteins by molecularly imprinted polymer. <i>Carbohydrate Polymers</i> , 2005, 62, 214-221.	5.1	60

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37	Application of the concentration-dependent surface diffusion model on the multicomponent fixed-bed adsorption systems. <i>Chemical Engineering Science</i> , 2005, 60, 5472-5479.	1.9	29
38	Removal of copper, chromium, and arsenic from CCA-treated wood onto chitin and chitosan. <i>Bioresource Technology</i> , 2005, 96, 389-392.	4.8	65
39	Preparation and adsorption ability of polysulfone microcapsules containing modified chitosan gel. <i>Tsinghua Science and Technology</i> , 2005, 10, 535-541.	4.1	14
40	Copper adsorption on chitosan-cellulose hydrogel beads: behaviors and mechanisms. <i>Separation and Purification Technology</i> , 2005, 42, 237-247.	3.9	454
41	Ethylenediamine grafted poly(glycidylmethacrylate-co-methylmethacrylate) adsorbent for removal of chromate anions. <i>Separation and Purification Technology</i> , 2005, 45, 192-199.	3.9	82
42	Adsorption of diuretic furosemide onto chitosan nanoparticles prepared with a water-in-oil nanoemulsion system. <i>Reactive and Functional Polymers</i> , 2005, 65, 249-257.	2.0	54
43	Mercury Ion Recovery Using Natural and Crosslinked Chitosan Membranes. <i>Adsorption</i> , 2005, 11, 731-736.	1.4	68
44	Produção e caracterização de microesferas de quitosana modificadas quimicamente. <i>Polimeros</i> , 2005, 15, 306-312.	0.2	13
45	Investigation of Metal Ion Removal Selectivity Properties of the Modified Polyacrylamide Hydrogels Prepared by Transamidation and Hofmann Reactions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 1287-1298.	1.2	6
46	Synthesis and Characterization of Modified Chitosan Through Immobilization of Complexing Agents. <i>Macromolecular Symposia</i> , 2005, 229, 203-207.	0.4	26
47	A Novel Amine-Shielded Surface Cross-Linking of Chitosan Hydrogel Beads for Enhanced Metal Adsorption Performance. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6692-6700.	1.8	167
48	Copper-binding efficacy of water-soluble chitosans: characterization by aqueous binding isotherms. <i>Chemosphere</i> , 2005, 59, 1309-1315.	4.2	9
49	Sorption of cadmium, copper, and zinc ions onto bone char using Crank diffusion model. <i>Chemosphere</i> , 2005, 60, 1141-1150.	4.2	90
50	Sorption of metal ions from aqueous solution using bone char. <i>Environment International</i> , 2005, 31, 845-854.	4.8	71
51	Mechanisms of lead biosorption on cellulose/chitin beads. <i>Water Research</i> , 2005, 39, 3755-3762.	5.3	242
52	Adsorption and desorption characteristics of mercury(II) ions using aminated chitosan bead. <i>Water Research</i> , 2005, 39, 3938-3944.	5.3	153
53	Hydrogels with Acid Groups for Removal of Copper(II) and Lead(II) Ions. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 117-124.	1.9	26
54	Dynamic and static adsorption and desorption of Hg(II) ions on chitosan membranes and spheres. <i>Water Research</i> , 2006, 40, 1726-1734.	5.3	212

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55	Impregnation of chelating agent 3,3-bis-N,N bis-(carboxymethyl)aminomethyl-o-cresolsulfonephthalein in biopolymer chitosan: adsorption equilibrium of Cu(II) in aqueous medium. <i>Polimeros</i> , 2006, 16, 116-122.	0.2	10
56	Preparation and properties of chitosan/poly(vinyl alcohol) blend foams for copper adsorption. <i>Polymer International</i> , 2006, 55, 1230-1235.	1.6	36
57	Biopolymer coated clay particles for the adsorption of tungsten from water. <i>Desalination</i> , 2006, 197, 165-178.	4.0	73
58	Chitosan flakes and chitosan-GLA beads for adsorption of p-nitrophenol in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 277, 214-222.	2.3	79
59	Interaction of natural and crosslinked chitosan membranes with Hg(II) ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 279, 196-207.	2.3	192
60	Development of a biosensor based on gilo peroxidase immobilized on chitosan chemically crosslinked with epichlorohydrin for determination of rutin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 366-372.	1.4	71
61	In situ preparation of magnetic chitosan/Fe ₃ O ₄ composite nanoparticles in tiny pools of water-in-oil microemulsion. <i>Reactive and Functional Polymers</i> , 2006, 66, 1552-1558.	2.0	192
62	Adsorptions of heavy metal ions by a magnetic chelating resin containing hydroxy and iminodiacetate groups. <i>Separation and Purification Technology</i> , 2006, 50, 15-21.	3.9	60
63	Fast and efficient recovery of lipase by polyacrylic acid-coated magnetic nano-adsorbent with high activity retention. <i>Separation and Purification Technology</i> , 2006, 51, 113-117.	3.9	38
64	Adsorption properties of N-succinyl-chitosan and cross-linked N-succinyl-chitosan resin with Pb(II) as template ions. <i>Separation and Purification Technology</i> , 2006, 51, 409-415.	3.9	67
65	Adsorption kinetics of Cu(II) ions using N,O-carboxymethyl-chitosan. <i>Journal of Hazardous Materials</i> , 2006, 131, 103-111.	6.5	190
66	Adsorption and recovery of lead(II) from aqueous solutions by immobilized <i>Pseudomonas Aeruginosa</i> PU21 beads. <i>Journal of Hazardous Materials</i> , 2006, 137, 99-105.	6.5	50
67	Copper(II)-EDTA sorption onto chitosan and its regeneration applying electrolysis. <i>Journal of Hazardous Materials</i> , 2006, 137, 1430-1437.	6.5	41
68	Heavy metal sorption by calcium alginate beads from <i>Laminaria digitata</i> . <i>Journal of Hazardous Materials</i> , 2006, 137, 1765-1772.	6.5	310
69	Screening long-time plating effluent qualities by sorbent sorption with XRF analysis. <i>Journal of Hazardous Materials</i> , 2006, 138, 67-72.	6.5	2
70	Sorption of copper ions by granulated chitosan. <i>Fibre Chemistry</i> , 2006, 38, 98-102.	0.0	1
71	Adsorption of chromium from aqueous solution using chitosan beads. <i>Adsorption</i> , 2006, 12, 249-257.	1.4	104
73	A chelating cellulose adsorbent for the removal of Cu(II) from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2888-2897.	1.3	117

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74	Adsorption and desorption properties of the chelating membranes prepared from the PE films. Journal of Applied Polymer Science, 2006, 99, 1895-1902.	1.3	17
75	Oxidation of hydroquinone to p-benzoquinone catalyzed by Cu(II) supported on chitosan flakes. Journal of Applied Polymer Science, 2006, 100, 3034-3043.	1.3	24
76	Separation of metal ions by water-insoluble polymers containing sulfonic/sulfonate groups. Journal of Applied Polymer Science, 2006, 101, 4328-4333.	1.3	5
77	Adsorption and desorption properties of grafted polyethylene films modified with polyethylenimine chains. Journal of Applied Polymer Science, 2006, 102, 5965-5976.	1.3	13
78	Development of chitosan-based granular adsorbents for enhanced and selective adsorption performance in heavy metal removal. Water Science and Technology, 2006, 54, 103-113.	1.2	53
79	Synthesis and characterization of a pH-sensitive hydrogel made of pyruvic-acid-modified chitosan. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 35-44.	1.9	17
80	Preparation and characterization of novel poly(glycidyl methacrylate) beads carrying amidoxime groups. Journal of Applied Polymer Science, 2007, 106, 2126-2131.	1.3	16
81	Application of Chitosan for the Removal of Metals From Wastewaters by Adsorption—Mechanisms and Models Review. Critical Reviews in Environmental Science and Technology, 2007, 37, 41-127.	6.6	646
82	Preparation of crosslinked chitosan/poly(vinyl alcohol) blend beads with high mechanical strength. Green Chemistry, 2007, 9, 894.	4.6	38
83	Preparation and adsorption behavior for metal ions and humic acid of chitosan derivatives crosslinked by irradiation. Nuclear Science and Techniques/Hewuli, 2007, 18, 42-49.	1.3	6
84	Removal of environmentally impacting metal ions using functional resin poly(4-styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 Td (su Science, 2007, 104, 1769-1774.	1.3	17
85	Removal of Hg ²⁺ from aqueous solution using alginate gel containing chitosan. Journal of Applied Polymer Science, 2007, 104, 2896-2905.	1.3	32
86	Preparation of fructose-mediated (polyethylene glycol/chitosan) membrane and adsorption of heavy metal ions. Journal of Applied Polymer Science, 2007, 105, 1480-1489.	1.3	33
87	Absorbency and adsorption of poly(acrylic acid-co-acrylamide) hydrogel. Journal of Applied Polymer Science, 2007, 106, 1606-1613.	1.3	44
88	Comparative studies on the adsorption of Cr(VI) ions on to various sorbents. Bioresource Technology, 2007, 98, 661-665.	4.8	147
89	Depositing Cu ₂ O of different morphology on chitosan nanoparticles by an electrochemical method. Carbohydrate Polymers, 2007, 67, 623-629.	5.1	43
90	Oxidation of azo textile soluble dyes with hydrogen peroxide in the presence of Cu(II)-chitosan heterogeneous catalysts. Dyes and Pigments, 2007, 73, 19-24.	2.0	41
91	A green bean homogenate immobilized on chemically crosslinked chitin for determination of caffeic acid in white wine. Enzyme and Microbial Technology, 2007, 40, 661-668.	1.6	51

#	ARTICLE	IF	CITATIONS
92	Adsorption properties of Cu(II) ions onto N-succinyl-chitosan and crosslinked N-succinyl-chitosan template resin. <i>Biochemical Engineering Journal</i> , 2007, 36, 131-138.	1.8	29
93	Complexes of carboxymethylcellulose in water. Part 2. Co ²⁺ and Al ³⁺ remediation studies of wastewaters with Co ²⁺ , Al ³⁺ , Cu ²⁺ , VO ₂ ⁺ and Mo ⁶⁺ . <i>Hydrometallurgy</i> , 2007, 87, 178-189.	1.8	26
94	The aggregation behavior between anionic carboxymethylchitosan and cetyltrimethylammonium bromide: MesoDyn simulation and experiments. <i>European Polymer Journal</i> , 2007, 43, 2690-2698.	2.6	28
95	Crosslinking of chitosan membranes using glutaraldehyde: Effect on ion permeability and water absorption. <i>Journal of Membrane Science</i> , 2007, 301, 126-130.	4.1	290
96	Preparation of porous chitosan gel beads for copper(II) ion adsorption. <i>Journal of Hazardous Materials</i> , 2007, 147, 67-73.	6.5	113
97	Biological and chemical removal of Cr(VI) from waste water: Cost and benefit analysis. <i>Journal of Hazardous Materials</i> , 2007, 147, 275-280.	6.5	45
98	An adsorption study of Al(III) ions onto chitosan. <i>Journal of Hazardous Materials</i> , 2007, 148, 185-191.	6.5	71
99	Radiation synthesis and characterization of polyamidoamine dendrimer macromolecules with different loads of nickel salt for adsorption of some metal ion. <i>Radiation Physics and Chemistry</i> , 2007, 76, 1612-1618.	1.4	14
100	Preparation and characterization of a novel IPN hydrogel membrane of poly(N-isopropylacrylamide)/carboxymethyl chitosan (PNIPAAm/CMCS). <i>Radiation Physics and Chemistry</i> , 2007, 76, 1425-1429.	1.4	51
101	Effect of heparin coating on epichlorohydrin cross-linked chitosan microspheres on the adsorption of copper (II) ions. <i>Reactive and Functional Polymers</i> , 2007, 67, 468-475.	2.0	75
102	Chitosan modified with Reactive Blue 2 dye on adsorption equilibrium of Cu(II) and Ni(II) ions. <i>Reactive and Functional Polymers</i> , 2007, 67, 1052-1060.	2.0	59
103	Adsorption and desorption of binary mixtures of copper and mercury ions on natural and crosslinked chitosan membranes. <i>Adsorption</i> , 2007, 13, 603-611.	1.4	82
104	A novel method to prepare high chitosan content blend hollow fiber membranes using a non-acidic dope solvent for highly enhanced adsorptive performance. <i>Journal of Membrane Science</i> , 2007, 302, 150-159.	4.1	39
105	Hemoglobin recognition of molecularly imprinted hydrogels prepared at different pHs. <i>Analytica Chimica Acta</i> , 2008, 625, 110-115.	2.6	30
106	Adsorption of humic acid from aqueous solutions on crosslinked chitosan-epichlorohydrin beads: Kinetics and isotherm studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 18-24.	2.5	134
107	Cutting fluid effluent removal by adsorption on chitosan and sds-modified chitosan. <i>Macromolecular Research</i> , 2008, 16, 492-502.	1.0	25
108	Enhanced swelling and adsorption properties of AAm-AMPSNa/clay hydrogel nanocomposites for heavy metal ion removal. <i>Polymers for Advanced Technologies</i> , 2008, 19, 213-220.	1.6	196
109	MMTCA Recognition by Molecular Imprinting in Interpenetrating Polymer Network Hydrogels Based on Poly(acrylic acid) and Poly(vinyl alcohol). <i>Macromolecular Bioscience</i> , 2008, 8, 417-425.	2.1	11

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110	Preparation and adsorption properties of chitosan-poly(acrylic acid) nanoparticles for the removal of nickel ions. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2333-2342.	1.3	47
111	Synthesis, characterization and swelling behavior of chitosan-sucrose as a novel full polysaccharide superabsorbent hydrogel. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2648-2655.	1.3	42
112	Adsorption of heavy metal ions from aqueous solution onto chitosan entrapped CM-cellulose hydrogels synthesized by irradiation. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1388-1395.	1.3	117
113	Study on CM-chitosan/activated carbon hybrid gel films formed with EB irradiation. <i>Radiation Physics and Chemistry</i> , 2008, 77, 622-629.	1.4	11
114	Chitosan crosslinked with a metal complexing agent: Synthesis, characterization and copper(II) ions adsorption. <i>Reactive and Functional Polymers</i> , 2008, 68, 572-579.	2.0	89
115	Removal of Pb ²⁺ , Cu ²⁺ , and Fe ³⁺ from battery manufacture wastewater by chitosan produced from silkworm chrysalides as a low-cost adsorbent. <i>Reactive and Functional Polymers</i> , 2008, 68, 634-642.	2.0	100
116	Recovery of Cu(II) and Cd(II) by a chelating resin containing aspartate groups. <i>Journal of Hazardous Materials</i> , 2008, 152, 986-993.	6.5	75
117	Evaluation of batch adsorption of chromium ions on natural and crosslinked chitosan membranes. <i>Journal of Hazardous Materials</i> , 2008, 152, 1155-1163.	6.5	147
118	Comparative adsorption of Cu(II), Zn(II), and Pb(II) ions in aqueous solution on the crosslinked chitosan with epichlorohydrin. <i>Journal of Hazardous Materials</i> , 2008, 154, 184-191.	6.5	426
119	Removal of cadmium (II) from aqueous solutions by adsorption on agricultural waste biomass. <i>Journal of Hazardous Materials</i> , 2008, 154, 1149-1157.	6.5	272
120	Adsorption equilibrium of copper ion and phenol by powdered activated carbon, alginate bead and alginate-activated carbon bead. <i>Journal of Industrial and Engineering Chemistry</i> , 2008, 14, 714-719.	2.9	67
121	Calcium alginate beads from <i>Laminaria digitata</i> for the removal of Cu ²⁺ and Cd ²⁺ from dilute aqueous metal solutions. <i>Desalination</i> , 2008, 224, 293-306.	4.0	125
122	Removal of Nickel(II) from aqueous solution by adsorption on agricultural waste biomass using a response surface methodological approach. <i>Bioresource Technology</i> , 2008, 99, 1325-1331.	4.8	290
123	Complexation of heavy metals by crosslinked chitin and its deacetylated derivatives. <i>Carbohydrate Polymers</i> , 2008, 71, 66-73.	5.1	59
124	Preparation and metal-binding behaviour of chitosan functionalized by ester- and amino-terminated hyperbranched polyamidoamine polymers. <i>Carbohydrate Research</i> , 2008, 343, 267-273.	1.1	33
125	Poly(2-acrylamido glycolic acid-co-acryloyl morpholine) and poly(2-acrylamido glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 impacting metal ions. <i>European Polymer Journal</i> , 2008, 44, 523-533.	2.6	23
126	The influence of the degree of cross-linking on the adsorption properties of chitosan beads. <i>Bioresource Technology</i> , 2008, 99, 7377-7382.	4.8	93
127	Preparation and characteristics of novel dialdehyde aminothiazole starch and its adsorption properties for Cu (II) ions from aqueous solution. <i>Carbohydrate Polymers</i> , 2008, 72, 326-333.	5.1	78

