Ghanshyam S Chauhan

List of Publications by Year
in descending order

173 papers	5,174 citations	81900 39 h-index	123424 61 g-index
173 all docs	173 docs citations	173 times ranked	5766 citing authors

#	Article	IF	Citations
1	New Celluloseâ€“Lysine Schiff-Base-Based Sensorâ€“Adsorbent for Mercury Ions. ACS Applied Materials & Interfaces, 2014, 6, 5908-5917.	8.0	188
2	Extraction and characterization of pectin from apple pomace and its evaluation as lipase (steapsin) inhibitor. Carbohydrate Polymers, 2010, 82, 454-459.	10.2	181
3	Ionic conductivity and electrochemical properties of nanocomposite polymer electrolytes based on electrospun poly(vinylidene fluoride-co-hexafluoropropylene) with nano-sized ceramic fillers. Electrochimica Acta, 2008, 54, 228-234.	5.2	177
4	Electrochemical performance of electrospun poly(vinylidene fluoride-co-hexafluoropropylene)-based nanocomposite polymer electrolytes incorporating ceramic fillers and room temperature ionic liquid. Electrochimica Acta, 2010, 55, 1347-1354.	5.2	141
5	Novel electrospun poly(vinylidene fluoride-co-hexafluoropropylene)â€“in situ SiO2 composite membrane-based polymer electrolyte for lithium batteries. Journal of Power Sources, 2008, 184, 437-443.	7.8	138
6	Novel cellulose nanowhiskers-based polyurethane foam for rapid and persistent removal of methylene blue from its aqueous solutions. Chemical Engineering Journal, 2016, 304, 728-736.	12.7	133
7	Enhancement of electrochemical performance of lithium iron phosphate by controlled solâ€“gel synthesis. Electrochimica Acta, 2008, 53, 8258-8264.	5.2	131
8	New spherical nanocellulose and thiol-based adsorbent for rapid and selective removal of mercuric ions. Chemical Engineering Journal, 2018, 331, 587-596.	12.7	124
9	Synthesis, characterization and swelling responses of pH sensitive psyllium and polyacrylamide based hydrogels for the use in drug delivery (I). Carbohydrate Polymers, 2007, 67, 190-200.	10.2	102
10	Glutaraldehyde activation of polymer Nylon-6 for lipase immobilization: Enzyme characteristics and stability. Bioresource Technology, 2008, 99, 2566-2570.	9.6	100
11	Synthesis and characterization of novel guar gum hydrogels and their use as Cu2+ sorbents. Bioresource Technology, 2009, 100, 3599-3603.	9.6	79
12	Synthesis of acryloyl guar gum and its hydrogel materials for use in the slow release of l-DOPA and l-tyrosine. Carbohydrate Polymers, 2009, 76, 513-520.	10.2	77
13	l-Cysteine functionalized bagasse cellulose nanofibers for mercury(II) ions adsorption. International Journal of Biological Macromolecules, 2018, 112, 728-736.	7.5	72
14	Synthesis, characterization and metal ion sorption studies of graft copolymers of cellulose with glycidyl methacrylate and some comonomers. Cellulose, 2005, 12, 97-110.	4.9	70
15	Synthesis, characterization and metal ion sorption studies of graft copolymers of cellulose with glycidyl methacrylate and some comonomers. Cellulose, 2005, 12, 97-110.	4.9	68
16	Polymers from renewable resources: sorption of Cu2+ ions by cellulose graft copolymers. Desalination, 2000, 130, 85-88.	8.2	67
17	Use of novel hydrogels based on modified cellulosics and methacrylamide for separation of metal ions from water systems. Journal of Applied Polymer Science, 2002, 86, 667-671.	2.6	67
18	Green synthesis of Moringa oleifera gum-based bifunctional polyurethane foam braced with ash for rapid and efficient dye removal. Chemical Engineering Journal, 2019, 361, 1586-1596.	12.7	66