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128	Biosensors based on bean sprout homogenate immobilized in chitosan microspheres and silica for determination of chlorogenic acid. <i>Enzyme and Microbial Technology</i> , 2008, 43, 381-387.	1.6	35
129	Sorption of U(VI) from sulfate solutions with spherically granulated chitosans. <i>Radiochemistry</i> , 2008, 50, 515-522.	0.2	1
130	Biosorption of copper ions from dilute aqueous solutions on base treated rubber (Hevea brasiliensis) leaves powder: kinetics, isotherm, and biosorption mechanisms. <i>Journal of Environmental Sciences</i> , 2008, 20, 1168-1176.	3.2	129
131	Spray-dried chitosan microspheres containing 8-hydroxyquinoline -5 sulphonic acid as a new adsorbent for Cd(II) and Zn(II) ions. <i>International Journal of Biological Macromolecules</i> , 2008, 42, 152-157.	3.6	42
132	Interaction behaviors between chitosan and hemoglobin. <i>International Journal of Biological Macromolecules</i> , 2008, 42, 441-446.	3.6	40
133	Synthesis and characterization of tannin-immobilized hydrotalcite as a potential adsorbent of heavy metal ions in effluent treatments. <i>Applied Clay Science</i> , 2008, 42, 214-223.	2.6	74
134	Biosorption of Cu ²⁺ and Cr ³⁺ from aqueous solution by a novel adsorbent resin-poly(aspartic acid). <i>Journal of Biotechnology</i> , 2008, 136, S410-S411.	1.9	3
135	Novel and modified materials for wastewater treatment applications. <i>Journal of Materials Chemistry</i> , 2008, 18, 2751.	6.7	108
136	Water-soluble Polyelectrolytes Containing Sulfonic Acid Groups with Metal Ion Binding Ability by Using the Liquid Phase Polymer Based Retention Technique. <i>Macromolecular Symposia</i> , 2008, 270, 143-152.	0.4	20
137	Copper Adsorption on Chitosan-Derived Schiff Bases. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 46, 46-57.	1.2	49
138	Removal and Recovery of Heavy Metals from Simulated Wastewater Using Insoluble Starch Xanthate Process. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2008, 12, 170-180.	0.4	4
139	Speciation Analysis of Dissolved Copper in Wastewater with Azocarmine B by Light Absorption Ratio Variation Combined with Continuous Flow Analysis. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 1338-1344.	0.8	2
140	Synthesis of Porous Cross-Linked Grafted Chitosan and Its Application for Metal Ion Adsorption. , 2009, , .		0
141	Adsorptive Removal of Copper Ions from Aqueous Solution Using Cross-linked Magnetic Chitosan Beads. <i>Chinese Journal of Chemical Engineering</i> , 2009, 17, 960-966.	1.7	54
142	Copper(II) Biosorption on Soda Lignin From Oil Palm Empty Fruit Bunches (EFB). <i>Clean - Soil, Air, Water</i> , 2009, 37, 80-85.	0.7	21
143	Dependence of Protein Recognition of Temperature-sensitive Imprinted Hydrogels on Preparation Temperature. <i>Macromolecular Bioscience</i> , 2009, 9, 421-428.	2.1	28
144	Surface modification of rubber (<i>Hevea brasiliensis</i>) leaves for the adsorption of copper ions: kinetic, thermodynamic and binding mechanisms. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 192-201.	1.6	19
145	Poly(2-acrylamido glycolic acid-co-2-acrylamido-2-methyl-1-propane sulfonic acid): Synthesis, characterization, and retention properties for environmentally impacting metal ions. <i>Journal of Applied Polymer Science</i> , 2009, 111, 78-86.	1.3	19

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146	Preparation, characterization, and adsorption properties of chitosan microspheres crosslinked by formaldehyde for copper (II) from aqueous solution. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2881-2885.	1.3	33
147	Poly[4-(4-vinylbenzyloxy)phenylhydroxylbenzaldehyde] for rapid removal of low concentrations of Pb(II). <i>Journal of Applied Polymer Science</i> , 2009, 113, 2096-2102.	1.3	3
148	Synthesis and metal ion adsorption properties of poly(4-sodium styrene sulfonate-co-acrylic) Tj ETQq0,0,0 rgBT /Overlock 1	1.3	25
149	Synthesis and characterization of a crosslinked chitosan derivative with a complexing agent and its adsorption studies toward metal(II) ions. <i>Carbohydrate Research</i> , 2009, 344, 1632-1638.	1.1	46
150	Surface modification of glass beads with glutaraldehyde: Characterization and their adsorption property for metal ions. <i>Journal of Hazardous Materials</i> , 2009, 171, 594-600.	6.5	40
151	Sorbents based on N-(2-carboxyethyl)chitosan cross-linked by nanosecond electron beams. <i>Russian Chemical Bulletin</i> , 2009, 58, 1172-1179.	0.4	22
152	Glutaraldehyde and oxidised dextran as crosslinker reagents for chitosan-based scaffolds for cartilage tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1495-1503.	1.7	76
153	Preparation of dual-sensitive graft copolymer hydrogel based on N-maleoyl-chitosan and poly(N-isopropylacrylamide) by electron beam radiation. <i>Bulletin of Materials Science</i> , 2009, 32, 521-526.	0.8	30
154	Kinetic and thermodynamic studies of adsorption of Cu ²⁺ and Pb ²⁺ onto amidoximated bacterial cellulose. <i>Polymer Bulletin</i> , 2009, 63, 283-297.	1.7	44
155	Competitive adsorption of Cu(II) and Cd(II) ions on spray-dried chitosan loaded with Reactive Orange 16. <i>Materials Science and Engineering C</i> , 2009, 29, 613-618.	3.8	37
156	Study on metal complexes of chelating resins bearing iminodiacetate groups. <i>European Polymer Journal</i> , 2009, 45, 2119-2130.	2.6	42
157	Formation and recovery of Co ²⁺ , Ni ²⁺ , Cu ²⁺ macromolecular complexes with polystyrene and acrylic acid. <i>Hydrometallurgy</i> , 2009, 96, 269-274.	1.8	7
158	Adsorption of Au(III) from aqueous solution using cotton fiber/chitosan composite adsorbents. <i>Hydrometallurgy</i> , 2009, 100, 65-71.	1.8	93
159	Anodic stripping voltammetric determination of copper(II) using a functionalized carbon nanotubes paste electrode modified with crosslinked chitosan. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 260-266.	4.0	160
160	Chitosan-cyanuric chloride intermediary as a source to incorporate molecules Thermodynamic data of copper/biopolymer interactions. <i>Thermochimica Acta</i> , 2009, 483, 21-28.	1.2	41
161	Rapid removal of heavy metal cations and anions from aqueous solutions by an amino-functionalized magnetic nano-adsorbent. <i>Journal of Hazardous Materials</i> , 2009, 163, 174-179.	6.5	568
162	Supported Cu(II) polymer catalysts for aqueous phenol oxidation. <i>Journal of Hazardous Materials</i> , 2009, 163, 809-815.	6.5	39
163	The chemically crosslinked metal-complexed chitosans for comparative adsorptions of Cu(II), Zn(II), Ni(II) and Pb(II) ions in aqueous medium. <i>Journal of Hazardous Materials</i> , 2009, 163, 1068-1075.	6.5	199

#	ARTICLE	IF	CITATIONS
164	The removal of nitrate from aqueous solutions by chitosan hydrogel beads. <i>Journal of Hazardous Materials</i> , 2009, 164, 1012-1018.	6.5	244
165	Use of rice straw as biosorbent for removal of Cu(II), Zn(II), Cd(II) and Hg(II) ions in industrial effluents. <i>Journal of Hazardous Materials</i> , 2009, 166, 383-388.	6.5	231
166	Removal and recovery of Hg(II) from aqueous solution using chitosan-coated cotton fibers. <i>Journal of Hazardous Materials</i> , 2009, 167, 717-727.	6.5	86
167	Hg(II) removal from water by chitosan and chitosan derivatives: A review. <i>Journal of Hazardous Materials</i> , 2009, 167, 10-23.	6.5	427
168	Adsorption of uranium (VI) from aqueous solution onto cross-linked chitosan. <i>Journal of Hazardous Materials</i> , 2009, 168, 1053-1058.	6.5	325
169	Competitive adsorption of Cu (II), Co (II) and Ni (II) from their binary and tertiary aqueous solutions using chitosan-coated perlite beads as biosorbent. <i>Journal of Hazardous Materials</i> , 2009, 170, 680-689.	6.5	169
170	Crosslinked chitosan/polyvinyl alcohol blend beads for removal and recovery of Cd(II) from wastewater. <i>Journal of Hazardous Materials</i> , 2009, 172, 1041-1048.	6.5	208
171	Preparation of the electrospun chitosan nanofibers and their applications to the adsorption of Cu(II) and Pb(II) ions from an aqueous solution. <i>Journal of Membrane Science</i> , 2009, 328, 90-96.	4.1	380
172	Manufacture of chitosan microbeads using centrifugally driven flow of gel-forming solutions through a polymeric micronozzle. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 634-641.	5.0	42
173	Molecularly imprinted hydrogels for fibrinogen recognition. <i>Reactive and Functional Polymers</i> , 2009, 69, 655-659.	2.0	15
174	Molecularly imprinted organic-inorganic hybrid membranes for selective separation of phenylalanine isomers and its analogue. <i>Separation and Purification Technology</i> , 2009, 68, 97-104.	3.9	55
175	Enhanced coagulation of bentonite particles in water by a modified chitosan biopolymer. <i>Chemical Engineering Journal</i> , 2009, 148, 414-419.	6.6	56
176	Copper and chromium(VI) removal by chitosan derivatives—Equilibrium and kinetic studies. <i>Chemical Engineering Journal</i> , 2009, 152, 440-448.	6.6	177
177	Effect of trace Ag ⁺ adsorption on degradation of organic dye wastes. <i>Biochemical Engineering Journal</i> , 2009, 43, 2-7.	1.8	23
178	Preparation of Cu(II) adsorbed chitosan beads for catalase immobilization. <i>Food Chemistry</i> , 2009, 114, 962-969.	4.2	79
179	The effectiveness of the protected amino group on crosslinked chitosans for copper removal and the thermodynamics of interaction at the solid/liquid interface. <i>Carbohydrate Polymers</i> , 2009, 77, 760-766.	5.1	40
180	Preparation and properties of modified spherically granulated chitosan for sorption of ¹³⁷ Cs from solutions. <i>Radiochemistry</i> , 2009, 51, 496-501.	0.2	9
181	Synthesis and Chelating Properties of Polystyrene Supported Schiff Base (N,N ² -disalicylidenepropylenetriamine) Resin Toward Some Divalent Metal Ions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 47, 177-184.	1.2	16

#	ARTICLE	IF	CITATIONS
182	Preparation and inductive heating property of Fe ₃ O ₄ –chitosan composite nanoparticles in an AC magnetic field for localized hyperthermia. <i>Journal of Alloys and Compounds</i> , 2009, 477, 739-743.	2.8	117
183	Adsorption of Chromium(VI) from Aqueous Solutions Using Cross-Linked Magnetic Chitosan Beads. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 2646-2651.	1.8	136
184	Synthesis of magnetic nanoparticles for analytical applications. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 479-487.	1.8	22
185	Removal of the Textile Dye Indanthrene Olive Green from Aqueous Solution Using Chitosan. <i>Adsorption Science and Technology</i> , 2009, 27, 947-964.	1.5	3
186	A New Hybrid EDTA–Zirconium Phosphate Cation-Exchanger: Synthesis, Characterization and Adsorption Behaviour for Environmental Monitoring. <i>Adsorption Science and Technology</i> , 2009, 27, 423-434.	1.5	26
187	Chitin/Chitosan and Derivatives for Wastewater Treatment. , 2010, , 561-585.		16
188	Radiation Functionalization and Applications of Chitosan and Its Derivatives. , 2010, , 415-445.		0
189	Modification of heavy metal uptake efficiency by modified chitosan/anionic surfactant systems. <i>Engineering in Life Sciences</i> , 2010, 10, 218-224.	2.0	15
190	Environmental Application of Chitosan Resins for the Treatment of Water and Wastewater: A Review. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 273-288.	1.3	138
191	Evaluation of Cu ²⁺ , Co ²⁺ and Ni ²⁺ ions removal from aqueous solution using a novel chitosan/clinoptilolite composite: Kinetics and isotherms. <i>Chemical Engineering Journal</i> , 2010, 160, 157-163.	6.6	245
192	Simple method for preparation of chitosan/poly(acrylic acid) blending hydrogel beads and adsorption of copper(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2010, 165, 240-249.	6.6	152
193	Defined Chitosan-based networks by C-6-Azide–alkyne –click–reaction. <i>Reactive and Functional Polymers</i> , 2010, 70, 272-281.	2.0	47
194	A review and experimental verification of using chitosan and its derivatives as adsorbents for selected heavy metals. <i>Journal of Environmental Management</i> , 2010, 91, 798-806.	3.8	264
195	Adsorption characterization of Pb(II) and Cu(II) ions onto chitosan-tripolyphosphate beads: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Environmental Management</i> , 2010, 91, 958-969.	3.8	338
196	Biosorption of copper(II) by immobilizing <i>Saccharomyces cerevisiae</i> on the surface of chitosan-coated magnetic nanoparticles from aqueous solution. <i>Journal of Hazardous Materials</i> , 2010, 177, 676-682.	6.5	205
197	Adsorption and desorption of Cu(II), Cd(II) and Pb(II) ions using chitosan crosslinked with epichlorohydrin-triphosphate as the adsorbent. <i>Journal of Hazardous Materials</i> , 2010, 183, 233-241.	6.5	294
198	Membrane surfaces immobilized with ionic or reduced silver and their anti-biofouling performances. <i>Journal of Membrane Science</i> , 2010, 363, 278-286.	4.1	144
199	Square wave voltammetric determination of Hg(II) using thiol functionalized chitosan-multiwalled carbon nanotubes nanocomposite film electrode. <i>Mikrochimica Acta</i> , 2010, 169, 367-373.	2.5	57

#	ARTICLE	IF	CITATIONS
200	Synthesis and Properties of Surface Molecular Imprinting Adsorbent for Removal of Pb ²⁺ . Applied Biochemistry and Biotechnology, 2010, 160, 467-476.	1.4	20
201	Self-assembly functionalized membranes with chitosan microsphere/polyacrylic acid layers and its application for metal ion removal. Journal of Materials Science, 2010, 45, 6694-6700.	1.7	21
202	Synthesis and characterization of diethylenetriaminepentaacetic acid-chitosan-coated cobalt ferrite core/shell nanostructures. Materials Chemistry and Physics, 2010, 122, 498-501.	2.0	8
203	Novel chitin and chitosan nanofibers in biomedical applications. Biotechnology Advances, 2010, 28, 142-150.	6.0	868
204	Malachite Green Adsorption onto Chitosan Coated Bentonite Beads: Isotherms, Kinetics and Mechanism. Clean - Soil, Air, Water, 2010, 38, 394-400.	0.7	108
205	Chitosan modified with a polydentate crosslinker for metal ion adsorption. Journal of Applied Polymer Science, 2010, 115, 3013-3023.	1.3	2
206	Microwave preparation and adsorption properties of EDTA-modified cross-linked chitosan. Journal of Applied Polymer Science, 2010, 115, 514-519.	1.3	40
207	Removal of alkylphenols by the combined use of tyrosinase immobilized on ion exchange resins and chitosan beads. Journal of Applied Polymer Science, 2010, 115, 137-145.	1.3	15
208	A novel method for obtaining a high concentration chitosan solution and preparing a high strength chitosan hollow fiber membrane with an excellent adsorption capacity. Journal of Applied Polymer Science, 2010, 115, 1913-1921.	1.3	8
209	Characteristics of cotton fabrics treated with epichlorohydrin and chitosan. Journal of Applied Polymer Science, 2010, 117, 623-628.	1.3	53
210	Adsorption of Cd(II), Pb(II), and Ag(I) in aqueous solution on hollow chitosan microspheres. Journal of Applied Polymer Science, 2010, 118, 733-739.	1.3	9
211	Binary system Cu(II)/Pb(II) adsorption on activated carbon obtained by pyrolysis of cow bone study. Journal of Analytical and Applied Pyrolysis, 2010, 89, 122-128.	2.6	54
212	Systematic study of synergistic and antagonistic effects on adsorption of tetracycline and copper onto a chitosan. Journal of Colloid and Interface Science, 2010, 344, 117-125.	5.0	229
213	Removal of Cu(II) from aqueous solutions using chemically modified chitosan. Journal of Hazardous Materials, 2010, 175, 939-948.	6.5	229
214	Characterization of direct methanol fuel cell (DMFC) applications with H ₂ SO ₄ modified chitosan membrane. Journal of Power Sources, 2010, 195, 4915-4922.	4.0	56
215	Synthesis and characterization of photo-crosslinkable hydrogel membranes based on modified chitosan. Polymer, 2010, 51, 1002-1009.	1.8	51
216	Preparation and characterization of novel composites based on chitosan and clinoptilolite with enhanced adsorption properties for Cu ²⁺ . Bioresource Technology, 2010, 101, 812-817.	4.8	82
217	Sol-gel derived poly(vinyl alcohol)-3-(2-aminoethylamino) propyl trimethoxysilane: Cross-linked organic-inorganic hybrid beads for the removal of Pb(II) from aqueous solution. Chemical Engineering Journal, 2010, 162, 28-36.	6.6	52