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19	New glucose oxidase-immobilized stimuli-responsive dextran nanoparticles for insulin delivery. International Journal of Biological Macromolecules, 2019, 123, 968-978.	7.5	62
20	Polymerâ€modified bitumen of recycled LDPE and maleated bitumen. Journal of Applied Polymer Science, 2013, 127, 67-78.	2.6	60
21	Modified pectin-based polymers as green antiscalants for calcium sulfate scale inhibition. Desalination, 2012, 305, 31-37.	8.2	59
22	Metal ion sorption and swelling studies of psyllium and acrylic acid based hydrogels. Carbohydrate Polymers, 2006, 64, 50-56.	10.2	57
23	Extraction and functionalization of bagasse cellulose nanofibres to Schiff-base based antimicrobial membranes. International Journal of Biological Macromolecules, 2016, 91, 887-894.	7.5	56
24	The release dynamics of salicylic acid and tetracycline hydrochloride from the psyllium and polyacrylamide based hydrogels (II). Carbohydrate Polymers, 2007, 67, 559-565.	10.2	54
25	Electrochemical properties of rechargeable organic radical battery with PTMA cathode. Metals and Materials International, 2009, 15, 77-82.	3.4	53
26	Crosslinked cellulose dialdehyde for Congo red removal from its aqueous solutions. Journal of Environmental Chemical Engineering, 2016, 4, 1126-1136.	6.7	52
27	Effect of synthetic conditions on the electrochemical properties of LiMn0.4Fe0.6PO4/C synthesized by solâ€“gel technique. Journal of Power Sources, 2009, 189, 391-396.	7.8	49
28	A new hemicellulose-based adsorbent for malachite green. Journal of Environmental Chemical Engineering, 2018, 6, 3889-3897.	6.7	49
29	The release dynamics of model drugs from the psyllium and N-hydroxymethylacrylamide based hydrogels. International Journal of Pharmaceutics, 2006, 325, 15-25.	5.2	48
30	Novel grafted cellulose-based hydrogels for water technologies. Desalination, 2003, 159, 131-138.	8.2	47
31	Use of biopolymers and acrylamide-based hydrogels for sorption of Cu2+, Fe2+ and Cr6+ ions from their aqueous solutions. Desalination, 2006, 197, 75-81.	8.2	47
32	Synthesis of a PEGylated Dopamine Ester with Enhanced Antibacterial and Antifungal Activity. ACS Omega, 2018, 3, 7925-7933.	3.5	47
33	Anion effects on anti-microbial activity of poly[1-vinyl-3-(2-sulfoethyl imidazolium betaine)]. Journal of Colloid and Interface Science, 2010, 344, 90-96.	9.4	46
34	New lignin-based polyurethane foam for wastewater treatment. RSC Advances, 2016, 6, 77768-77776.	3.6	46
35	Electrochemical properties of new organic radical materials for lithium secondary batteries. Journal of Power Sources, 2008, 184, 503-507.	7.8	45
36	Nitrogenâ€Doped Mesoporous Carbon: A Topâ€Down Strategy to Promote Sulfur Immobilization for Lithiumâ€“Sulfur Batteries. ChemSusChem, 2015, 8, 3234-3241.	6.8	45

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37	Nanostructured nitrogen-doped mesoporous carbon derived from polyacrylonitrile for advanced lithium sulfur batteries. Applied Surface Science, 2016, 380, 151-158.	6.1	45
38	Silica-polymer hybrid materials as methylene blue adsorbents. Journal of Environmental Chemical Engineering, 2017, 5, 103-113.	6.7	45
39	Evaluation of optimum grafting parameters and the effect of ceric ion initiated grafting of methyl methacrylate on to jute fibre on the kinetics of thermal degradation and swelling behaviour. Polymer Degradation and Stability, 2000, 69, 261-265.	5.8	43
40	Novel Polycarboxylated Starch-Based Sorbents for Cu²⁺ Ions. Industrial & Engineering Chemistry Research, 2010, 49, 2548-2556.	3.7	41
41	A study in sorption of some metal ions on novel hydrogels based on modified cellulosics and 2-acrylamido-2-methyl propane sulphonic acid. Desalination, 2001, 141, 325-329.	8.2	40
42	Functionalization of poly(4-vinyl pyridine) grafted cellulose by quaternization reactions and a study on the properties of postquaternized copolymers. Journal of Applied Polymer Science, 2004, 91, 2454-2464.	2.6	40
43	A new guar gum-based adsorbent for the removal of Hg(II) from its aqueous solutions. Carbohydrate Polymers, 2014, 106, 276-282.	10.2	39
44	Functionalization of Moringa oleifera gum for use as Hg2+ ions adsorbent. Journal of Environmental Chemical Engineering, 2018, 6, 1805-1813.	6.7	39
45	Preparation and characterization of pH-responsive guar gum microspheres. International Journal of Biological Macromolecules, 2013, 62, 636-641.	7.5	37
46	Sorption of some metal ions on cellulosic-based hydrogels. Desalination, 2005, 181, 217-224.	8.2	36
47	A study in the adsorption of Fe2+ and NO3- on pine needles based hydrogels. Bioresource Technology, 2008, 99, 6464-6470.	9.6	36
48	Polymers from renewable resources. II. A study in the radio chemical grafting of poly(styrene-alt-maleic anhydride) onto cellulose extracted from pine needles. Journal of Polymer Science Part A, 1999, 37, 1763-1769.	2.3	34
49	Polymers from renewable resources: kinetics of 4-vinyl pyridine radiochemical grafting onto cellulose extracted from pine needles. Radiation Physics and Chemistry, 2000, 58, 181-190.	2.8	33
50	Production and Characterization of Biodiesel Using Nonedible Castor Oil by Immobilized Lipase fromBacillus aerius. BioMed Research International, 2015, 2015, 1-6.	1.9	33
51	An Efficient and Regenerable Quaternary Starch for Removal of Nitrate from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2016, 55, 2507-2519.	3.7	33
52	New modified poly(vinylamine)-gels as selective and efficient Hg 2+ ions adsorbents. Chemical Engineering Journal, 2017, 316, 978-987.	12.7	33
53	Study on the synthesis, characterization, and sorption of some metal ions on gelatin- and acrylamide-based hydrogels. Journal of Applied Polymer Science, 2003, 90, 3856-3871.	2.6	32
54	Post functionalization of carboxymethylated starch and acrylonitrile based networks through amidoximation for use as ion sorbents. Carbohydrate Polymers, 2006, 66, 435-443.	10.2	32

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55	Effect of firing temperature on the electrochemical performance of LiMn0.4Fe0.6PO4/C materials prepared by mechanical activation. Journal of Power Sources, 2009, 189, 59-65.	7.8	32
56	Tuning anti-microbial activity of poly(4-vinyl 2-hydroxyethyl pyridinium) chloride by anion exchange reactions. Journal of Materials Science: Materials in Medicine, 2010, 21, 717-724.	3.6	32
57	Ionic liquid-based gel polymer electrolyte for LiMn0.4Fe0.6PO4 cathode prepared by electrospinning technique. Electrochimica Acta, 2010, 55, 1366-1372.	5.2	32
58	Grafting of GMA and some comonomers onto chitosan for controlled release of diclofenac sodium. International Journal of Biological Macromolecules, 2014, 64, 368-376.	7.5	32
59	Effect of activated crumb rubber on the properties of crumb rubberâ€modified bitumen. Journal of Applied Polymer Science, 2013, 129, 2821-2831.	2.6	31
60	Gelatinâ€“Silica-Based Hybrid Materials as Efficient Candidates for Removal of Chromium(Vi) from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2014, 53, 4838-4849.	3.7	31