#	ARTICLE	IF	CITATIONS
218	Adsorption of Cu(II) from aqueous solution by using modified Fe ₃ O ₄ magnetic nanoparticles. <i>Desalination</i> , 2010, 254, 162-169.	4.0	176
219	Sorption Efficiency of Chitosan Nanofibers toward Metal Ions at Low Concentrations. <i>Biomacromolecules</i> , 2010, 11, 3301-3308.	2.6	70
220	Green synthesis of chitosan-based nanofibers and their applications. <i>Green Chemistry</i> , 2010, 12, 1207.	4.6	103
221	Preparation and metal uptake studies of modified forms of chitin. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 583-589.	3.6	32
222	Preparation of Immobilized Fenton Reagent with H ₂ O ₂ Generated by Solar Light-Illuminated Cuprous Oxide/Chitosan Nanocomposites at Neutral pH Value. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	1
223	Recovery of nickel from mixed solution containing light metals by PSt/MA resin. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, s102-s106.	1.7	5
224	Removal of Mn, Fe, Ni and Cu Ions from Wastewater Using Cow Bone Charcoal. <i>Materials</i> , 2010, 3, 452-466.	1.3	90
225	Notice of Retraction: Adsorption Behaviors of Basic Amino Acids on a Spherical Cellulose Adsorbent. , 2011, , .		0
226	Synthesis, Characterization, and Analytical Applications of a New Composite Cation Exchange Material Acetonitrile Stannic(IV) Selenite: Adsorption Behavior of Toxic Metal Ions in Nonionic Surfactant Medium. <i>Separation Science and Technology</i> , 2011, 46, 847-857.	1.3	40
227	Method Development for Flow Adsorption and Removal of Lead and Copper in Contaminated Water Using Electrospun Nanofibers of Chitosan Blend. <i>Analytical Letters</i> , 2011, 44, 1937-1955.	1.0	16
228	Synthesis of novel PVA crosslink mixed matrix scaffolds and adsorption of copper ions from waste water. <i>Desalination and Water Treatment</i> , 2011, 34, 354-360.	1.0	5
229	Gold nanoparticles in an ionic liquid phase supported in a biopolymeric matrix applied in the development of a rosmarinic acid biosensor. <i>Analyst</i> , The, 2011, 136, 2495.	1.7	31
230	MAGNETIC DYE-AFFINITY BEADS FOR HUMAN SERUM ALBUMIN PURIFICATION. <i>Preparative Biochemistry and Biotechnology</i> , 2011, 41, 287-304.	1.0	14
231	Removal of copper(II) using chitin/chitosan nano-hydroxyapatite composite. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 119-124.	3.6	126
232	Characterisation and applications of synthesised cation exchanger guar gum sulphonic acid (GSA) resin for removal and recovery of toxic metal ions from industrial wastewater. <i>Water S A</i> , 2011, 37, .	0.2	11
233	Biosorption of Cd(II), Pb(II), and Ni(II) on <i>Magnifera indica</i> Leaf Powder: An Equilibrium Study. , 2011, , .		0
235	Sorption Dynamics and Process Development for Removal of Copper from Aqueous Solution Using a Biosorbent Based on Mango Tree Leaves. , 2011, , .		1
236	Removal of Cu ²⁺ ions using hydrogels of chitosan, itaconic and methacrylic acid: FTIR, SEM/EDX, AFM, kinetic and equilibrium study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 388, 59-69.	2.3	86

#	ARTICLE	IF	CITATIONS
237	Competitive adsorption of Cu(II) and Cd(II) ions by chitosan crosslinked with epichlorohydrin-triphosphate. <i>Bioresource Technology</i> , 2011, 102, 8769-8776.	4.8	154
238	Chitosan as an effective low-cost sorbent of heavy metal complexes with the polyaspartic acid. <i>Chemical Engineering Journal</i> , 2011, 173, 520-529.	6.6	82
239	Enhanced and selective adsorption of copper(II) ions on surface carboxymethylated chitosan hydrogel beads. <i>Chemical Engineering Journal</i> , 2011, 174, 586-594.	6.6	155
240	Application of response surface methodology for optimization of heavy metal biosorption using surfactant modified chitosan bead. <i>Chemical Engineering Journal</i> , 2011, 175, 376-387.	6.6	98
241	Copper and nitrophenol removal by low cost alginate/Mauritanian clay composite beads. <i>Chemical Engineering Journal</i> , 2011, 178, 168-174.	6.6	73
242	Electrochemical determination of copper(ii) using co-poly (cupferron and 1 ² -naphthol)/gold nanoparticles modified glassy carbon electrodes. <i>Analytical Methods</i> , 2011, 3, 1595.	1.3	5
243	Sorption of Eu(III) from solutions of covalently cross-linked chitosan cryogels. <i>Fibre Chemistry</i> , 2011, 42, 364-369.	0.0	9
244	Adsorption properties of Cd(II)-imprinted chitosan resin. <i>Journal of Materials Science</i> , 2011, 46, 1535-1541.	1.7	49
245	Synthesis of Crosslinked Chitosan with Epichlorohydrin Possessing Two Novel Polymeric Ligands and Its Use in Metal Removal. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011, 21, 69-80.	1.9	54
246	Boron adsorption mechanism on polyvinyl alcohol. <i>Adsorption</i> , 2011, 17, 171-178.	1.4	37
247	Adsorption equilibrium and kinetics of copper ions and phenol onto modified adsorbents. <i>Adsorption</i> , 2011, 17, 135-143.	1.4	14
248	The removal and kinetic study of Mn, Fe, Ni and Cu ions from wastewater onto activated carbon from coconut shells. <i>Adsorption</i> , 2011, 17, 505-514.	1.4	83
249	Enhanced adsorption properties of interpenetrating polymer network hydrogels for heavy metal ion removal. <i>Polymer Bulletin</i> , 2011, 67, 1709-1720.	1.7	42
250	Phosphate adsorption from aqueous solutions by disused adsorbents: Chitosan hydrogel beads after the removal of copper(II). <i>Chemical Engineering Journal</i> , 2011, 166, 970-977.	6.6	144
251	Adsorptive removal of Cr(III) and Fe(III) from aqueous solution by chitosan/attapulgitite composites: Equilibrium, thermodynamics and kinetics. <i>Chemical Engineering Journal</i> , 2011, 167, 112-121.	6.6	120
252	Chitosan membranes as sorbents for trace elements determination in surface waters. <i>Environmental Science and Pollution Research</i> , 2011, 18, 1633-1643.	2.7	21
253	Investigation of protein adsorption performance of Ni ²⁺ -attached diatomite particles embedded in composite monolithic cryogels. <i>Journal of Separation Science</i> , 2011, 34, 2173-2180.	1.3	30
254	Removal of endocrine disrupting chemicals from contaminated industrial groundwater using chitin as a biosorbent. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 367-374.	1.6	20

#	ARTICLE	IF	CITATIONS
255	Adsorption of Brilliant Green from Aqueous Solutions onto Crosslinked Chitosan Graft Copolymers. <i>Clean - Soil, Air, Water</i> , 2011, 39, 1001-1006.	0.7	32
256	Adsorption of Pb ²⁺ and Cd ²⁺ onto a Novel Activated Carbon-Chitosan Complex. <i>Chemical Engineering and Technology</i> , 2011, 34, 1745-1752.	0.9	47
257	Sensor-containing microspheres of chitosan crosslinked with 8-hydroxyquinoline-5-sulphonic acid for determination of Cu(II) in instant coffee. <i>Food Chemistry</i> , 2011, 126, 807-814.	4.2	13
258	Adsorption of graphene oxide/chitosan porous materials for metal ions. <i>Chinese Chemical Letters</i> , 2011, 22, 859-862.	4.8	96
259	Chitosan based ceramic ultrafiltration membrane: Preparation, characterization and application to remove Hg(II) and As(III) using polymer enhanced ultrafiltration. <i>Chemical Engineering Journal</i> , 2011, 170, 209-219.	6.6	104
260	Synthesis, characterization of acrylamide grafted chitosan and its use in removal of copper(II) ions from water. <i>Carbohydrate Polymers</i> , 2011, 83, 495-500.	5.1	82
261	Sorption behaviour of copper on chemically modified chitosan beads from aqueous solution. <i>Carbohydrate Polymers</i> , 2011, 83, 1082-1087.	5.1	84
262	Dithiocarbamated chitosan as a potent biopolymer for toxic cation remediation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 88-95.	2.5	58
263	Adsorptive removal of Cu(II) from aqueous solutions using non-crosslinked and crosslinked chitosan-coated bentonite beads. <i>Desalination</i> , 2011, 275, 154-159.	4.0	135
264	In situ cross-linked chitosan Cu(I) or Pd(II) complexes as a versatile, eco-friendly recyclable solid catalyst. <i>Journal of Molecular Catalysis A</i> , 2011, 334, 60-64.	4.8	78
265	High performance polymer chemical hydrogel-based electrode binder materials for direct borohydride fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 5817-5822.	4.0	27
266	Biosorption of Cu(II), Zn(II), Ni(II) and Pb(II) ions by cross-linked metal-imprinted chitosans with epichlorohydrin. <i>Journal of Environmental Management</i> , 2011, 92, 796-802.	3.8	106
267	Adsorption of chromium (VI) by ethylenediamine-modified cross-linked magnetic chitosan resin: Isotherms, kinetics and thermodynamics. <i>Journal of Hazardous Materials</i> , 2011, 185, 306-314.	6.5	730
268	Porous CS monoliths and their adsorption ability for heavy metal ions. <i>Journal of Hazardous Materials</i> , 2011, 188, 148-155.	6.5	23
269	Adsorption of heavy metal ions from aqueous solution by polyrhodanine-encapsulated magnetic nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 505-511.	5.0	222
270	Preparations, properties and applications of chitosan based nanofibers fabricated by electrospinning. <i>EXPRESS Polymer Letters</i> , 2011, 5, 342-361.	1.1	198
271	A Biopolymer Chitosan and Its Derivatives as Promising Antimicrobial Agents against Plant Pathogens and Their Applications in Crop Protection. <i>International Journal of Carbohydrate Chemistry</i> , 2011, 2011, 1-29.	1.5	276
272	Post-Processing Electrospun Fibers. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1301, 173.	0.1	0

#	ARTICLE	IF	CITATIONS
273	Adsorptive removal of copper ions from aqueous solution using porous magnetic chitosan microspheres. , 2011, , .		0
274	Recovery of copper from PCB manufacturing effluent using chitin and chitosan. Circuit World, 2012, 38, 16-20.	0.7	4
275	Preparation and Adsorption Performance of Cu (II)-Imprinted ALG-CTS Complex Microspheres. Applied Mechanics and Materials, 0, 268-270, 229-232.	0.2	2
276	Adsorption of Copper (II) and Lead (II) Ions onto Cottonseed Protein-PAA Hydrogel Composite. Polymer-Plastics Technology and Engineering, 2012, 51, 612-619.	1.9	34
277	Evaluation of Glass Beads Coated with Chitosan for the Adsorption of Copper(II) Ions from Aqueous Solution. Adsorption Science and Technology, 2012, 30, 227-240.	1.5	7
278	Improvement of Ag(I) adsorption onto chitosan/triethanolamine composite sorbent by an ion-imprinted technology. Applied Surface Science, 2012, 263, 696-703.	3.1	53
279	Kinetics and thermodynamics of Cu(II) biosorption on to a novel magnetic chitosan composite bead. Environmental Technology (United Kingdom), 2012, 33, 2345-2351.	1.2	38
280	Microwave preparation and properties of $\text{O}^{\text{2+}}$ crosslinked maleic acyl chitosan adsorbent for $\text{Pb}^{\text{2+}}$ and $\text{Cu}^{\text{2+}}$. Journal of Applied Polymer Science, 2012, 125, 2716-2723.	1.3	43
281	Characterizations of the Photocatalytically-Oxidized Cross-Linked Chitosan-Glutaraldehyde and its Application as a Sub-Layer in the TiO ₂ /CS-GLA Bilayer Photocatalyst System. Journal of Polymers and the Environment, 2012, 20, 817-829.	2.4	50
282	Removal of nickel(II) ions by histidine modified chitosan beads. Chemical Engineering Journal, 2012, 210, 590-596.	6.6	81
283	Removal of Cu(II), Zn(II) and Pb(II) from water using microwave-assisted synthesized maghemite nanotubes. Chemical Engineering Journal, 2012, 211-212, 493-500.	6.6	137
284	Chelation Properties of Chitosan Functionalized with 1-Hydroxy-2-pyridinethione-4-carboxylic Acid Toward Some Heavy Metal Ions in Aqueous Solutions. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 15-29.	1.2	12
285	Biosorption of chromium (VI) by chitosan-immobilized Acinetobacter haemolyticus. , 2012, , .		0
286	Preparation of a New Polystyrene Supported-Ethylenediaminediacetic Acid Resin and its Sorption Behavior toward Divalent Metal Ions. Solvent Extraction and Ion Exchange, 2012, 30, 101-112.	0.8	16
287	Construction of myoglobin imprinted polymer films by grafting from silicon surface. Journal of Materials Chemistry, 2012, 22, 636-642.	6.7	31
288	Physicochemical Parameters of Cu(II) Ions Adsorption from Aqueous Solution by Magnetic-Poly(divinylbenzene-n-vinylimidazole) Microbeads. Separation Science and Technology, 2012, 47, 709-722.	1.3	9
289	Adsorption of Copper(II) and Mercury(II) Ions onto Chemically-Modified Chitosan Membranes: Equilibrium and Kinetic Properties. Adsorption Science and Technology, 2012, 30, 1-21.	1.5	32
290	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

#	ARTICLE	IF	CITATIONS
291	Novel chitosan-based fluorescent materials for the selective detection and adsorption of Fe ³⁺ in water and consequent bio-imaging applications. <i>Talanta</i> , 2012, 97, 456-461.	2.9	30
292	Adsorption characteristics of Reactive Black 5 onto chitosan beads cross-linked with epichlorohydrin. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1458-1464.	2.9	71
293	Adsorption of Hg ²⁺ , Cu ²⁺ and Zn ²⁺ ions from aqueous solution using formaldehyde cross-linked modified chitosan-thioglyceraldehyde Schiff's base. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 773-781.	3.6	147
294	Oxidation of crosslinked chitosan-epichlorohydrine film and its application with TiO ₂ for phenol removal. <i>Carbohydrate Polymers</i> , 2012, 90, 87-94.	5.1	75
295	Fixed-bed column studies on a modified chitosan hydrogel for detoxification of aqueous solutions from copper (II). <i>Carbohydrate Polymers</i> , 2012, 90, 875-886.	5.1	62
296	Bi-porous bioinspired chitosan foams with layered structure and their adsorption for xylenol orange. <i>Chemical Engineering Journal</i> , 2012, 197, 509-516.	6.6	24
297	Comparative adsorption of Ni(II) and Cd(II) ions on epichlorohydrin crosslinked chitosan-clay composite beads in aqueous solution. <i>Chemical Engineering Journal</i> , 2012, 197, 379-386.	6.6	190
298	Effective removal of Cu ²⁺ ions from aqueous medium using alginate as biosorbent. <i>Ecological Engineering</i> , 2012, 38, 119-124.	1.6	55
299	New crosslinkers for electrospun chitosan fibre mats. I. Chemical analysis. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2551-2562.	1.5	58
300	Characterization of modified silica aerogel using sodium silicate precursor and its application as adsorbent of Cu ²⁺ , Cd ²⁺ , and Pb ²⁺ ions. <i>International Journal of Industrial Chemistry</i> , 2012, 3, 20.	3.1	42
301	Synthesis, Characterization, and Applications of a New Ion Exchanger Tamarind 4-aminobenzoic Acid (TABA) Resin in Industrial Wastewater Treatment. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 199-213.	1.8	15
302	A new rhodamine-chitosan fluorescent material for the selective detection of Hg ²⁺ in living cells and efficient adsorption of Hg ²⁺ in natural water. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 312-317.	4.0	31
303	Surface plasmon resonance optical sensor for detection of Pb ²⁺ based on immobilized p-tert-butylcalix[4]arene-tetrakis in chitosan thin film as an active layer. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 287-293.	4.0	70
304	Preparation and characterisation of tamarind 4-hydroxybenzoic acid (THBA) resin and its use in extraction of heavy metal ions from industrial wastewater. <i>Water S A</i> , 2012, 38, .	0.2	4
305	Dye attached poly(hydroxyethyl methacrylate) cryogel for albumin depletion from human serum. <i>Journal of Separation Science</i> , 2012, 35, 1173-1182.	1.3	51
306	The study of copper adsorption from aqueous solution using crosslinked chitosan immobilized on bentonite. <i>Journal of Applied Polymer Science</i> , 2012, 125, E132.	1.3	31
307	The effect of crosslinking on the adsorption behavior of copper (II) onto poly(2-hydroxy-4-acryloyloxybenzophenone). <i>Journal of Applied Polymer Science</i> , 2012, 126, 1008-1015.	1.3	2
308	Synthesis and Characterization of Guar Gum Nitrilotriacetic Acid (GNTAA) Resin and its Application in Removal and Recovery of Toxic Metal Ions from Effluent of Apex Steel Industry. <i>Arabian Journal for Science and Engineering</i> , 2012, 37, 1369-1379.	1.1	6

#	ARTICLE	IF	CITATIONS
309	Comparative Study of the Adsorption Selectivity of Cr(VI) onto Cationic Hydrogels with Different Functional Groups. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1713-1722.	1.1	22
310	Real-time monitoring of lead ion interaction on gold/chitosan surface using surface plasmon resonance spectroscopy. <i>Indian Journal of Physics</i> , 2012, 86, 619-623.	0.9	11
311	Synthesis, characterisation and application of new tamarind triethylamine (<sc>TTEA</sc>) resin for removal of toxic metal ions from the effluent of <sc>P</sc>uneet <sc>S</sc>teel <sc>I</sc>ndustry, <sc>J</sc>odhpur, <sc>R</sc>ajasthan. <i>Water and Environment Journal</i> , 2012, 26, 371-380.	1.0	4
312	New hydrogels based on symmetrical aromatic anhydrides: Synthesis, characterization and metal ion adsorption evaluation. <i>Carbohydrate Polymers</i> , 2012, 87, 881-893.	5.1	37
313	Cobalt (II) imprinted chitosan for selective removal of cobalt during nuclear reactor decontamination. <i>Carbohydrate Polymers</i> , 2012, 87, 2690-2696.	5.1	101
314	A new insight on the adsorption mechanism of amino-functionalized nano-Fe ₃ O ₄ magnetic polymers in Cu(II), Cr(VI) co-existing water system. <i>Chemical Engineering Journal</i> , 2012, 183, 180-191.	6.6	146
315	Enhanced chitosan/FeO-nanoparticles beads for hexavalent chromium removal from wastewater. <i>Chemical Engineering Journal</i> , 2012, 189-190, 196-202.	6.6	117
316	Adsorption of Cu(II), Cd(II) and Ni(II) ions by cross-linked magnetic chitosan-2-aminopyridine glyoxal Schiff's base. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 94, 250-258.	2.5	121
317	Preparation and application of amino functionalized mesoporous nanofiber membrane via electrospinning for adsorption of Cr ³⁺ from aqueous solution. <i>Journal of Environmental Sciences</i> , 2012, 24, 610-616.	3.2	62
318	Using chitosan as a selective depressant in the differential flotation of Cu&Pb sulfides. <i>International Journal of Mineral Processing</i> , 2012, 106-109, 8-15.	2.6	61
319	The characteristics and mechanism of Co(II) removal from aqueous solution by a novel xanthate-modified magnetic chitosan. <i>Nuclear Engineering and Design</i> , 2012, 242, 452-457.	0.8	92
320	An optical sensing film for the determination of Co(II) based on disodium-1-nitroso-2-naphthol-3,6-disulfonate immobilized in chitosan film. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 772-776.	4.0	7
321	Superparamagnetic high-surface-area Fe ₃ O ₄ nanoparticles as adsorbents for arsenic removal. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 439-446.	6.5	433
322	Competitive adsorption of Pb(II), Cu(II) and Zn(II) onto xanthate-modified magnetic chitosan. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 155-161.	6.5	364
323	Synthesis and adsorption properties, toward some heavy metal ions, of a new polystyrene&based terpyridine polymer. <i>Journal of Applied Polymer Science</i> , 2012, 124, 2717-2724.	1.3	17
324	Crosslinked poly(vinyl alcohol)/carboxymethyl chitosan hydrogels for removal of metal ions and dyestuff from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3459-3469.	1.3	36
325	Heterogenization of copper catalyst for the oxidation of phenol, a common contaminant in industrial wastewater. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 269-278.	1.3	7
326	Synthesis and application of modified poly (styrene&maleic anhydride) networks as a nano chelating resin for uptake of heavy metal ions. <i>Polymers for Advanced Technologies</i> , 2013, 24, 34-41.	1.6	46

#	ARTICLE	IF	CITATIONS
327	Removal of heavy metal ions from aqueous solution with nanochelating resins based on poly(styrene-co-maleic anhydride). <i>Journal of Applied Polymer Science</i> , 2013, 127, 2875-2883.	1.3	20
328	Preparation and characterization of porous chitosan-tripolyphosphate beads for copper(II) ion adsorption. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4573-4580.	1.3	50
329	Macromolecular sorbent materials for urea capture. <i>Journal of Applied Polymer Science</i> , 2013, 128, 667-675.	1.3	36
330	Adsorption of UO ₂ ²⁺ from aqueous solution onto copolymers of styrene and maleic anhydride. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 2193-2201.	0.7	17
331	Synthesis and characterization of a chitosan ligand for the removal of copper from aqueous media. <i>Journal of Applied Polymer Science</i> , 2013, 130, 4542-4550.	1.3	9
333	Adsorption of tartaric acid-cadmium complex by imprinted chitosan biopolymer. <i>Desalination and Water Treatment</i> , 2013, 51, 3883-3888.	1.0	4
334	Enhanced adsorption of heavy metal ions onto simultaneous interpenetrating polymer network hydrogels synthesized by UV irradiation. <i>Polymer Bulletin</i> , 2013, 70, 1415-1430.	1.7	25
335	Mechanical, swelling and adsorptive properties of dry-wet spun chitosan hollow fibers crosslinked with glutaraldehyde. <i>Reactive and Functional Polymers</i> , 2013, 73, 218-223.	2.0	43
336	Synthesis and adsorption behavior of chitosan-coated MnFe ₂ O ₄ nanoparticles for trace heavy metal ions removal. <i>Applied Surface Science</i> , 2013, 285, 498-504.	3.1	73
337	Self-Assembled Poly(N-methylaniline)-Lignosulfonate Spheres: From Silver Ion Adsorbent to Antimicrobial Material. <i>Chemistry - A European Journal</i> , 2013, 19, 10935-10944.	1.7	18
338	Sorption studies of lead (II) onto crosslinked and non crosslinked biopolymeric blends. <i>International Journal of Biological Macromolecules</i> , 2013, 59, 165-169.	3.6	15
339	Copper ion adsorption by chitosan nanoparticles and alginate microparticles for water purification applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 425, 31-41.	2.3	99
340	Novel adsorbent for DNA adsorption: Fe ³⁺ -attached sporopollenin particles embedded composite cryogels. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2013, 41, 376-383.	1.9	20
341	Synthesis and properties of isomeric pyridyl-containing chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 426-432.	3.6	22
342	Synthesis of chitosan based nanoparticles and their in vitro evaluation against phytopathogenic fungi. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 677-683.	3.6	319
343	Synthesis of ethylenediamine modified chitosan and evaluation for removal of divalent metal ions. <i>Carbohydrate Polymers</i> , 2013, 97, 530-536.	5.1	50
344	Thermo- and pH-sensitive interpenetrating poly(N-isopropylacrylamide)/carboxymethyl pullulan network for drug delivery. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	54
345	Modification of PSf/PIAM membrane for improved desalination applications using Chitosan coagulation media. <i>Desalination</i> , 2013, 317, 108-115.	4.0	23

#	ARTICLE	IF	CITATIONS
346	Chitosan Based Heterogeneous Catalyses: Chitosan-Grafted-Poly(4-Vinylpyridine) as an Efficient Catalyst for Michael Additions and Alkylpyridazinyl Carbonitrile Oxidation. <i>Molecules</i> , 2013, 18, 5288-5305.	1.7	36
347	Review: Preparation and Application of Magnetic Chitosan Derivatives in Separation Processes. <i>Analytical Letters</i> , 2013, 46, 2635-2656.	1.0	28
348	Removal of Pb(II), Cd(II), Mn(II), and Zn(II) using iminodiacetate chelating resin by batch and fixed-bed column methods. <i>Desalination and Water Treatment</i> , 2013, 51, 5526-5536.	1.0	19
349	Analysis of Pb(II) ion sensing by crosslinked chitosan thin film using surface plasmon resonance spectroscopy. <i>Optik</i> , 2013, 124, 126-133.	1.4	74
350	Electrospun nanofiber membrane of PEO/Chitosan for the adsorption of nickel, cadmium, lead and copper ions from aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 220, 237-243.	6.6	330
351	Graphene oxide-chitosan composite hydrogels as broad-spectrum adsorbents for water purification. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1992-2001.	5.2	582
352	Adsorption of cadmium (II) and copper (II) ions from aqueous solution using chitosan composite. <i>Polymer Composites</i> , 2013, 34, 233-240.	2.3	27
353	Effect of synthesis conditions of polyallylamine-beads-glucose (PAA-Glu) on boron adsorption. <i>Adsorption</i> , 2013, 19, 1-9.	1.4	14
354	Mixed matrix membranes for efficient adsorption of copper ions from aqueous solutions. <i>Separation and Purification Technology</i> , 2013, 104, 214-220.	3.9	47
355	Complexation of copper(II) with chitosan nanogels: Toward control of microbial growth. <i>Carbohydrate Polymers</i> , 2013, 92, 1348-1356.	5.1	193
356	Insights into the coordination sphere of copper ion in polymers containing carboxylic acid and azole groups. <i>Polymer</i> , 2013, 54, 5214-5221.	1.8	16
357	Synthesis and characterization of dithiocarbamate chelating resin and its adsorption performance toward Hg(II), Cd(II) and Pb(II) by batch and fixed-bed column methods. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 208-217.	3.3	39
358	Microfluidic production of porous chitosan/silica hybrid microspheres and its Cu(II) adsorption performance. <i>Chemical Engineering Journal</i> , 2013, 229, 82-89.	6.6	78
359	Characterization and bisphenol A adsorption capacity of β -cyclodextrin-carboxymethylcellulose-based hydrogels. <i>Carbohydrate Polymers</i> , 2013, 98, 784-792.	5.1	134
360	A binary and ternary adsorption study of wastewater Cd(II), Ni(II) and Co(II) by γ -Fe ₂ O ₃ nanotubes. <i>Separation and Purification Technology</i> , 2013, 115, 172-179.	3.9	75
361	Wool-derived keratin nanofiber membranes for dynamic adsorption of heavy-metal ions from aqueous solutions. <i>Textile Research Journal</i> , 2013, 83, 1574-1586.	1.1	56
362	Preparation of lead-ion imprinted crosslinked electro-spun chitosan nanofiber mats and application in lead ions removal from aqueous solutions. <i>European Polymer Journal</i> , 2013, 49, 1487-1494.	2.6	66
363	Chromium(VI) removal by maghemite nanoparticles. <i>Chemical Engineering Journal</i> , 2013, 222, 527-533.	6.6	205

#	ARTICLE	IF	CITATIONS
364	Response surface modelling of Cr6+ adsorption from aqueous solution by neem bark powder: Boxâ€œBehnken experimental approach. Environmental Science and Pollution Research, 2013, 20, 1327-1343.	2.7	35
365	An improved synthesis of chitosan bead for Pb(II) adsorption. Chemical Engineering Journal, 2013, 226, 271-278.	6.6	73
366	Synergistically improved adsorption of anionic surfactant and crystal violet on chitosan hydrogel beads. Chemical Engineering Journal, 2013, 217, 426-434.	6.6	120
367	An improved method for preparing glutaraldehyde cross-linked chitosanâ€œpoly(vinyl alcohol) microparticles. Polymer Bulletin, 2013, 70, 549-561.	1.7	67
368	Adsorption of pollutants from biodiesel wastewater using chitosan flakes. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 963-971.	2.7	43
369	Molecularly imprinted poly(hydroxyethyl methacrylate) based cryogel for albumin depletion from human serum. Colloids and Surfaces B: Biointerfaces, 2013, 109, 259-265.	2.5	44
370	RAFT-mediated synthesis of cationic poly[(ar-vinylbenzyl)trimethylammonium chloride] brushes for quantitative DNA immobilization. Materials Science and Engineering C, 2013, 33, 111-120.	3.8	20
371	Adsorption of copper (II) and nickel (II) ions from metal solution using graft copolymer of cellulose extracted from the sisal fiber with acrylonitrile monomer. , 2013, , .		1
372	New crosslinkers for electrospun chitosan fibre mats. Part II: mechanical properties. Journal of the Royal Society Interface, 2013, 10, 20120946.	1.5	32
373	Highly porous catalytic materials with Pd and ionic liquid supported on chitosan. Journal of Applied Polymer Science, 2013, 128, 3122-3130.	1.3	18
374	Adsorption Kinetics of Pb²⁺ Ions Using Chitosan Nanoparticles. Applied Mechanics and Materials, 2013, 367, 45-49.	0.2	0
375	A facile in situ morphological characterization of smart genipin-crosslinked chitosanâ€œpoly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	17
376	Post-Processing of Chitosan Based Nanofibers Prepared by Electrospinning. Advanced Materials Research, 0, 873, 652-662.	0.3	3
377	Adsorption of Cu²⁺ from Aqueous Solution by Crosslinked Carboxymethyl Tamarind. Advanced Materials Research, 0, 781-784, 2100-2105.	0.3	1
378	Adsorption of Ni(II) from Aqueous Solution by Polyaminated Crosslinked Ni(II)-Imprinted Chitosan Derivative Beads. Environmental Engineering Science, 2013, 30, 646-652.	0.8	6
379	Efficiency of Superparamagnetic Nano Iron Oxide Loaded Poly(Acrylamide-co-Maleic acid) Hydrogel in Uptaking Cu²⁺ Ions from Water. Journal of Dispersion Science and Technology, 2013, 34, 1437-1446.	1.3	12
380	Utilization of Chitosan-Based Sensor Thin Films for the Detection of Lead Ion by Surface Plasmon Resonance Optical Sensor. IEEE Sensors Journal, 2013, 13, 1413-1418.	2.4	45
381	Adsorption characteristics of copper(II) onto non-crosslinked and cross-linked chitosan immobilized on sand. Desalination and Water Treatment, 2013, 51, 5574-5582.	1.0	15

#	ARTICLE	IF	CITATIONS
382	Removal of zinc and copper ions from water by chitosan coated permutite granules. , 2013, , .		1
383	Kinetic Study of Mercury(II) Transport through a Bulk Liquid Membrane Using Cyanex 301 as Carrier. Journal of the Chinese Chemical Society, 2013, 60, 559-566.	0.8	2
384	- Marine Polysaccharide (Chitosan) and Its Derivatives as Water Purifier. , 2013, , 770-787.		2
385	Microwave preparation and copper ions adsorption properties of crosslinked chitosan/ZSM molecular sieve composites. Journal of Applied Polymer Science, 2013, 129, 86-93.	1.3	11
386	Platinum uptake from chloride solutions using biosorbents. Materials Research, 2013, 16, 528-538.	0.6	18
387	Rapid Purification of Glycerol by-product from Biodiesel Production through Combined Process of Microwave Assisted Acidification and Adsorption via Chitosan Immobilized with Yeast. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 593-602.	0.1	30
388	Studies on the Properties of Chitosan-Starch Beads and their Application as Drug Release Materials. Bayero Journal of Pure and Applied Sciences, 2014, 6, 118.	0.1	8
389	Polymer-Grafted a Nano-TiO ₂ as an Adsorbent for the Removal of Lead (II) and Mercury (II) Ions from Aqueous Solutions: Kinetic and Equilibrium Studies. Journal of Environmental Analytical Chemistry, 2014, 01, .	0.3	0
390	Contaminants in Industrial Lean Amine Solvent and their Removal using Biopolymers: A New Aspect. , 2014, 04, .		5
391	Study on Adsorption of Cu(II) on Chitosan Nanofiber Membranes. International Journal of Nanoscience, 2014, 13, 1460009.	0.4	2
392	Effective Photodegradation of Methyl Orange Using Fluidized Bed Reactor Loaded with Cross-Linked Chitosan Embedded Nano-CdS Photocatalyst. International Journal of Chemical Engineering, 2014, 1-16.	1.4	22
394	Study on adsorption, regeneration, and reuse of crosslinked chitosan graft copolymers for Cu(II) ion removal from aqueous solutions. Desalination and Water Treatment, 2014, 52, 3246-3255.	1.0	17
395	Chemically Modified Natural Polysaccharides to Form Gels. , 2014, , 1-25.		3
396	Industrial Applications of Marine Carbohydrates. Advances in Food and Nutrition Research, 2014, 73, 145-181.	1.5	16
397	Processing Technique and Property Evaluations of Chitosan Dressings. Advanced Materials Research, 2014, 910, 178-181.	0.3	1
398	Sorption of boron(III) ions by N,O-(2,3-dihydroxy)propylchitosan. Russian Chemical Bulletin, 2014, 63, 1511-1514.	0.4	5
399	Effective removal of Cu ²⁺ ions from aqueous solution in fixed-bed micro column using nanomagnetite-loaded poly (acrylamide-co-maleic acid) hydrogel as adsorbent. Desalination and Water Treatment, 2014, , 1-14.	1.0	6
400	Thermodynamic behavior of adsorption of copper (II) ion on Wuyi Rock Tea Dreg. Desalination and Water Treatment, 2014, 52, 7196-7204.	1.0	2

#	ARTICLE	IF	CITATIONS
401	Effect of Silicon Oxide Size and Reducing Environment on the Photocatalytic Capability of Poly(Vinyl Tj ETQq0 0 0 0 BT /Overlock 10 Tf	0.2	0
402	Synthesis of Poly(vinyl alcohol)/Chitosan/Silicon Oxide Beads Untreated and Glutaraldehyde Treated. <i>Advanced Materials Research</i> , 2014, 893, 27-30.	0.3	0
403	Design and evaluation of chitosan/hydroxyapatite composite nanofiber membrane for the removal of heavy metal ions from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 518-526.	2.7	173
404	Lead removal onto cross-linked low molecular weight chitosan pyruvic acid derivatives. <i>Carbohydrate Polymers</i> , 2014, 110, 518-527.	5.1	36
405	Preparation and characterization of an IPN type chelating resin containing amino and carboxyl groups for removal of Cu(II) from aqueous solutions. <i>Reactive and Functional Polymers</i> , 2014, 75, 63-74.	2.0	68
406	Enhancing adsorption of Pb (II) and Cu (II) ions onto chitosan using tri-sodium citrate and epichlorohydrin as cross-linkers. <i>Desalination and Water Treatment</i> , 2014, 52, 6430-6439.	1.0	5
407	Potentiality of uranium biosorption from nitric acid solutions using shrimp shells. <i>Journal of Environmental Radioactivity</i> , 2014, 134, 120-127.	0.9	43
408	Recent Progress in Heavy Metal Extraction by Supercritical CO ₂ Fluids. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 1866-1877.	1.8	80
409	Preparation of a new chitosan-based material and its application for mercury sorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 446, 224-232.	2.3	48
410	Surface modification with EDTA molecule: A feasible method to enhance the adsorption property of ZnO. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 726-731.	1.9	10
411	Adsorption of chromate and cupric ions onto chitosan-coated cotton gauze. <i>Carbohydrate Polymers</i> , 2014, 110, 367-373.	5.1	63
412	Comparative studies on physico-chemical characterization of yeast cells entrapped with alginate and hybrid beads. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 111-119.	1.3	5
413	Treatment of biodiesel wastewater by adsorption with commercial chitosan flakes: Parameter optimization and process kinetics. <i>Journal of Environmental Management</i> , 2014, 133, 284-292.	3.8	48
414	Adsorption and chromatographic separation of rare earths with EDTA- and DTPA-functionalized chitosan biopolymers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1530-1540.	5.2	166
415	Chitosan-based biosorbents: Modification and application for biosorption of heavy metals and radionuclides. <i>Bioresource Technology</i> , 2014, 160, 129-141.	4.8	482
416	Synergistic adsorption of heavy metal ions and organic pollutants by supramolecular polysaccharide composite materials from cellulose, chitosan and crown ether. <i>Journal of Hazardous Materials</i> , 2014, 264, 449-459.	6.5	74
417	Preparation and characterization of polymeric ligand exchanger based on chitosan hydrogel for selective removal of phosphate. <i>Reactive and Functional Polymers</i> , 2014, 85, 45-53.	2.0	22
418	Evaluation of Pomegranate (<i>Punica Granatum</i> L.) Pulp for the Removal of Copper(II) Ions: Kinetic, Equilibrium, and Desorption Studies. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 482-493.	1.3	7