61	Synthesis of geranyl butyrate with the poly(acrylic acidâ€coâ€hydroxy propyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 aeruginosa MTCCâ€4713. Journal of Applied Polymer Science, 2008, 110, 2681-2692.	2.6	30
62	Immobilization of lipase on hydrogels: Structural aspects of polymeric matrices as determinants of enzyme activity in different physical environments. Journal of Applied Polymer Science, 2004, 92, 3135-3143.	2.6	29
63	Fractionation and physicochemical characterization of lignin from waste jute bags: Effect of process parameters on yield and thermal degradation. International Journal of Biological Macromolecules, 2017, 97, 403-410.	7.5	29
64	Effect of Solvents and Kinetic Parameters on Synthesis of Ethyl Propionate Catalysed by Poly (AAc-co-HPMA-cl-MBAm)-Matrix-Immobilized Lipase of Pseudomonas aeruginosa BTS-2.. World Journal of Microbiology and Biotechnology, 2005, 21, 1037-1044.	3.6	26
65	Pectin and acrylamide based hydrogels for environment management technologies: Synthesis, characterization, and metal ions sorption. Journal of Applied Polymer Science, 2007, 106, 2158-2168.	2.6	26
66	A study in the uranyl ions uptake on acrylic acid and acrylamide copolymeric hydrogels. Journal of Applied Polymer Science, 2008, 110, 3795-3803.	2.6	26
67	Kinetics study of invertase covalently linked to a new functional nanogel. Bioresource Technology, 2011, 102, 2177-2184.	9.6	26
68	Evaluation of nanogels as supports for enzyme immobilization. Polymer International, 2014, 63, 1889-1894.	3.1	26
69	Enzymatic synthesis of isopropyl myristate using immobilized lipase fromBacillus cereusMTCC 8372. Acta Microbiologica Et Immunologica Hungarica, 2008, 55, 327-342.	0.8	25
70	Study in sorption of Cr6+ and NO3â^' on poly (2-acrylamido-2-methylpropane-1-sulfonic acid) hydrogels. Desalination, 2009, 239, 1-9.	8.2	25
71	Chitosan-thiomer stabilized silver nano-composites for antimicrobial and antioxidant applications. RSC Advances, 2016, 6, 75453-75464.	3.6	25
72	Etherified Moringa oleifera gum as rapid and effective dye adsorbents. Chemical Engineering Journal, 2020, 387, 124055.	12.7	25

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73	Functionalization of pine needles by carboxymethylation and network formation for use as supports in the adsorption of Cr6+. Carbohydrate Polymers, 2007, 70, 415-421.	10.2	23
74	Synthesis and characterization of acrylamide and 2-hydroxyethyl methacrylate hydrogels for use in metal ion uptake studies. Desalination, 2009, 243, 95-108.	8.2	23
75	Electrochemical properties of lithium polymer batteries with doped polyaniline as cathode material. Materials Research Bulletin, 2012, 47, 2815-2818.	5.2	23
76	Modified chitosan microspheres in non-aggregated amylase immobilization. International Journal of Biological Macromolecules, 2014, 66, 46-51.	7.5	23
77	A green and highly efficient sulfur functionalization of starch. RSC Advances, 2015, 5, 51762-51772.	3.6	23
78	Synthesis and characterization ofN-vinyl pyrrolidone and cellulosics based functional graft copolymers for use as metal ions and iodine sorbents. Journal of Applied Polymer Science, 2005, 98, 373-382.	2.6	22
79	Shortâ€chain ester synthesis by transesterification employing poly (MAcâ€coâ€DMAâ€clâ€MBAm) hydrogelâ€bound lipase of Bacillus coagulans MTCCâ€6375. Journal of Applied Polymer Science, 2008, 109, 1063-1071.	2.6	22
80	Synthesis, characterization, and swelling studies of pHâ€•and thermosensitive hydrogels for specialty applications. Journal of Applied Polymer Science, 2008, 109, 47-55.	2.6	22
81	Surface-modified maghemite as the cathode material for lithium batteries. Journal of Power Sources, 2008, 184, 527-531.	7.8	22