#	ARTICLE	IF	CITATIONS
419	Chitosan scaffolds for recyclable adsorption of Cu(II) ions. RSC Advances, 2014, 4, 3864-3872.	1.7	44
420	Epichlorohydrin crosslinked chitosan-clay composite beads for on-line preconcentration and determination of chromium(III) by flow injection flame atomic absorption spectrometry. Analytical Methods, 2014, 6, 5298.	1.3	10
421	Removal of cadmium (II) ions from aqueous solution using chitosan/starch polymer blend. Composite Interfaces, 2014, 21, 95-109.	1.3	17
422	Synthesis of chitosan-gelatin molecularly imprinted membranes for extraction of l-tyrosine. RSC Advances, 2014, 4, 42478-42485.	1.7	14
423	Effect of pH adjustment, solid-liquid separation and chitosan adsorption on pollutants removal from pot ale wastewaters. Journal of Environmental Chemical Engineering, 2014, 2, 1929-1936.	3.3	16
424	Synthesis of chitosan-PEO hydrogels via mesylation and regioselective Cu(I)-catalyzed cycloaddition. Carbohydrate Polymers, 2014, 112, 736-745.	5.1	26
425	Environmentally benign magnetic chitosan/Fe ₃ O ₄ composites as reductant and stabilizer for anchoring Au NPs and their catalytic reduction of 4-nitrophenol. Journal of Materials Chemistry A, 2014, 2, 13471-13478.	5.2	87
426	Effective Phosphate Removal from Synthesized Wastewater Using Copper-Chitosan Bead: Batch and Fixed-Bed Column Studies. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	18
427	Adsorption behavior of cross-linked chitosan modified by graphene oxide for Cu(II) removal. Journal of Central South University, 2014, 21, 2826-2831.	1.2	25
428	Radiation grafting of ionically crosslinked alginate/chitosan beads with acrylic acid for lead sorption. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 529-535.	0.7	25
429	A study of wet and dry strength properties of unaged and hydrothermally aged paper sheets reinforced with biopolymer composites. Journal of Applied Polymer Science, 2014, 131, .	1.3	7
430	A review of potential remediation techniques for uranium(VI) ion retrieval from contaminated aqueous environment. Journal of Environmental Chemical Engineering, 2014, 2, 1621-1634.	3.3	160
431	Nanoporous Magnetic Cellulose-Chitosan Composite Microspheres: Preparation, Characterization, and Application for Cu(II) Adsorption. Industrial & Engineering Chemistry Research, 2014, 53, 2106-2113.	1.8	147
432	Recovery of Th(IV) from acid leaching solutions of bastnaesite at low concentrations. Hydrometallurgy, 2014, 147-148, 157-163.	1.8	8
433	Zr(IV) loaded cross-linked chitosan beads with enhanced surface area for the removal of nitrate and phosphate. International Journal of Biological Macromolecules, 2014, 69, 336-343.	3.6	83
434	Fabrication of interfacial functionalized porous polymer monolith and its adsorption properties of copper ions. Journal of Hazardous Materials, 2014, 276, 225-231.	6.5	43
435	Chitosan-sodium lauryl ether sulfate particles and their use for adsorption of Cu(II) ions. Journal of Applied Polymer Science, 2014, 131, .	1.3	4
437	Study of Metal Ions Removal from Aqueous Solution by Using Radiation Crosslinked Chitosan-Poly(Acrylamide)-Based Adsorbent. Macromolecular Symposia, 2015, 353, 168-177.	0.4	14

#	ARTICLE	IF	CITATIONS
438	Adsorption of Chromium(VI) from Aqueous Solution Using a Novel Chitosan Biguanidine. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 1106-1114.	1.3	24
439	Study of Cu(II) removal by <i>Cystoseira crinitophylla</i> biomass in batch and continuous flow biosorption. <i>Chemical Engineering Journal</i> , 2015, 277, 334-340.	6.6	59
440	Performance improvements in structural characteristics of chitosan-based nanofibrous composite membrane for using in liquid filtration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 56, 77-83.	2.7	13
441	Biopolymer-Based Thin Film for Sensor Application. <i>Advanced Materials Research</i> , 2015, 1107, 631-636.	0.3	0
442	Removal of dibutyl phthalate (DBP) from aqueous solution by adsorption using vanillin-modified chitosan beads (CTSV). <i>Desalination and Water Treatment</i> , 2015, 56, 452-462.	1.0	10
443	Effect of the degree of cross-linking of N-2-sulfoethylchitosan on the sorption selectivity of copper(II) and silver(I). <i>Russian Journal of Applied Chemistry</i> , 2015, 88, 1434-1439.	0.1	5
444	Adsorption of chromium from aqueous solutions using crosslinked chitosan-diethylenetriaminepentaacetic acid. <i>International Journal of Biological Macromolecules</i> , 2015, 74, 458-466.	3.6	64
445	Electrochemical DNA Biosensor Based on Microspheres of Cuprous Oxide and Nano-chitosan for Hg(II) Detection. <i>Electrochimica Acta</i> , 2015, 160, 64-73.	2.6	53
446	Removal of cadmium from aqueous solution using low molecular weight chitosan derivative. <i>Carbohydrate Polymers</i> , 2015, 122, 255-264.	5.1	43
447	Synthesis of ethylenediamine modified chitosan microspheres for removal of divalent and hexavalent ions. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 179-185.	3.6	42
448	Synthesis and in vitro antifungal efficacy of Cu-chitosan nanoparticles against pathogenic fungi of tomato. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 346-353.	3.6	311
449	Marine Biomaterials as Antifouling Agent. , 2015, , 1181-1192.		0
450	Dy(III) recovery from dilute solutions using magnetic-chitosan nano-based particles grafted with amino acids. <i>Journal of Materials Science</i> , 2015, 50, 2832-2848.	1.7	46
451	Synthesis of dimethyl carbonate (DMC) based biodegradable nitrogen mustard ionic carbonate (NMIC) nanoparticles. <i>RSC Advances</i> , 2015, 5, 10560-10566.	1.7	3
452	Removal of Patulin from Aqueous Solution Using Cross-Linked Chitosan Beads. <i>Journal of Food Safety</i> , 2015, 35, 248-256.	1.1	19
453	Proline-functionalized chitosan-palladium complex, a novel nanocatalyst for C-C bond formation in water. <i>RSC Advances</i> , 2015, 5, 24742-24748.	1.7	45
454	Studies of heavy metal ion adsorption on Chitosan/Sulfhydryl-functionalized graphene oxide composites. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 389-397.	5.0	233
455	Effects of algicide on the growth of <i>Microcystis flos-aquae</i> and adsorption capacity to heavy metals. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2339-2348.	1.8	9

#	ARTICLE	IF	CITATIONS
456	High Resolution X-Ray Photoelectron Spectroscopy Study of the Interaction of Copper Ion with Chitosan Thin Film. <i>Advanced Materials Research</i> , 2015, 1087, 241-245.	0.3	0
457	Hydrogel nanocomposite based on chitosan-g-acrylic acid and modified nanosilica with high adsorption capacity for heavy metal ion removal. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 725-734.	1.3	34
458	Preparation and characterization of carboxyl-functionalized chitosan magnetic microspheres and submicrospheres for Pb ²⁺ removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 353-364.	2.3	44
459	Microwave preparation of triethylenetetramine modified graphene oxide/chitosan composite for adsorption of Cr(VI). <i>Carbohydrate Polymers</i> , 2015, 131, 280-287.	5.1	168
460	Diethylenetriamine-functionalized chitosan magnetic nano-based particles for the sorption of rare earth metal ions [Nd(III), Dy(III) and Yb(III)]. <i>Cellulose</i> , 2015, 22, 2589-2605.	2.4	76
461	Manganese oxide incorporated ferric oxide nanocomposites (MIFN): A novel adsorbent for effective removal of Cr(VI) from contaminated water. <i>Journal of Water Process Engineering</i> , 2015, 7, 176-186.	2.6	15
462	Synthesis of platy potassium magnesium titanate and its application in removal of copper ions from aqueous solution. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 981-990.	1.7	5
463	Cysteine-Functionalized Chitosan Magnetic Nano-Based Particles for the Recovery of Light and Heavy Rare Earth Metals: Uptake Kinetics and Sorption Isotherms. <i>Nanomaterials</i> , 2015, 5, 154-179.	1.9	111
464	Removal of Cd(II) from aqueous solution using cross-linked chitosan-zeolite composite. <i>Desalination and Water Treatment</i> , 2015, 54, 2546-2556.	1.0	19
465	Biosorption of palladium(II) from aqueous solution by grafting chitosan on persimmon tannin extract. <i>International Journal of Biological Macromolecules</i> , 2015, 77, 336-343.	3.6	57
466	Zeolite X/chitosan hybrid microspheres and their adsorption properties for Cu(II) ions in aqueous solutions. <i>Journal of Porous Materials</i> , 2015, 22, 1255-1263.	1.3	17
467	A new porous magnetic chitosan modified by melamine for fast and efficient adsorption of Cu(II) ions. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 838-846.	3.6	51
468	Selective adsorption of silver(I) ions over copper(II) ions on a sulfoethyl derivative of chitosan. <i>Journal of Hazardous Materials</i> , 2015, 299, 696-701.	6.5	49
469	Dissolution and utilization of chitosan in a carboxymethyl-methylimidazolium hydrochloride ionic salt aqueous solution. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	6
470	Chemically Modified Natural Polysaccharides to Form Gels. , 2015, , 1555-1582.		5
471	Effect of surfactant concentration on textural, morphological and magnetic properties of CoFe ₂ O ₄ nanoparticles and evaluation of their adsorptive capacity for Pb(II) ions. <i>Ceramics International</i> , 2015, 41, 13553-13560.	2.3	40
472	Removal of erythrosine dye from aqueous solutions using magnetic chitosan with erythrosine as imprinted molecules. <i>Desalination and Water Treatment</i> , 0, , 1-9.	1.0	3
473	Amino Acid Functionalized Chitosan Magnetic Nanobased Particles for Uranyl Sorption. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12374-12385.	1.8	69

#	ARTICLE	IF	CITATIONS
474	Adsorption of Cu ²⁺ ions using chitosan-modified magnetic Mn ferrite nanoparticles synthesized by microwave-assisted hydrothermal method. <i>Applied Surface Science</i> , 2015, 324, 745-750.	3.1	100
475	Adsorption Efficiency of Cr(VI) by Ethylene-1,2- Diamine-6-Deoxychitosan. <i>Separation Science and Technology</i> , 2015, 50, 1158-1165.	1.3	7
476	Removal of Lead (II) Ions from Aqueous Solution Using Eggplant Peels Activated Charcoal. <i>Separation Science and Technology</i> , 2015, 50, 91-98.	1.3	7
477	Comparing the adsorption behaviors of Cd, Cu and Pb from water onto Fe-Mn binary oxide, MnO ₂ and FeOOH. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 385-393.	3.3	43
478	Uranium extraction using magnetic nano-based particles of diethylenetriamine-functionalized chitosan: Equilibrium and kinetic studies. <i>Chemical Engineering Journal</i> , 2015, 262, 198-209.	6.6	111
479	Adsorption of Mn (II) ion on polyvinyl alcohol/chitosan dry blending from aqueous solution. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2015, 3, 1-9.	1.7	66
480	Development of surface plasmon resonance sensor for determining zinc ion using novel active nanolayers as probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 48-52.	2.0	41
481	Synthesis and self-assembly of Chitosan-g-Polystyrene copolymer: A new route for the preparation of heavy metal nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 110-115.	5.0	11
482	Carbonaceous sulfur-containing chitosan-Fe(III): A novel adsorbent for efficient removal of copper (II) from water. <i>Chemical Engineering Journal</i> , 2015, 259, 372-380.	6.6	82
483	Adsorption of copper(II) ions by a chitosan-oxalate complex biosorbent. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 136-144.	3.6	81
484	Heavy and toxic metal uptake by mesoporous hypercrosslinked SMA beads: Isotherms and kinetics. <i>Journal of Saudi Chemical Society</i> , 2016, 20, S579-S590.	2.4	47
485	Preparation and evaluation of chitosan-coated eggshell particles as copper(II) biosorbent. <i>Desalination and Water Treatment</i> , 2016, 57, 1693-1704.	1.0	14
486	Removal of Mercury(II) from Aqueous Solutions by Adsorption on Poly(1-amino-5-chloroanthraquinone) Nanofibrils: Equilibrium, Kinetics, and Mechanism Studies. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-11.	1.5	28
487	Preparation and Characterization of Chitosan-Humic Acid-Zerovalent Iron Nanocomposite for Nitrate Reduction in Water. <i>Hindawi Journal of Chemistry</i> , 2016, 2016, 1-8.	1.6	6
488	Applications of chitosan as a functional food. , 2016, , 425-464.		8
489	Sorption of Cu(II) Ions on Chitosan-Zeolite X Composites: Impact of Gelling and Drying Conditions. <i>Molecules</i> , 2016, 21, 109.	1.7	25
490	Chitosan and Its Derivatives as Highly Efficient Polymer Ligands. <i>Molecules</i> , 2016, 21, 330.	1.7	101
491	Cross-linking of succinate-grafted chitosan and its effect on the capability to adsorb Pb(II) ion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 107, 012014.	0.3	1

#	ARTICLE	IF	CITATIONS
492	Design, Characterization, and Environmental Applications of Hydrogels with Metal Ion Coordination Properties. , 0, , .		2
493	Removal of copper ions from aqueous solution by the sodium salt of the maleic acid-allylpropionate-styrene terpolymer. <i>Water Science and Technology</i> , 2016, 74, 1484-1491.	1.2	0
494	Novel amino-functionalized Fe ₃ O ₄ /carboxylic multi-walled carbon nanotubes: One-pot synthesis, characterization and removal for Cu(II). <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 1894-1902.	0.1	17
495	Optimization of Sorption Parameters for Color Removal of Textile Dye by Cross-linked Chitosan Beads Using Box-Behnken Design. <i>MATEC Web of Conferences</i> , 2016, 47, 05009.	0.1	2
496	Sorption of copper onto low molecular weight chitosan derivative from aqueous solution. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 154-163.	2.9	15
497	Characterization and adsorption performance of chitosan/diatomite membranes for Orange G removal. <i>E-Polymers</i> , 2016, 16, 99-109.	1.3	10
498	Evaluation of different fractions of the organic matter of peat on tetracycline retention in environmental conditions: in vitro studies. <i>Journal of Soils and Sediments</i> , 2016, 16, 1764-1775.	1.5	16
499	Removal of Cu(II) ions from aqueous water by l -arginine modifying magnetic chitosan. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 499, 141-149.	2.3	34
500	Preparation and adsorption properties of nano magnetite chitosan films for heavy metal ions from aqueous solution. <i>Materials Research Bulletin</i> , 2016, 80, 344-350.	2.7	68
501	Electrospun nanofibers of poly(NPEMA-co.-CMPMA): Used as Heavy metal ion remover and water sanitizer. <i>Fibers and Polymers</i> , 2016, 17, 358-370.	1.1	23
502	Kinetic, thermodynamic and equilibrium studies on the removal of copper ions from aqueous solutions by natural and modified clinoptilolites. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1629-1639.	1.2	8
503	Superabsorbent hydrogels via graft polymerization of acrylic acid from chitosan-cellulose hybrid and their potential in controlled release of soil nutrients. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 144-151.	3.6	191
504	Studies on adsorption behavior of Cu (II) and Cd (II) onto aminothiophene derivatives of Styrene Maleic anhydride copolymer. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 325-335.	2.7	12
505	Stabilized chitosan/Fe ₀ -nanoparticle beads to remove heavy metals from polluted sediments. <i>Water Science and Technology</i> , 2016, 73, 1090-1097.	1.2	2
506	Electrospun chitosan/bakerâ€™s yeast nanofibre adsorbent: preparation, characterization and application in heavy metal adsorption. <i>Bulletin of Materials Science</i> , 2016, 39, 1091-1100.	0.8	21
507	Population balance model development and experimental validation for the heteroaggregation of oppositely charged micro- and nano-particles. <i>Chemical Engineering Research and Design</i> , 2016, 113, 96-111.	2.7	10
508	Fast removal of copper ions from aqueous solution using an ecoâ€™friendly fibrous adsorbent. <i>Chemosphere</i> , 2016, 161, 501-509.	4.2	34
509	Rhodamineâ€™immobilised Electrospun Chitosan Nanofibrous Material as a Fluorescence Turnâ€™On Hg ²⁺ Sensor. <i>ChemistrySelect</i> , 2016, 1, 896-900.	0.7	12

#	ARTICLE	IF	CITATIONS
510	Fabrication of a novel magnetic nanocomposite to remove Cu (II) ions from contaminated water. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 1501-1503.	0.8	0
511	Superb adsorption capacity and mechanism of poly(1-amino-5-chloroanthraquinone) nanofibrils for lead and trivalent chromium ions. Reactive and Functional Polymers, 2016, 106, 76-85.	2.0	19
512	From Food Additive to High-Performance Heavy Metal Adsorbent: A Versatile and Well-Tuned Design. ACS Sustainable Chemistry and Engineering, 2016, 4, 4831-4841.	3.2	11
513	Fabrication of chitosan-g-poly(acrylamide)/Cu nanocomposite for the removal of Pb(II) from aqueous solutions. Journal of Molecular Liquids, 2016, 224, 1319-1325.	2.3	26
514	Cross-linked chitosan beads for phosphate removal from aqueous solution. Journal of Applied Polymer Science, 2016, 133, .	1.3	55
515	Removal of cesium from radioactive wastewater using magnetic chitosan beads cross-linked with glutaraldehyde. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	1.3	54
516	Phosphorylated nanocellulose papers for copper adsorption from aqueous solutions. International Journal of Environmental Science and Technology, 2016, 13, 1861-1872.	1.8	104
517	Defluoridation of water by Tea - bag model using La ³⁺ modified synthetic resin@chitosan biocomposite. International Journal of Biological Macromolecules, 2016, 91, 1002-1009.	3.6	26
518	Assessment of Pb ²⁺ ions removal efficiency of nanomagnetite-loaded poly (acrylamide-co-acrylic acid) hydrogel in fixed-bed microcolumn from aqueous solution. Desalination and Water Treatment, 2016, 57, 3642-3653.	1.0	3
519	Pectin/poly(acrylamide-co-acrylamidoglycolic acid) pH sensitive semi-IPN hydrogels: selective removal of Cu ²⁺ and Ni ²⁺ , modeling, and kinetic studies. Desalination and Water Treatment, 2016, 57, 6503-6514.	1.0	28
520	Study of Protein Adsorption/Adhesion Behaviors on Solid Beads Surface with Different Surface Properties. Journal of Dispersion Science and Technology, 2016, 37, 1104-1114.	1.3	2
521	Biosynthesis of iron nanoparticles and their application in removing phosphorus from aqueous solutions. Chemistry and Ecology, 2016, 32, 286-300.	0.6	42
522	Adsorption behaviour of copper onto a novel modified chitosan material: thermodynamic study. Desalination and Water Treatment, 2016, 57, 25080-25088.	1.0	1
523	Crosslinked chitosan nanofiber mats fabricated by one-step electrospinning and ion-imprinting methods for metal ions adsorption. Science China Chemistry, 2016, 59, 95-105.	4.2	35
524	Removal of metal ions in fixed bed from multicomponent solutions using N-(2-sulfoethyl) chitosan-based sorbents. Separation Science and Technology, 2016, , 1-9.	1.3	4
525	The journey traversed in the remediation of hexavalent chromium and the road ahead toward greener alternatives—A perspective. Coordination Chemistry Reviews, 2016, 317, 157-166.	9.5	82
526	Preparation, characterization and toxicological investigation of copper loaded chitosan nanoparticles in human embryonic kidney HEK-293 cells. Materials Science and Engineering C, 2016, 61, 227-234.	3.8	25
527	Preparation of an amino functionalized Fe ₃ O ₄ /Gd ₂ O ₃ network composite and application in electrochemical detection of Cu ²⁺ . Analytical Methods, 2016, 8, 303-310.	1.3	15

#	ARTICLE	IF	CITATIONS
528	Enhanced Removal of Cu(II) Ions from Aqueous Solution by Poorly Crystalline Hydroxyapatite Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 956-968.	1.3	26
529	Removal of toxic Cr(VI) from water by a novel magnetic chitosan/glyoxal/PVA hydrogel film. <i>Desalination and Water Treatment</i> , 2016, 57, 14266-14279.	1.0	22
530	A novel, efficient, and recyclable biocatalyst for Michael addition reactions and its iron(III) complex as promoter for alkyl oxidation reactions. <i>Catalysis Science and Technology</i> , 2016, 6, 1410-1416.	2.1	24
531	Chitosan/PVA-coated magnetic nanoparticles for Cu(II) ions adsorption. <i>Desalination and Water Treatment</i> , 2016, 57, 18463-18474.	1.0	8
532	Hierarchical macro and mesoporous foams synthesized by HIEPs template and interface grafted route for simultaneous removal of δ -cyhalothrin and copper ions. <i>Chemical Engineering Journal</i> , 2016, 284, 1361-1372.	6.6	56
533	Pb(II)-imprinted chitosan beads to enhance the adsorption property and selectivity: characterization, kinetics, and thermodynamics. <i>Desalination and Water Treatment</i> , 2016, 57, 15073-15082.	1.0	10
534	Comparative study of chitin and chitosan beads for the adsorption of hazardous anionic azo dye Congo Red from wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 9247-9262.	1.0	35
535	Novel Magnetic Chitosan Hydrogel Film, Cross-Linked with Glyoxal as an Efficient Adsorbent for Removal of Toxic Cr(VI) from Water. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 115-124.	1.7	35
536	Preparation of poly(chitosan-acrylamide) flocculant using gamma radiation for adsorption of Cu(II) and Ni(II) ions. <i>Radiation Physics and Chemistry</i> , 2017, 134, 33-39.	1.4	44
537	Magnetic-epichlorohydrin crosslinked chitosan Schiff's base (m-ECCSB) as a novel adsorbent for the removal of Cu(II) ions from aqueous environment. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 85-98.	3.6	57
538	Adsorption of aluminum and lead from wastewater by chitosan-tannic acid modified biopolymers: Isotherms, kinetics, thermodynamics and process mechanism. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 465-476.	3.6	126
539	Adsorption of copper on glass beads coated with chitosan: Stirred batch and fixed bed analysis. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 1164-1170.	0.9	6
540	Investigation of Chromium Removal Efficacy from Tannery Effluent by Synthesized Chitosan from Crab Shell. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1569-1577.	1.7	10
541	Chitosan hydrogels for targeted dye and protein adsorption. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	48
542	Adsorption of heavy-metal ions from aqueous solution onto chitosan-modified polyethylene terephthalate (PET). <i>Research on Chemical Intermediates</i> , 2017, 43, 4213-4225.	1.3	29
543	Amino acid-modified chitosan nanoparticles for Cu ²⁺ chelation to suppress CuO nanoparticle cytotoxicity. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3521-3530.	2.9	14
544	Kinetic and Mass Transfer Model for Separation of Protein Using Ceramic Monoliths as a Stationary Phase. <i>Chemical Engineering Communications</i> , 2017, 204, 750-760.	1.5	1
545	Cellulose/chitosan composites prepared in ethylene diamine/potassium thiocyanate for adsorption of heavy metal ions. <i>Cellulose</i> , 2017, 24, 2545-2557.	2.4	36

#	ARTICLE	IF	CITATIONS
546	Surface modification of graphene oxide by pyridine derivatives for copper(II) adsorption from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 53, 325-332.	2.9	25
547	Sorption isotherms of metal ions onto an N-(2-sulfoethyl)chitosan-based material from single- and multi-component solutions. <i>Separation Science and Technology</i> , 2017, 52, 2385-2394.	1.3	1
548	Thiocarbohydrazide Cross-Linked Oxidized Chitosan and Poly(vinyl alcohol): A Green Framework as Efficient Cu(II), Pb(II), and Hg(II) Adsorbent. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2044-2055.	1.0	47
549	Enhancing the antimony sorption properties of nano titania-chitosan beads using epichlorohydrin as the crosslinker. <i>Journal of Hazardous Materials</i> , 2017, 334, 160-167.	6.5	41
550	Effect of ionic and covalent crosslinking agents on properties of chitosan beads and sorption effectiveness of Reactive Black 5 dye. <i>Reactive and Functional Polymers</i> , 2017, 114, 58-74.	2.0	134
551	Cross-linked chitosan thin film coated onto glass plate as an effective adsorbent for adsorption of reactive orange 16. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 743-749.	3.6	59
552	Fabrication of reduced glutathione functionalized iron oxide nanoparticles for magnetic removal of Pb(II) from wastewater. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 71, 165-173.	2.7	61
553	Green and Smart: Hydrogels To Facilitate Independent Practical Learning. <i>Journal of Chemical Education</i> , 2017, 94, 1766-1771.	1.1	22
554	Synthesis, characterization and application of a novel nanometer-sized chelating resin for removal of Cu(II), Co(II) and Ni(II) ions from aqueous solutions. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	13
556	Adsorption of Reactive Dye (RB 222) in Solution onto Chitosan-Rice Husk Ash Composite Beads Cross-Linked with Glutaraldehyde. <i>Key Engineering Materials</i> , 0, 751, 719-725.	0.4	1
557	Development of novel cross-linked chitosan for the removal of anionic Congo red dye. <i>Journal of Molecular Liquids</i> , 2017, 244, 211-218.	2.3	110
558	Versatile nature of hetero-chitosan based derivatives as biodegradable adsorbent for heavy metal ions; a review. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 190-203.	3.6	107
560	Removal of Cu(II) Ions from Aqueous Solution by Magnetic Chitosan-Tripolyphosphate Modified Silica-Coated Adsorbent: Characterization and Mechanisms. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	31
561	Chitosan -Based Biosorbents: Modifications and Application for Sequestration of PPCPs and Metals for Water Remediation. , 2017, , 1-25.		2
563	Sorption of Pb(II), Cu(II), Fe(II) and Cr(VI) metal ions onto cross-linked graft copolymers of chitosan with binary vinyl monomer mixtures. <i>Reactive and Functional Polymers</i> , 2017, 121, 32-44.	2.0	21
564	Xanthate-modified magnetic chitosan/poly (vinyl alcohol) adsorbent: Preparation, characterization, and performance of Pb(II) removal from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 485-492.	2.7	43
565	Interaction Study Between Humic and Phosphate: Possible Environmental Remediation for Domestic Wastewater. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	5
566	Nano-MgO reinforced chitosan nanocomposites for high performance packaging applications with improved mechanical, thermal and barrier properties. <i>Carbohydrate Polymers</i> , 2017, 157, 739-747.	5.1	155

#	ARTICLE	IF	CITATIONS
567	Smart composite materials based on chitosan microspheres embedded in thermosensitive hydrogel for controlled delivery of drugs. <i>Carbohydrate Polymers</i> , 2017, 157, 493-502.	5.1	68
568	Formation of complexes between functionalized chitosan membranes and copper: A study by angle resolved XPS. <i>Materials Chemistry and Physics</i> , 2017, 185, 152-161.	2.0	59
569	One step effective removal of Congo Red in chitosan nanoparticles by encapsulation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 132-138.	2.0	46
570	Phosphate uptake studies of cross-linked chitosan bead materials. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 201-212.	5.0	58
571	Copper (II) adsorption capacity of a novel hydroxytyrosol-based polyacrylate. <i>Polymer Bulletin</i> , 2017, 74, 1175-1191.	1.7	5
572	Electrospun and functionalized PVDF/PAN composite for the removal of trace metals in contaminated water. <i>Physics and Chemistry of the Earth</i> , 2017, 100, 225-235.	1.2	13
573	Cross-linkable chitosan-based hydrogel microbeads with pH-responsive adsorption properties for organic dyes prepared using size-tunable microchannel emulsification technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 514, 69-78.	2.3	41
574	Removal of various pollutants from water and wastewater by modified chitosan adsorbents. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 2331-2386.	6.6	272
575	Experimental and Theoretical Studies on the Adsorption and Desorption Mechanisms of Chromate Ions on Cross-Linked Chitosan. <i>Journal of Functional Biomaterials</i> , 2017, 8, 51.	1.8	24
576	Preparation and Chemical/Microstructural Characterization of Azacrown Ether-Crosslinked Chitosan Films. <i>Materials</i> , 2017, 10, 400.	1.3	21
577	Cu-chitosan nanoparticle boost defense responses and plant growth in maize (<i>Zea mays</i> L.). <i>Scientific Reports</i> , 2017, 7, 9754.	1.6	235
578	Adsorption of heavy metals (Cu ²⁺ and Zn ²⁺) on novel bifunctional ordered mesoporous silica: Optimization by response surface methodology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 123-141.	2.7	72
579	Modification of chitosan/calcium alginate/Fe ₃ O ₄ hydrogel microsphere for enhancement of Cu(II) adsorption. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3922-3932.	2.7	16
580	Preparation of a novel polyacrylic acid and chitosan interpenetrating network hydrogel for removal of U(VI) from aqueous solutions. <i>RSC Advances</i> , 2018, 8, 12684-12691.	1.7	25
581	Uranium sorption from aqueous solutions using polyacrylamide-based chelating sorbents. <i>Separation Science and Technology</i> , 2018, 53, 2573-2586.	1.3	36
582	Control of the adsorption properties of alginate - guar gum matrix functionalized with epichlorohydrin through the addition of different flexible chain polymers as toll for the chymotrypsinogen isolation. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 494-500.	3.6	6
583	Effect of Complex-Former Ion Concentration on the Selectivity of Metal Ion Sorption on Cross-Linked N-2-Sulfoethylchitosan. <i>Russian Journal of Inorganic Chemistry</i> , 2018, 63, 400-405.	0.3	1
584	Grafting polymerization of acrylic acid onto chitosan-cellulose hybrid and application of the graft as highly efficient ligand for elimination of water hardness: Adsorption isotherms, kinetic modeling and regeneration. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2137-2147.	3.3	18

#	ARTICLE	IF	CITATIONS
585	Heterocyclic modification of chitosan for the adsorption of Cu (II) and Cr (VI) ions. Separation Science and Technology, 2018, 53, 1979-1990.	1.3	23
586	Surface modified pineapple crown leaf for adsorption of Cr(VI) and Cr(III) ions from aqueous solution. Journal of Environmental Chemical Engineering, 2018, 6, 2492-2501.	3.3	59
587	Hydrogels as intelligent materials: A brief review of synthesis, properties and applications. Materials Today Chemistry, 2018, 8, 42-55.	1.7	356
588	Layered Double Hydroxide/Chitosan Nanocomposite Beads as Sorbents for Selenium Oxoanions. Industrial & Engineering Chemistry Research, 2018, 57, 4978-4987.	1.8	42
589	Crosslinked chitosan-based biocomposite films modified with soy protein isolate. Polymer Composites, 2018, 39, 942-949.	2.3	15
590	Synthesis of Ion-Imprinted Bioadsorbents Based on Chitosan and its Usage in Al(III) Removal. Journal of Polymers and the Environment, 2018, 26, 1113-1120.	2.4	17
591	Influence of nitrogen plasma treatment on the wettability of polyetheretherketone and deposited chitosan layers. Advances in Polymer Technology, 2018, 37, 1557-1569.	0.8	36
592	Ion cum molecularly dual imprinted polymer for simultaneous removal of cadmium and salicylic acid. Journal of Molecular Recognition, 2018, 31, e2630.	1.1	27
593	Preparation and properties of chitosan-metal complex: Some factors influencing the adsorption capacity for dyes in aqueous solution. Journal of Environmental Sciences, 2018, 66, 301-309.	3.2	48
594	New crosslinked-chitosan graft poly(N-vinyl-2-pyrrolidone) for the removal of Cu(II) ions from aqueous solutions. International Journal of Biological Macromolecules, 2018, 107, 891-897.	3.6	28
595	Developing stretchable and graphene-oxide-based hydrogel for the removal of organic pollutants and metal ions. Applied Catalysis B: Environmental, 2018, 222, 146-156.	10.8	231
596	Adsorption of low-concentration arsenic from water by co-modified bentonite with manganese oxides and poly(dimethyldiallylammonium chloride). Journal of Environmental Chemical Engineering, 2018, 6, 156-168.	3.3	60
597	Radiation grafting of acrylamide and maleic acid on chitosan and effective application for removal of Co(II) from aqueous solutions. Radiation Physics and Chemistry, 2018, 144, 116-124.	1.4	31
598	New chitosan-imine derivatives: from green chemistry to removal of heavy metals from water. Revista Facultad De Ingenieria, 2018, , 34-43.	0.5	8
599	Synthesis and characterization of poly(HEMA-co-EGDMA-co-VBC) by modified suspension polymerization: effects of polymerization parameters reaction on chemical and thermal properties of polymer. Materials Today: Proceedings, 2018, 5, 22010-22019.	0.9	7
600	Synthesis and Characterization of Chitosan-p-t-Butylcalix[4]arene acid. IOP Conference Series: Materials Science and Engineering, 2018, 333, 012011.	0.3	3
601	The Chemistry of Chitin and Chitosan Justifying their Nanomedical Utilities. Biochemistry & Pharmacology: Open Access, 2018, 07, .	0.2	15
602	A poly(3-hydroxybutyrate)-chitosan polymer conjugate for the synthesis of safer gold nanoparticles and their applications. Green Chemistry, 2018, 20, 4975-4982.	4.6	40