82	Quantitative estimation of poly(methyl methacrylate) nano-fiber membrane diameter by artificial neural networks. European Polymer Journal, 2016, 74, 91-100.	5.4	22
83	Polymers from renewable resources: Kinetics studies of the radiochemical graft copolymerization of styrene onto cellulose extracted from pine needles and the effect of some additives on the grafting parameters in an aqueous medium. Journal of Applied Polymer Science, 2002, 83, 1490-1500.	2.6	20
84	Properties of poly(AAc-co-HPMA-cl-EGDMA) hydrogel-bound lipase ofPseudomonas aeruginosa MTCC-4713 and its use in synthesis of methyl acrylate. Journal of Applied Polymer Science, 2007, 104, 183-191.	2.6	20
85	Synthesis, characterization, and swelling studies of guar gumâ€based pH, temperature, and salt responsive hydrogels. Journal of Applied Polymer Science, 2012, 126, E260.	2.6	20
86	Nanoparticles of oxidized-cellulose synthesized by green method. Materials Science for Energy Technologies, 2018, 1, 22-28.	1.8	20
87	Preparation, characterization and trifluralin degradation of laccase-modified cellulose nanofibers. Materials Science for Energy Technologies, 2018, 1, 29-37.	1.8	20
88	Gelatin-based mesoporous hybrid materials for Hg2+ ions removal from aqueous solutions. Separation and Purification Technology, 2020, 239, 116513.	7.9	20
89	Hydroxypropylation of cellulose isolated from bamboo (Dendrocalamus strictus) with respect to hydroxypropoxyl content and rheological behavior of the hydroxypropyl cellulose. Journal of Applied Polymer Science, 2009, 113, 2450-2455.	2.6	19
90	Bio-waste derived dialdehyde cellulose ethers as supports for Î±-chymotrypsin immobilization. International Journal of Biological Macromolecules, 2016, 85, 227-237.	7.5	19

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91	Grafting onto wool. XXVIII. Effects of acids on gamma-radiation induced graft copolymerization of ethylmethacrylate onto wool fiber. Journal of Applied Polymer Science, 1991, 42, 3223-3227.	2.6	18
92	Synthesis, characterization, and swelling responses of poly(N-isopropylacrylamide)- and hydroxypropyl cellulose-based environmentally sensitive biphasic hydrogels. Journal of Applied Polymer Science, 2004, 91, 479-488.	2.6	18
93	Synthesis of alkyl coumarate esters by celite-bound lipase of Bacillus licheniformis SCD11501. Journal of Molecular Catalysis B: Enzymatic, 2014, 101, 80-86.	1.8	18
94	Gallic acidâ€based alkyl esters synthesis in a waterâ€free system by celiteâ€bound lipase of <scp>B</scp>acillus licheniformis<scp>SCD</scp>11501. Biotechnology Progress, 2015, 31, 715-723.	2.6	18
95	Efficient method of starch functionalization to bis-quaternary structure unit. International Journal of Biological Macromolecules, 2015, 80, 498-505.	7.5	18
96	Spherical nanocellulose-based highly efficient and rapid multifunctional naked-eye Cr(VI) ion chemosensor and adsorbent with mild antimicrobial properties. Chemical Engineering Journal, 2018, 349, 146-155.	12.7	18
97	Synthesis and characterization of graft copolymers of hydroxypropyl cellulose with acrylamide and some comonomers. Journal of Applied Polymer Science, 2004, 91, 545-555.	2.6	17
98	Removal of As(V) from water by pectin based active hydrogels following geochemical approach. Bioresource Technology, 2009, 100, 1474-1477.	9.6	17
99	Graft Copolymers of Acrylonitrile onto Dextrin for Use in Separation Technologies. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 59, 263-285.	3.4	17
100	Comparative Study of Free and Immobilized Lipase from Bacillus aerius and its Application in Synthesis of Ethyl Ferulate. Journal of Oleo Science, 2014, 63, 911-919.	1.4	17
101	Synthesis and characterization of acrylamide and 2-hydroxylpropyl methacrylate hydrogels for specialty applications. Journal of Applied Polymer Science, 2006, 99, 3040-3049.	2.6	16
102	Grafting of a styrene-acrylonitrile binary monomer mixture onto cellulose extracted from pine needles. Journal of Applied Polymer Science, 2002, 83, 2000-2007.	2.6	15
103	Synthesis of crosslinked lipase aggregates and their use in the synthesis of aspirin. Chemical Engineering Research and Design, 2015, 97, 159-164.	5.6	15
104	Highly Selective and Rapid Naked-Eye Colorimetric Sensing and Fluorescent Studies of Cu²⁺ Ions Derived from Spherical Nanocellulose. ACS Applied Polymer Materials, 2020, 2, 5290-5299.	4.4	15
105	Graft copolymerization of 2-vinyl pyridine and styrene onto isotactic polypropylene powder by the preirradiation method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 270, 137-144.	5.6	14
106	Characteristics of poly(AAc5-co-HPMA3-cl-EGDMA15) hydrogel-immobilized lipase ofPseudomonas aeruginosa MTCC-4713. Journal of Applied Polymer Science, 2006, 100, 4636-4644.	2.6	14
107	Functionalization of polyethylene film by radiochemical grafting for use as membranes in seawater desalination. Desalination, 1997, 110, 115-127.	8.2	13
108	Structural aspects and nature of swelling medium as equilibrium swelling determinants of acrylamide and cellulosic-based smart hydrogels. Journal of Applied Polymer Science, 2002, 85, 1161-1169.	2.6	13

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109	Adsorption capacity, kinetics, and mechanism of copper(II) uptake on gelatinâ€based hydrogels. Journal of Applied Polymer Science, 2011, 119, 363-370.	2.6	13
110	Star-shaped polymers of bio-inspired algae core and poly(acrylamide) and poly(acrylic acid) as arms in dissolution of silica/silicate. Water Research, 2014, 56, 225-233.	11.3	13
111	New crosslinked hydrazideâ€“based polymers as Cr(VI) ions adsorbents. Journal of Environmental Chemical Engineering, 2017, 5, 5815-5826.	6.7	13
112	Synthesis and characterization of grafted polyethylenes for use as membranes in water desalination. Desalination, 1997, 110, 129-141.	8.2	12
113	Graft copolymerization of 4-vinylpyridine and methyl acrylate onto polyethylene film by radiochemical method. Journal of Applied Polymer Science, 1998, 69, 599-610.	2.6	12
114	Synthesis of Graft Copolymers of Acrylamide and Comonomers on to Cellulose: A Study of the Effect of Comonomer on Polymer Yields, Structure and Properties. Polymers and Polymer Composites, 2003, 11, 19-29.	1.9	12
115	Enhancement of Ethyl Propionate Synthesis by poly (AAc-co-HPMA-cl-MBAm)-immobilizedÂ Pseudomonas aeruginosa MTCC-4713, Exposed to Hg2+and NH4+Ions. Acta Microbiologica Et Immunologica Hungarica, 2006, 53, 195-207.	0.8	12
116	Sound Speed and Density Studies of Interactions Between Cationic Surfactants and Aqueous Gelatin Solution. International Journal of Thermophysics, 2012, 33, 279-288.	2.1	12
117	Thiourea functionalized Î²-cyclodextrin as green reducing and stabilizing agent for silver nanocomposites with enhanced antimicrobial and antioxidant properties. New Journal of Chemistry, 2017, 41, 12645-12654.	2.8	12
118	Enhanced catalytic activity of new acryloyl crosslinked cellulose dialdehyde-nitrilase Schiff base and its reduced form for nitrile hydrolysis. International Journal of Biological Macromolecules, 2019, 131, 117-126.	7.5	12