#	ARTICLE	IF	CITATIONS
603	In Situ Coprecipitation Formed Highly Water-Dispersible Magnetic Chitosan Nanopowder for Removal of Heavy Metals and Its Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16754-16765.	3.2	68
604	Microgels from hydrophobic solid monomers via miniemulsion polymerization for aqueous lead and copper ion removal. <i>Reactive and Functional Polymers</i> , 2018, 133, 136-142.	2.0	3
605	Adsorption Process of Cu(II) Cations by Using the Waste of Phosphate Rock (WPR) as Novel Adsorbent material. <i>Oriental Journal of Chemistry</i> , 2018, 34, 1908-1918.	0.1	0
606	Chitosan Functionalization with Amino Acids Yields to Higher Copper Ions Adsorption Capacity. <i>Journal of Polymers and the Environment</i> , 2018, 26, 4338-4349.	2.4	15
607	Synthesis of Polymeric Matrices for Adsorption and Purification of Endoglucanase. <i>Journal of Polymers and the Environment</i> , 2018, 26, 4321-4330.	2.4	3
608	Grafting polymerization of acrylic acid onto chitosan-cellulose hybrid and application of the graft as highly efficient ligand for elimination of water hardness: Validation of high selectivity in presence of interfering ions. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 530-536.	3.6	6
609	Malic acid-enhanced chitosan hydrogel beads (mCHBs) for the removal of Cr(VI) and Cu(II) from aqueous solution. <i>Chemical Engineering Journal</i> , 2018, 353, 225-236.	6.6	94
610	Preparation of novel chitosan iron microgel beads for fortification applications. <i>Food Hydrocolloids</i> , 2018, 84, 608-615.	5.6	13
611	Surface-modified chitin by TEMPO-mediated oxidation and adsorption of Cd(II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 103-110.	2.3	29
612	Sorption of Hg(II) and Pb(II) Ions on Chitosan-Iron(III) from Aqueous Solutions: Single and Binary Systems. <i>Polymers</i> , 2018, 10, 367.	2.0	30
613	Hydrogel applications for adsorption of contaminants in water and wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24569-24599.	2.7	232
614	Removal of Mn (II) by Sodium Alginate/Graphene Oxide Composite Double-Network Hydrogel Beads from Aqueous Solutions. <i>Scientific Reports</i> , 2018, 8, 10717.	1.6	47
615	Novel route for amine grafting to chitosan electrospun nanofibers membrane for the removal of copper and lead ions from aqueous medium. <i>Carbohydrate Polymers</i> , 2018, 199, 406-414.	5.1	37
616	A review on adsorbents for treatment of water and wastewaters containing copper ions. <i>Chemical Engineering Science</i> , 2018, 192, 273-287.	1.9	197
617	Equilibrium, kinetic and mechanism studies of Cu(II) and Cd(II) ions adsorption by modified chitosan beads. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 255-263.	3.6	90
618	Derivatized Chitosan. , 2018, , 251-284.		9
619	Magnetic chitosan/sodium alginate gel bead as a novel composite adsorbent for Cu(II) removal from aqueous solution. <i>Environmental Geochemistry and Health</i> , 2019, 41, 297-308.	1.8	28
620	Properties of t̂irconia prepared by a compositêassisted nonhydrolytic sol̂gel. <i>Journal of the American Ceramic Society</i> , 2019, 102, 456-464.	1.9	5

#	ARTICLE	IF	CITATIONS
621	Composite Assisted Approach for the Synthesis of Ni@SiO ₂ –ZrO ₂ Catalysts and Their Performance Evaluation in Methane Dry Reforming. ACS Applied Energy Materials, 2019, 2, 6505-6512.	2.5	6
622	Development of Eco-Friendly Soy Meal Adhesives Enhanced by Ethylene Glycol Diglycidyl Ether. Advances in Polymer Technology, 2019, 2019, 1-7.	0.8	12
623	An effective metal controller used for enhancing cellulose protection in oxygen delignification. Cellulose, 2019, 26, 7099-7106.	2.4	2
624	Removal of Telon blue AFN in solution with the crosslinked chitosan-rice husk ash composite beads using batch reactor. Materials Today: Proceedings, 2019, 17, 1472-1478.	0.9	0
625	Prevention of postoperative peritoneal adhesions in rats with sidewall defect-bowel abrasions using metal ion-crosslinked N-succinyl chitosan hydrogels. Reactive and Functional Polymers, 2019, 145, 104374.	2.0	9
626	Enzymatic Degradation of Nanosized Chitin Whiskers with Different Degrees of Deacetylation. ACS Biomaterials Science and Engineering, 2019, 5, 5316-5326.	2.6	16
627	Synthesis of chitosan-ethylene glycol diglycidyl ether/TiO ₂ nanoparticles for adsorption of reactive orange 16 dye using a response surface methodology approach. Bioresource Technology, 2019, 293, 122071.	4.8	105
628	Preparation of Chitosan Stacking Membranes for Adsorption of Copper Ions. Polymers, 2019, 11, 1463.	2.0	22
629	Effect of beading parameters on cross-linked chitosan adsorptive properties. Reactive and Functional Polymers, 2019, 144, 104354.	2.0	31
630	Enhanced biosorption of Cu(II) by magnetic chitosan microspheres immobilized Aspergillus sydowii (MCMAs) from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 581, 123813.	2.3	22
631	Adsorption of Cu(II) ions onto crosslinked chitosan/Waste Active Sludge Char (WASC) beads: Kinetic, equilibrium, and thermodynamic study. International Journal of Biological Macromolecules, 2019, 136, 668-675.	3.6	51
632	Synthesis of ion-imprinted polymer-decorated SBA-15 as a selective and efficient system for the removal and extraction of Cu(II) with focus on optimization by response surface methodology. Analyst, The, 2019, 144, 4596-4612.	1.7	29
633	Preparation and characterization of porous chitosan microspheres and adsorption performance for hexavalent chromium. International Journal of Biological Macromolecules, 2019, 135, 898-906.	3.6	96
634	Ionic liquid functionalization of chitosan beads for improving thermal stability and copper ions uptake from aqueous solution. Journal of Environmental Chemical Engineering, 2019, 7, 103181.	3.3	19
635	Modification of chitosan macromolecule and its mechanism for the removal of Pb(II) ions from aqueous environment. International Journal of Biological Macromolecules, 2019, 136, 177-188.	3.6	53
636	Adsorption of Cu ²⁺ and Ni ²⁺ by tripolyphosphate-crosslinked chitosan-modified montmorillonite. Journal of Solid State Chemistry, 2019, 277, 143-148.	1.4	32
637	Synthesis of Modified Chitosan with Thiamine Hydrochloride as the Adsorbent for Calcium (II) Ion Removal. Key Engineering Materials, 0, 798, 397-403.	0.4	0
638	Regeneration of chitosan-based adsorbents used in heavy metal adsorption: A review. Separation and Purification Technology, 2019, 224, 373-387.	3.9	314

#	ARTICLE	IF	CITATIONS
639	Ion-chelation based digital barcodes for multiplexing of a suspension array. <i>Analyst</i> , The, 2019, 144, 4093-4099.	1.7	1
640	Immunoaffinity microcryogels for purification of transferrin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1114-1115, 5-12.	1.2	16
641	ADSORPTION OF CESIUM FROM AQUEOUS SOLUTION USING CHITOSAN BEADS. <i>Jurnal Teknologi (Sciences) Tj ET</i> 00 0 0 rgBT /Overlo	0.8	2
642	Sorption of Cu(II), Zn(II) and Pb(II) Ions in an Aqueous Solution on the PVC-Acetylacetone Composites. <i>Polymers</i> , 2019, 11, 513.	2.0	11
643	Toxicological Assessment of Cross-Linked Beads of Chitosan-Alginate and <i>Aspergillus australensis</i> Biomass, with Efficiency as Biosorbent for Copper Removal. <i>Polymers</i> , 2019, 11, 222.	2.0	15
644	Natural fibre-nanocellulose composite filters for the removal of heavy metal ions from water. <i>Industrial Crops and Products</i> , 2019, 133, 325-332.	2.5	44
645	Functionalized chitosan adsorbents allow recovery of palladium and platinum from acidic aqueous solutions. <i>Green Chemistry</i> , 2019, 21, 2295-2306.	4.6	81
646	Hydrogels derived from 2-hydroxyethyl-methacrylate and 2-acrylamido-2-methyl-1-propanesulfonic acid, with ability to remove metal cations from wastewater. <i>Polymer Bulletin</i> , 2019, 76, 6503-6528.	1.7	16
647	Preparation and characterization of poly aniline modified chitosan embedded with ZnO-Fe ₃ O ₄ for Cu(II) removal from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 1025-1045.	3.6	43
648	Supramolecular Strategy Effects on Chitosan Bead Stability in Acidic Media: A Comparative Study. <i>Gels</i> , 2019, 5, 11.	2.1	14
649	Novel magnetically separable anhydride-functionalized Fe ₃ O ₄ @SiO ₂ @PEI-NTDA nanoparticles as effective adsorbents: synthesis, stability and recyclable adsorption performance for heavy metal ions. <i>RSC Advances</i> , 2019, 9, 9533-9545.	1.7	22
650	Optically transparent chitosan hydrogels for selective sorption and fluorometric determination of dibenzothiophenes. <i>Carbohydrate Polymers</i> , 2019, 216, 260-269.	5.1	14
651	Biomolecule functionalized magnetite nanoparticles efficiently adsorb and remove heavy metals from contaminated water. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2009-2022.	1.6	23
652	Modification of Novel Chitosan-Starch Cross-Linked Derivatives Polymers: Synthesis and Characterization. <i>Journal of Polymers and the Environment</i> , 2019, 27, 979-995.	2.4	31
653	Effect of Grafting on Chitosan Adsorbents. , 2019, , 49-66.		2
654	Nanocomposites for Environmental Pollution Remediation. , 2019, , 1407-1440.		4
655	Preparation and performance of three-layered structure composite membrane for heavy metal ions and hazardous dyes rejection. <i>Polymer Engineering and Science</i> , 2019, 59, E322.	1.5	16
656	Biofilm of cross-linked Chitosan-Ethylene Glycol Diglycidyl Ether for removal of Reactive Red 120 and Methyl Orange: Adsorption and mechanism studies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102965.	3.3	103

#	ARTICLE	IF	CITATIONS
657	pH/Thermo-Dual Responsive Tunable In Situ Cross-Linkable Depot Injectable Hydrogels Based on Poly(N-Isopropylacrylamide)/Carboxymethyl Chitosan with Potential of Controlled Localized and Systemic Drug Delivery. <i>AAPS PharmSciTech</i> , 2019, 20, 119.	1.5	42
658	Kinetics and equilibriums adsorption of Cu (II) ion by chitosan and cross-linked chitosan-bentonite. <i>Reaktor</i> , 2019, 19, 117-124.	0.2	0
659	Sodium Salt of the Maleic Acid-Decene-1-Styrene Terpolymer as a Sorbent for Removal of Copper Ions from Water Solution. <i>Journal of Water Chemistry and Technology</i> , 2019, 41, 276-282.	0.2	0
661	Efficient Removal of Copper Ion from Wastewater Using a Stable Chitosan Gel Material. <i>Molecules</i> , 2019, 24, 4205.	1.7	33
662	An Experimental Application of Four Types of Chitosan Bead for Removal of Cationic and Anionic Pollutants. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	6
664	Synthesis of sustainable mesoporous treated fish waste as adsorbent for copper removal. <i>Groundwater for Sustainable Development</i> , 2019, 8, 1-9.	2.3	22
665	Microcryogels as plastic antibodies for transferrin purification. <i>Process Biochemistry</i> , 2019, 79, 174-184.	1.8	16
666	Adsorption properties of the double-imprinted electrospun crosslinked chitosan nanofibers. <i>Chinese Chemical Letters</i> , 2019, 30, 762-766.	4.8	15
667	Selective Adsorption of Pb(II) from Aqueous Medium by Cross-Linked Chitosan-Functionalized Graphene Oxide Adsorbent. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1427-1436.	3.2	75
668	Reusable surface plasmon resonance sensor for rapid detection of Cu ²⁺ based on modified-chitosan thin film as an active layer. <i>Sensors and Actuators A: Physical</i> , 2019, 286, 59-67.	2.0	14
669	Chitosan-g-maleic acid for effective removal of copper and nickel ions from their solutions. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 1287-1294.	3.6	54
670	Synthesis and adsorption characteristics of grafted hydrazinyl amine magnetite-chitosan for Ni(II) and Pb(II) recovery. <i>Chemical Engineering Journal</i> , 2019, 362, 310-324.	6.6	97
671	Extraction of Betacyanin and Betaxanthin Pigments from Red Beetroots by Chitosan Extracted from Shrimp Wastes. <i>Waste and Biomass Valorization</i> , 2019, 10, 641-653.	1.8	18
672	The rejection of mono- and di-valent ions from aquatic environment by MWNT/chitosan buckypaper composite membranes: Influences of chitosan concentrations. <i>Separation and Purification Technology</i> , 2020, 234, 116088.	3.9	24
673	Salicylaldehyde derivative of nano-chitosan as an efficient adsorbent for lead(II), copper(II), and cadmium(II) ions. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 643-652.	3.6	65
674	Adsorption of Cu ²⁺ and Ni ²⁺ by oxalic acid-crosslinked chitosan-modified montmorillonite. <i>Soft Materials</i> , 2020, 18, 411-420.	0.8	0
675	Mushroom-derived chitosan-glucan nanopaper filters for the treatment of water. <i>Reactive and Functional Polymers</i> , 2020, 146, 104428.	2.0	35
676	pH-dependent RNA isolation from cells encapsulated in chitosan-based biomaterials. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 422-430.	3.6	10

#	ARTICLE	IF	CITATIONS
677	Cu(II) and As(V) Adsorption Kinetic Characteristic of the Multifunctional Amino Groups in Chitosan. Processes, 2020, 8, 1194.	1.3	47
678	Biosorptive removal of cobalt(II) from aqueous solutions using magnetic cyanoethyl chitosan beads. Journal of Environmental Chemical Engineering, 2020, 8, 104531.	3.3	26
679	Removal of Chromium(VI) by Chitosan Beads Modified with Sodium Dodecyl Sulfate (SDS). Applied Sciences (Switzerland), 2020, 10, 4745.	1.3	19
680	Chitin-based magnetic composite for the removal of contaminating substances from aqueous media. Russian Chemical Bulletin, 2020, 69, 1157-1164.	0.4	6
681	Study on the adsorption property for Cu ²⁺ of Chitosan/Ploy (SSS- HEMA-AA) hydrogel. IOP Conference Series: Earth and Environmental Science, 2020, 450, 012036.	0.2	0
682	Neoteric approach for mitigation of fouling in membrane bioreactor utilizing green composites. Applied Water Science, 2020, 10, 1.	2.8	0
683	A review of nano-carbon based molecularly imprinted polymer adsorbents and their adsorption mechanism. New Carbon Materials, 2020, 35, 459-485.	2.9	32
684	Effect of polyacrylonitrile hollow fiber modified membrane on heavy metal ion adsorption. Ferroelectrics, 2020, 563, 95-102.	0.3	1
685	Towards Potential Removal of Malachite Green from Wastewater: Adsorption Process Optimization and Prediction. Materials Science Forum, 0, 1008, 213-221.	0.3	6
686	Chitosan-based materials for water and wastewater treatment. , 2020, , 773-809.		15
687	Nanocellulose as a sustainable material for water purification. SPE Polymers, 2020, 1, 69-80.	1.4	32
688	Synthesis of Citric Acid-Immobilized Chitosan Derivative and Its Selective Separation and Recovery of In(III) and Ga(III) from Model Waste of Solar Panels. Kagaku Kogaku Ronbunshu, 2020, 46, 13-17.	0.1	0
689	Polystyrene-based magnetic hydrogels for elimination of some toxic metal cations from aqueous solutions. Environmental Science and Pollution Research, 2020, 27, 26982-26997.	2.7	6
690	Enhanced Gold(III) adsorption using glutaraldehyde-crosslinked chitosan beads: Effect of crosslinking degree on adsorption selectivity, capacity, and mechanism. Separation and Purification Technology, 2020, 248, 116989.	3.9	80
691	New Schiff-Base™s Modified Chitosan: Synthesis, Characterization, Computational, Thermal Study and Comparison on Adsorption of Copper(II) and Nickel(II) Metal Ions in Aqueous. Journal of Polymers and the Environment, 2020, 28, 2523-2538.	2.4	11
692	Anionic dye uptake via composite using chitosan-polyacrylamide hydrogel as matrix containing TiO ₂ nanoparticles; comprehensive adsorption studies. International Journal of Biological Macromolecules, 2020, 162, 150-162.	3.6	61
693	Separation of uranium ions from acetate medium by Dowex50WX8/Alizarin Red-S and its application on granitic samples, South Um Tawat, Eastern Desert. International Journal of Environmental Analytical Chemistry, 2020, , 1-20.	1.8	3
694	Synthesis of Modified Chitosan Gel Beads and Adsorption Performance of Cu(II). Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	6

#	ARTICLE	IF	CITATIONS
695	Cellulose/chitosan porous spheres prepared from 1-butyl-3-methylimidazolium acetate/dimethylformamide solutions for Cu ²⁺ adsorption. <i>Carbohydrate Polymers</i> , 2020, 237, 116135.	5.1	14
696	Removal of Cadmium (II) from aqueous solution using tripolyphosphate cross-linked chitosan. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103842.	3.3	30
697	Coupling of kenaf Biochar and Magnetic BiFeO ₃ onto Cross-Linked Chitosan for Enhancing Separation Performance and Cr(VI) Ions Removal Efficiency. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 788.	1.2	15
698	Efficient Removal of Pb(II) from Aqueous Solutions by Using Oil Palm Bio-Waste/MWCNTs Reinforced PVA Hydrogel Composites: Kinetic, Isotherm and Thermodynamic Modeling. <i>Polymers</i> , 2020, 12, 430.	2.0	51
699	Modulating the properties of flow-assembled chitosan membranes in microfluidics with glutaraldehyde crosslinking. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2519-2529.	2.9	18
700	3D printing of hydrogels: Rational design strategies and emerging biomedical applications. <i>Materials Science and Engineering Reports</i> , 2020, 140, 100543.	14.8	494
701	Mild hydrothermal preparation of millimeter-sized carbon beads from chitosan with significantly improved adsorption stability for Cr(VI). <i>Chemical Engineering Research and Design</i> , 2020, 156, 43-53.	2.7	21
702	Arsenic Sorption on Chitosan-Based Sorbents: Comparison of the Effect of Molybdate and Tungstate Loading on As(V) Sorption Properties. <i>Journal of Polymers and the Environment</i> , 2020, 28, 934-947.	2.4	24
703	Synthesis of Quinoline/Phenanthroline Impregnated Sugarcane Bagasse for Recovering Uranium(VI) and Thorium(IV) from their Solutions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 377-389.	0.6	2
704	Uranium(VI) recovery from acidic leach liquor using manganese oxide coated zeolite (MOCZ) modified with amine. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 409-421.	0.7	6
705	Strategy to design a smart photocleavable and pH sensitive chitosan based hydrogel through a novel crosslinker: a potential vehicle for controlled drug delivery. <i>RSC Advances</i> , 2020, 10, 14694-14704.	1.7	41
706	Synthesis of green and ecofriendly iron nanoparticles using plant part extracts: application on the removal of phosphorus from aqueous media. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 340-351.	0.9	2
707	Fungal chitin-glucan nanopapers with heavy metal adsorption properties for ultrafiltration of organic solvents and water. <i>Carbohydrate Polymers</i> , 2021, 253, 117273.	5.1	43
708	Enhanced adsorption/photocatalytic removal of Cu(II) from wastewater by a novel magnetic chitosan@ bismuth tungstate coated by silver (MCTS-Ag/Bi ₂ WO ₆) composite. <i>Chemosphere</i> , 2021, 263, 128120.	4.2	23
709	Recent advances in heavy metal removal by chitosan based adsorbents. <i>Carbohydrate Polymers</i> , 2021, 251, 117000.	5.1	266
710	Dopamine-modified poly(styrene) nanospheres as new high-speed adsorbents for copper-ions having enhanced smoke-toxicity-suppression and flame-retardancy. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 619-630.	5.0	21
711	Applications of chitosan in environmental remediation: A review. <i>Chemosphere</i> , 2021, 266, 128934.	4.2	131
712	Gold(III) recovery from aqueous solutions by raw and modified chitosan: A review. <i>Carbohydrate Polymers</i> , 2021, 256, 117423.	5.1	30