119	Radiochemical grafting of methacrylonitrile and its binary mixture with methyl acrylate onto gelatin. Polymer International, 1998, 46, 275-279.	3.1	11
120	Methacrylic acid and dodecyl methacrylate (MAc-DMA) hydrogel for enhanced catalytic activity of lipase ofBacillus coagulans MTCC-6375. Journal of Applied Polymer Science, 2006, 100, 1420-1426.	2.6	11
121	A study of the synthesis, kinetics, and characterization of reactive graft copolymers of poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overloc Applied Polymer Science, 2006, 100, 1522-1530.	2.6	11
122	Uranyl ions uptake on poly(AAc/AAm)-cl-N,N-MBAAm hydrogel. Polymer Bulletin, 2010, 64, 363-374.	3.3	11
123	Synthesis of medically important ethyl cinnamate ester by porcine pancreatic lipase immobilized on poly(AAcâ€coâ€HPMAâ€clâ€EGDMA) hydrogel. Journal of Applied Polymer Science, 2011, 121, 2674-2679.	2.6	11
124	Effect of carbon coating methods on structural characteristics and electrochemical properties of carbon-coated lithium iron phosphate. Solid State Ionics, 2014, 262, 25-29.	2.7	11
125	Functionalization of nanocellulose to quaternized nanocellulose tri-iodide and its evaluation as an antimicrobial agent. International Journal of Biological Macromolecules, 2021, 190, 1007-1014.	7.5	11
126	A study on the sorption of NO₃^{â^’} and F^{â^’} on the carboxymethylated starchâ€based hydrogels loaded with Fe²⁺ ions. Journal of Applied Polymer Science, 2007, 106, 1924-1931.	2.6	10

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127	Cellulase stabilization by crosslinking with ethylene glycol dimethacrylate and evaluation of its activity including in a waterâ€“ionic liquid mixture. RSC Advances, 2016, 6, 25485-25491.	3.6	10
128	Effect of Nano-Sized Ceramic Fillers on the Performance of Polymer Electrolytes Based on Electrospun Polyacrylonitrile Nanofibrous Membrane for Lithium Ion Batteries. Science of Advanced Materials, 2016, 8, 741-748.	0.7	10
129	Preparation of polymeric initiators of the anionic polymerization of lactams from polyetherdiols. Journal of Applied Polymer Science, 1992, 46, 2169-2175.	2.6	9
130	Functionalization of poly(tetrafluoroethylene-co-ethylene) film by radiation-induced graft copolymerization. Journal of Applied Polymer Science, 2000, 78, 1171-1178.	2.6	9
131	Graft Copolymers of Poly(methyl methacrylate) on Cellulose and Their Use as Supports in Metal Ion Sorption. Polymers and Polymer Composites, 2005, 13, 105-116.	1.9	9
132	Strontium(II) ion uptake on poly(Nâ€vinyl imidazole)â€based hydrogels. Journal of Applied Polymer Science, 2012, 124, 3721-3727.	2.6	9
133	Removal/Dissolution of Mineral Scale Deposits. , 2015, , 701-720.		9
134	New silicaâ€“titania based polymeric hybrid materials for the removal of Cu(II) ions from their aqueous solutions. Journal of Environmental Chemical Engineering, 2016, 4, 2518-2528.	6.7	9
135	Synthesis and characterization of 4-vinyl pyridine-grafted Teflon-PFA film for water technologies. Journal of Polymer Science Part A, 2000, 38, 4506-4518.	2.3	8
136	Designing acrylamide- and methacrylate-based novel supports for lipase immobilization. Journal of Applied Polymer Science, 2007, 105, 3006-3016.	2.6	7
137	Prolineâ€based polymeric monoliths: Synthesis, characterization, and applications as organocatalysts in aldol reaction. Journal of Polymer Science Part A, 2010, 48, 1007-1015.	2.3	7
138	Separation of Uranyl Ions on Starch-Based Functional Hydrogels: Mechanism and Kinetics. Separation Science and Technology, 2010, 46, 172-178.	2.5	7
139	Tailoring Effect of Alkyl Chain Length and Counter Anion on Antimicrobial Behavior of 4â€“Vinyl Pyridineâ€“based Cationic Polymers. Anti-Infective Agents, 2015, 13, 78-86.	0.4	7
140	Improving activity and stabilization of urease by crosslinking to nanoaggregate forms for herbicide degradation. International Journal of Biological Macromolecules, 2020, 158, 521-529.	7.5	7
141	Grafting onto wool. XXX. Effects of solvent composition on the radiation-induced graft copolymerization of some acrylates onto wool fiber. Journal of Applied Polymer Science, 1997, 65, 191-195.	2.6	6
142	Preparation and Characterization of Forest Waste Pine Cellulosic Fiber - UF Resin Based Polymer Composites. Science and Engineering of Composite Materials, 2002, 10, 437-451.	1.4	6
143	Designing Silicaâ€Based Hybrid Polymers and Their Application in the Loading and Release of Fluorescein as a Model Drug and Diagnostic Agent. Advances in Polymer Technology, 2018, 37, 411-418.	1.7	6
144	Synthesis and Characterization of Reactive Graft Copolymers of Poly(butyl Acrylate) and Cellulose. Polymers and Polymer Composites, 2005, 13, 467-478.	1.9	5

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145	Functionalized Polyacrylonitrile Nanofibrous Membranes for Covalent Immobilization of Glucose Oxidase. Journal of Biomedical Nanotechnology, 2015, 11, 143-149.	1.1	5
146	Electrochemical properties of enclosed silicon nanopowder electrode inserted in integrated TiO 2 nanotubes grown on titanium for Li-ion battery. Electrochimica Acta, 2016, 215, 674-681.	5.2	5
147	New glucosamine Schiff base grafted poly(acrylic acid) as efficient Cu2+ ions adsorbent and antimicrobial agent. Journal of Environmental Chemical Engineering, 2018, 6, 5970-5979.	6.7	5
148	Functionalization of Tetracycline and Evaluation of Its Antibacterial Activity Including Against Resistant Bacteria. Medicinal Chemistry, 2014, 11, 86-93.	1.5	5
149	Electrochemical Properties of Electrode Comprising of Si Nanopowder Inserted in an Enclosed Structure in C-Coated AAO by Using a Facile Method. IEEE Nanotechnology Magazine, 2015, 14, 1040-1045.	2.0	4
150	New Nanoaggregates of Crosslinked Laccase for Reactive Red Bioremediation. Journal of Nanoscience and Nanotechnology, 2019, 19, 7205-7214.	0.9	4
151	Synthesis of ethyl propionate catalyzed by poly(N-AEAAm-co-AAc)-cl-MBAm hydrogel-immobilized lipase ofBacillus coagulans MTCC-6375. Journal of Applied Polymer Science, 2007, 105, 1437-1443.	2.6	3
152	Polysulfobetaines as extractants for Sr(II) ions from its aqueous solutions. Polymers for Advanced Technologies, 2011, 22, 1794-1801.	3.2	3
153	Antimicrobial properties of bio-inspired poly(4-vinyl-2-pyridone) and itsN-alkylated cationic derivatives. Polymer International, 2017, 66, 119-125.	3.1	3
154	Effect of Carbon Coating and Magnesium Doping on Electrochemical Properties of LiFePO4 for Lithium Ion Batteries. Science of Advanced Materials, 2017, 9, 1266-1271.	0.7	3
155	Stabilization of Uricase by Immobilization on Poly(Acrylic Acid)-Based Nanogels for Therapeutic and Sensing Applications. Science of Advanced Materials, 2017, 9, 1280-1284.	0.7	3
156	Radiochemical Graft Copolymerisation of 2-Hydroxy Ethylmethacrylate onto Polyamide-6, 6-Nylon. Defence Science Journal, 2000, 50, 425-433.	0.8	3
157	Effect of Nanogel Structure and Reaction Parameters on Activity of Immobilized Glucose Oxidase. Current Catalysis, 2013, 2, 225-236.	0.5	3
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