#	ARTICLE	IF	CITATIONS
713	Dispersive micro solid-phase extraction with gas chromatography for determination of Diazinon and Ethion residues in biological, vegetables and cereal grain samples, employing D-optimal mixture design. <i>Microchemical Journal</i> , 2021, 160, 105680.	2.3	37
714	An environment friendly approach for heavy metal removal from industrial wastewater using chitosan based biosorbent: A review. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100951.	1.7	59
715	Characterization and antibacterial activity of Streptomycin Sulfate loaded Bioglass/Chitosan beads for bone tissue engineering. <i>Journal of Molecular Structure</i> , 2021, 1227, 129715.	1.8	17
716	Chitosan modifications for adsorption of pollutants – A review. <i>Journal of Hazardous Materials</i> , 2021, 408, 124889.	6.5	283
717	A difunctional Pluronic [®] 127-based <i>in situ</i> formed injectable thermogels as prolonged and controlled curcumin depot, fabrication, <i>in vitro</i> characterization and <i>in vivo</i> safety evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 281-319.	1.9	9
718	Synthesis and applications of chitosan and its composites. , 2021, , 439-459.		0
719	Introduction to biodegradable polymers and composites: process engineering to commercialization. , 2021, , 3-10.		3
720	Adsorption using chitosan and nano zerovalent iron composite material for sustainable water treatment. <i>Materials Research Express</i> , 2021, 8, 024001.	0.8	9
721	Perspectives for chitosan based membranes in CO ₂ /N ₂ separation : Structure–property relationship. , 2021, 11, 394-408.		6
722	Chitosan functionalized with heptadentate dinucleating ligand applied to removal of nickel, copper and zinc. <i>Carbohydrate Polymers</i> , 2021, 256, 117589.	5.1	12
723	Chitosan–Clay Composites for Wastewater Treatment: A State-of-the-Art Review. <i>ACS ES&T Water</i> , 2021, 1, 1055-1085.	2.3	44
724	Synergistic preparation of modified alginate aerogel with melamine/chitosan for efficiently selective adsorption of lead ions. <i>Carbohydrate Polymers</i> , 2021, 256, 117564.	5.1	86
725	Covalent triazine based polymer with high nitrogen levels for removal of copper(II) ions from aqueous solutions. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	19
726	Fabrication of Hybrid Materials Based on Waste Polyethylene/Porous Activated Metakaolinite Nanocomposite as an Efficient Membrane for Heavy Metal Desalination Processes. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-15.	1.5	3
727	Chitosan-Based Nanocomposite Polymeric Membranes for Water Purification – A Review. <i>Materials</i> , 2021, 14, 2091.	1.3	48
728	Preparation and evaluation of amidoximated poly(styrene-acrylonitrile) nanofibers for uranium adsorption from aqueous solutions. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	5
729	Evaluation of hyper-cross-linked polymers performances in the removal of hazardous heavy metal ions: A review. <i>Separation and Purification Technology</i> , 2021, 260, 118221.	3.9	60
730	Green synthesis, kinetics and photoactivity of novel nickel oxide-decorated zinc hexacyanocobaltate catalyst for efficient removal of toxic Cr(VI). <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105073.	3.3	42

#	ARTICLE	IF	CITATIONS
731	Seed priming with copper-loaded chitosan nanoparticles promotes early growth and enzymatic antioxidant defense of maize (<i>Zea mays</i> L.) seedlings. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2176-2184.	1.6	21
732	Recent Advances in the Synthesis, Properties, and Applications of Modified Chitosan Derivatives: Challenges and Opportunities. <i>Topics in Current Chemistry</i> , 2021, 379, 19.	3.0	26
733	Hydrogels as potential drug-delivery systems: network design and applications. <i>Therapeutic Delivery</i> , 2021, 12, 375-396.	1.2	35
734	Deep purification of As(V) in drinking water by silica gel loaded with FeOOH and MnO ₂ . <i>Journal of Central South University</i> , 2021, 28, 1692-1706.	1.2	6
735	Physicochemical modification of chitosan adsorbent: a perspective. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 5557-5575.	2.9	19
736	Preparation of forcespun ¹³ C-irradiated chitin from shrimp shell wastes and its evaluation as uranyl ion adsorbent. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 329, 731-739.	0.7	0
738	Removal of Aluminium from (Li+Al ³⁺) Aqueous Solutions by Adsorption onto Chitosan. <i>Polymer Science - Series A</i> , 2021, 63, 526-532.	0.4	0
739	Synthesis of polystyrene-based hyper-cross-linked polymers for Cd(II) ions removal from aqueous solutions: Experimental and RSM modeling. <i>Journal of Hazardous Materials</i> , 2021, 416, 125923.	6.5	36
740	Chitosan/Phosphate Rock-Derived Natural Polymeric Composite to Sequester Divalent Copper Ions from Water. <i>Nanomaterials</i> , 2021, 11, 2028.	1.9	15
741	Electrosprayed Chitosan-Copper Complex Microspheres with Uniform Size. <i>Materials</i> , 2021, 14, 5630.	1.3	9
742	Electroremoval of copper ions from aqueous solutions using chemically synthesized polypyrrole on polyester fabrics. <i>Journal of Water Process Engineering</i> , 2021, 43, 102287.	2.6	11
743	Application of chitosan-alginate bio composite for adsorption of malathion from wastewater: Characterization and response surface methodology. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103868.	1.6	19
744	Adsorption of positively and negatively charged heavy metal ions from wastewater by heteroaggregates of biopolymer particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 124789.	2.3	7
745	Adsorption and covalent binding of fibrinogen as a method for probing the chemical composition of poly(styrene/±-tert-butoxy-1%-vinylbenzyl-polyglycidol) microsphere surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 438-445.	2.5	6
746	Synthesis and characterisation of MWNT/chitosan and MWNT/chitosan-crosslinked buckypaper membranes for desalination. <i>Desalination</i> , 2017, 418, 60-70.	4.0	43
747	One-step silanization and amination of lignin and its adsorption of Congo red and Cu(II) ions in aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 222-230.	3.6	75
748	Adsorptive Removal of CO ₂ and Ni ₂₊ by Peels of Banana from Aqueous Solution. <i>Universal Journal of Chemistry</i> , 2013, 1, 90-95.	0.2	33
749	Effect of crosslinking agents on chitosan microspheres in controlled release of diclofenac sodium. <i>Polimeros</i> , 2005, 15, 6-12.	0.2	102

#	ARTICLE	IF	CITATIONS
750	Removal of copper, nickel and lead from wastewater using a modified cellulose material: a comparison. , 2008, , .		4
751	Cadmium and Copper Removal From Aqueous Solutions Using Chitosan-Coated Gasifier Biochar. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	27
752	Synthesis, Characterization of a New Polyacrylic Acid Superabsorbent, Some Heavy Metal Ion Sorption, the Adsorption Isotherms, and Quantum Chemical Investigation. <i>Materials</i> , 2020, 13, 4390.	1.3	13
753	SORPTION OF COPPER (II) AND NONIONIC SURFACTANT BY ION EXCHANGERS AND ACTIVATED CARBON. <i>Journal of Environmental Engineering and Landscape Management</i> , 2006, 14, 191-197.	0.4	4
754	Chitosan-silver Nanoparticles Composite as Point-of-use Drinking Water Filtration System for Household to Remove Pesticides in Water. <i>Asian Journal of Biochemistry</i> , 2011, 6, 142-159.	0.5	90
755	Microwave Enhanced Synthesis of Chitosan-Graft-Polyacrylamide Molecular Imprinting Polymer for Selective Removal of 17β -Estradiol at Trace Concentration. <i>Asian Journal of Biochemistry</i> , 2010, 6, 38-54.	0.5	28
756	Kinetics and Thermodynamic Study of Lead Adsorption from Aqueous Solution onto Rubber (Hevea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	41
757	Immobilization of Escherichia coli Mutant Strain for Efficient Production of Bioethanol from Crude Glycerol. <i>Journal of Applied Sciences</i> , 2015, 15, 415-430.	0.1	4
758	Adsorption of Sodium, Magnesium, Calcium and Zinc from Recovered Base Oil of Used Lubricants Using Chitosan. <i>Journal of Applied Sciences</i> , 2015, 15, 516-523.	0.1	2
759	Development of Thiourea-Formaldehyde Crosslinked Chitosan Membrane Networks for Separation of Cu (II) and Ni (II) Ions. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1513-1520.	1.0	11
761	Optimization and Kinetic Study for the Removal of Chromium (VI) Ions by Acid Treated Sawdust Chitosan Composite Beads. <i>International Research Journal of Pure and Applied Chemistry</i> , 2015, 5, 160-176.	0.2	3
762	Chitosan Hydrogel for Removing of Heavy Metal Ions from Water: A Review. <i>Engineering and Technology Journal</i> , 2021, 39, 1195-1205.	0.4	1
763	Crosslinked chitosan oligosaccharide-based binary and ternary blends for the removal of Cu(II) ions. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	2
764	Fabrication of Polyelectrolyte Membranes of Pectin Graft-Copolymers with PVA and Their Composites with Phosphomolybdic Acid for Drug Delivery, Toxic Metal Ion Removal, and Fuel Cell Applications. <i>Membranes</i> , 2021, 11, 792.	1.4	12
765	Natural Dyeing of Chitosan-crosslinked Cotton Fabrics(I) - Turmeric -. <i>Textile Coloration and Finishing</i> , 2008, 20, 8-17.	0.0	3
766	Natural Dyeing of Chitosan Crossinked Cotton Fabrics(IV) - Cochineal -. <i>Fashion & Textile Research Journal</i> , 2010, 12, 381-388.	0.1	4
767	Adsorption of U(VI) from Aqueo0020us Solution by Chitosan Grafted with Citric Acid via Crosslinking with Glutraldehyde. <i>Journal of Chemical Engineering & Process Technology</i> , 2012, 03, .	0.1	2
768	Natural Dyeing of Chitosan Crossinked Cotton Fabrics - Gromwell -. <i>Fashion & Textile Research Journal</i> , 2012, 14, 311-319.	0.1	10

#	ARTICLE	IF	CITATIONS
769	Recovery of Platinum from Dilute Chloride Media Using Biosorbents. , 2013, , 344-353.		0
770	Nitrate Nitrogen Reduction Technology for Safe Groundwater Drinking. Food Engineering Progress, 2014, 18, 36-41.	0.0	3
771	Preparation of PVC-D2EHPA beads by Immobilization of D2EHPA on Polyvinyl Chloride as Solid Phase Extractant and Removal Characteristics of Cu(II). Journal of Environmental Science International, 2014, 23, 1157-1163.	0.0	2
772	Gallnut dyeing of Crabyon Fiber Contained Cotton Towels. Fashion & Textile Research Journal, 2015, 17, 1030-1038.	0.1	3
773	Chemical Modification of Chitin and Chitosan for Their Potential Applications. , 2017, , 117-175.		0
774	Natural Dyeing of Cationic-modified New Rayon (cocell) Fabric : Gallnut. Fashion & Textile Research Journal, 2019, 21, 356-362.	0.1	1
775	Performance of Chitosan Micro/Nanoparticles to Remove Hexavalent Chromium From Residual Water. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 262-288.	0.3	0
776	Cellulose-Based Adsorbents for Heavy Metal Removal. Environmental Chemistry for A Sustainable World, 2021, , 113-142.	0.3	4
777	Polymer-based nanocomposites reinforced with functionalized-MWCNT and their utilizing as sorbent for removal of MB and Cd ²⁺ ion from water media: A review. Journal of Organometallic Chemistry, 2022, 957, 122170.	0.8	12
778	Preparation of chitosan nanospheres and optimization of process parameters by response surface method. Polymer Engineering and Science, 2022, 62, 201-209.	1.5	1
779	Targeted hot ion therapy of infected wound by glycol chitosan and polydopamine grafted Cu-SiO ₂ nanoparticles. Nano Today, 2021, 41, 101330.	6.2	33
780	Sequestration of Cd(II) and Cu(II) ions using bio-based hydrogel: a study on the adsorption isotherms and kinetics. International Journal of Environmental Science and Technology, 2022, 19, 10877-10892.	1.8	10
781	Application in the optimization of Pb(II) adsorption by chitosan from produced water by using response surface methodology. International Journal of Environmental Science and Technology, 2023, 20, 197-208.	1.8	4
782	Design of Magnetic Hydrogels for Hyperthermia and Drug Delivery. Polymers, 2021, 13, 4259.	2.0	52
783	COD adsorption and optimization from produced water using chitosanâ€ZnO nanocomposite. Applied Nanoscience (Switzerland), 0, , 1.	1.6	9
787	Some Well-Known Alginate and Chitosan Modifications Used in Adsorption: A Review. Water (Switzerland), 2022, 14, 1353.	1.2	32
788	Cu(II) removal from wastewater using chitosan-based adsorbents: A review. Journal of Environmental Chemical Engineering, 2022, 10, 108048.	3.3	42
789	<sc>Nâ€acetylâ€D</sc> â€glucosamineâ€binding lectin (<sc>PrLec</sc>) from the serum of healthy blue swimming crab <i>Portunus reticulatus</i> agglutinates Gramâ€positive (<i>Micrococcus luteus</i>) and Gramâ€negative (<i>Escherichia coli</i>) bacteria. Aquaculture Research, 2022, 53, 4944-4957.	0.9	1

#	ARTICLE	IF	CITATIONS
790	Efficiency of a novel nitrogen-doped Fe ₃ O ₄ impregnated biochar (N/Fe ₃ O ₄ @BC) for arsenic (III and V) removal from aqueous solution: Insight into mechanistic understanding and reusability potential. <i>Arabian Journal of Chemistry</i> , 2022, 15, 104209.	2.3	24
791	Chitosan/waste glass composite as new material for copper removal from contaminated water. <i>Materials Chemistry and Physics</i> , 2022, 290, 126613.	2.0	5
793	Preparation and application of chitosan-based fluorescent probes. <i>Analyst, The</i> , 2022, 147, 4657-4673.	1.7	13
794	Adsorption of Heavy Metals Removal. <i>Engineering Materials and Processes</i> , 2022, , 157-248.	0.2	0
795	Preparation and Application of Chitosan Derivatives. <i>Engineering Materials and Processes</i> , 2022, , 103-155.	0.2	2
796	Environmental Properties and Applications of Cellulose and Chitin-Based Bionanocomposites. <i>Advanced Structured Materials</i> , 2023, , 99-140.	0.3	2
797	Facile Synthesis of chitosan-g-PVP/f-MWCNTs for application in Cu(II) ions removal and for bacterial growth inhibition in aqueous solutions. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
798	Removal of Cu(II) and Cd(II) Ions from Aqueous Solutions by Methionine Functionalized Cobalt-Magnesium Ferrite Chitosan Beads: Performance and Adsorption Mechanism. <i>Journal of Polymers and the Environment</i> , 2023, 31, 1967-1985.	2.4	7
799	A Comprehensive Review Based on Chitin and Chitosan Composites. <i>Composites Science and Technology</i> , 2023, , 15-66.	0.4	2
800	Chitosan Composites for the Removal of Pollutants in Aqueous Environment. <i>Composites Science and Technology</i> , 2023, , 163-179.	0.4	0
801	Removal of Cu(II) by biopolymer-clay nanocomposite adsorbent. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 0, , .	0.8	0
802	Predicting Cu(II) Adsorption from Aqueous Solutions onto Nano Zero-Valent Aluminum (nZVAL) by Machine Learning and Artificial Intelligence Techniques. <i>Sustainability</i> , 2023, 15, 2081.	1.6	18
803	Investigation of Cross-Linked Chitosan-Based Membranes as Potential Adsorbents for the Removal of Cu ²⁺ Ions from Aqueous Solutions. <i>Materials</i> , 2023, 16, 1926.	1.3	2
804	Chitosan-based beads as sustainable adsorbents for wastewater remediation: a review. <i>Environmental Chemistry Letters</i> , 2023, 21, 1881-1905.	8.3	22
805	Chitosan-Based Architectures as an Effective Approach for the Removal of Some Toxic Species from Aqueous Media. <i>ACS Omega</i> , 2023, 8, 10086-10099.	1.6	11
806	A Carbonized Zeolite/Chitosan Composite as an Adsorbent for Copper (II) and Chromium (VI) Removal from Water. <i>Materials</i> , 2023, 16, 2532.	1.3	9
811	Advances in electrospun chitosan nanofiber biomaterials for biomedical applications. <i>Materials Advances</i> , 2023, 4, 3114-3139.	2.6	3
824	Biomaterials for Water Purification: Dyes, Heavy Metals, and Pharmaceuticals. , 2024, , 1-23.		0

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