

Ghanshyam S Chauhan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	New efficient poly(acrylic acid)-based bifunctional Cu ²⁺ ions adsorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128090.	4.7	1
2	Functionalization of nanocellulose to quaternized nanocellulose tri-iodide and its evaluation as an antimicrobial agent. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 1007-1014.	7.5	11
3	Highly Selective and Rapid Naked-Eye Colorimetric Sensing and Fluorescent Studies of Cu ²⁺ Ions Derived from Spherical Nanocellulose. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5290-5299.	4.4	15
4	Etherified Moringa oleifera gum as rapid and effective dye adsorbents. <i>Chemical Engineering Journal</i> , 2020, 387, 124055.	12.7	25
5	Gelatin-based mesoporous hybrid materials for Hg ²⁺ ions removal from aqueous solutions. <i>Separation and Purification Technology</i> , 2020, 239, 116513.	7.9	20
6	Improving activity and stabilization of urease by crosslinking to nanoaggregate forms for herbicide degradation. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 521-529.	7.5	7
7	New crosslinked poly(ionic liquids) networks as As(V) extractants. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103154.	6.7	1
8	New Nanoaggregates of Crosslinked Laccase for Reactive Red Bioremediation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7205-7214.	0.9	4
9	Enhanced catalytic activity of new acryloyl crosslinked cellulose dialdehyde-nitrilase Schiff base and its reduced form for nitrile hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 117-126.	7.5	12
10	New glucose oxidase-immobilized stimuli-responsive dextran nanoparticles for insulin delivery. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 968-978.	7.5	62
11	Green synthesis of Moringa oleifera gum-based bifunctional polyurethane foam braced with ash for rapid and efficient dye removal. <i>Chemical Engineering Journal</i> , 2019, 361, 1586-1596.	12.7	66
12	L-Cysteine functionalized bagasse cellulose nanofibers for mercury(II) ions adsorption. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 728-736.	7.5	72
13	Functionalization of Moringa oleifera gum for use as Hg ²⁺ ions adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1805-1813.	6.7	39
14	Designing Silica-Based Hybrid Polymers and Their Application in the Loading and Release of Fluorescein as a Model Drug and Diagnostic Agent. <i>Advances in Polymer Technology</i> , 2018, 37, 411-418.	1.7	6
15	New spherical nanocellulose and thiol-based adsorbent for rapid and selective removal of mercuric ions. <i>Chemical Engineering Journal</i> , 2018, 331, 587-596.	12.7	124
16	New glucosamine Schiff base grafted poly(acrylic acid) as efficient Cu ²⁺ ions adsorbent and antimicrobial agent. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5970-5979.	6.7	5
17	Titania-Gelatin-Based Nanohybrids: A Versatile Material for Removal of Organic Dyes (Congo Red, Tj ETQq1 1 0.784314 rgBT /Over 2018, , 147-176.	0.6	0
18	Spherical nanocellulose-based highly efficient and rapid multifunctional naked-eye Cr(VI) ion chemosensor and adsorbent with mild antimicrobial properties. <i>Chemical Engineering Journal</i> , 2018, 349, 146-155.	12.7	18

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19	A new hemicellulose-based adsorbent for malachite green. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3889-3897.	6.7	49
20	Nanoparticles of oxidized-cellulose synthesized by green method. <i>Materials Science for Energy Technologies</i> , 2018, 1, 22-28.	1.8	20
21	Preparation, characterization and trifluralin degradation of laccase-modified cellulose nanofibers. <i>Materials Science for Energy Technologies</i> , 2018, 1, 29-37.	1.8	20
22	Synthesis of a PEGylated Dopamine Ester with Enhanced Antibacterial and Antifungal Activity. <i>ACS Omega</i> , 2018, 3, 7925-7933.	3.5	47
23	Fractionation and physicochemical characterization of lignin from waste jute bags: Effect of process parameters on yield and thermal degradation. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 403-410.	7.5	29
24	New modified poly(vinylamine)-gels as selective and efficient Hg ²⁺ ions adsorbents. <i>Chemical Engineering Journal</i> , 2017, 316, 978-987.	12.7	33
25	New crosslinked hydrazide-based polymers as Cr(VI) ions adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5815-5826.	6.7	13
26	Thiourea functionalized β -cyclodextrin as green reducing and stabilizing agent for silver nanocomposites with enhanced antimicrobial and antioxidant properties. <i>New Journal of Chemistry</i> , 2017, 41, 12645-12654.	2.8	12
27	Antimicrobial properties of bio-inspired poly(4-vinyl-2-pyridone) and its <i>N</i> -alkylated cationic derivatives. <i>Polymer International</i> , 2017, 66, 119-125.	3.1	3
28	Silica-polymer hybrid materials as methylene blue adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 103-113.	6.7	45
29	Effect of Carbon Coating and Magnesium Doping on Electrochemical Properties of LiFePO ₄ for Lithium Ion Batteries. <i>Science of Advanced Materials</i> , 2017, 9, 1266-1271.	0.7	3
30	Stabilization of Uricase by Immobilization on Poly(Acrylic Acid)-Based Nanogels for Therapeutic and Sensing Applications. <i>Science of Advanced Materials</i> , 2017, 9, 1280-1284.	0.7	3
31	New Poly(Acrylic Acid)-Based Functional Nanogels as Supports of Lipase: Evaluation of Hydrolytic Activity of the Immobilized Lipase. <i>Current Catalysis</i> , 2016, 5, 35-43.	0.5	0
32	Novel cellulose nanowhiskers-based polyurethane foam for rapid and persistent removal of methylene blue from its aqueous solutions. <i>Chemical Engineering Journal</i> , 2016, 304, 728-736.	12.7	133
33	Sulfur Encapsulated Porous Rattle-Type Carbon Sphere as Cathode Material for Lithium Sulfur Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10730-10734.	0.9	2
34	New silica-titania based polymeric hybrid materials for the removal of Cu(II) ions from their aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2518-2528.	6.7	9
35	New lignin-based polyurethane foam for wastewater treatment. <i>RSC Advances</i> , 2016, 6, 77768-77776.	3.6	46
36	Chitosan-thiomer stabilized silver nano-composites for antimicrobial and antioxidant applications. <i>RSC Advances</i> , 2016, 6, 75453-75464.	3.6	25

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37	Electrochemical properties of enclosed silicon nanopowder electrode inserted in integrated TiO ₂ nanotubes grown on titanium for Li-ion battery. <i>Electrochimica Acta</i> , 2016, 215, 674-681.	5.2	5
38	Extraction and functionalization of bagasse cellulose nanofibres to Schiff-base based antimicrobial membranes. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 887-894.	7.5	56
39	Crosslinked cellulose dialdehyde for Congo red removal from its aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1126-1136.	6.7	52
40	Nanostructured nitrogen-doped mesoporous carbon derived from polyacrylonitrile for advanced lithium sulfur batteries. <i>Applied Surface Science</i> , 2016, 380, 151-158.	6.1	45
41	An Efficient and Regenerable Quaternary Starch for Removal of Nitrate from Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2507-2519.	3.7	33
42	Cellulase stabilization by crosslinking with ethylene glycol dimethacrylate and evaluation of its activity including in a water-ionic liquid mixture. <i>RSC Advances</i> , 2016, 6, 25485-25491.	3.6	10
43	Bio-waste derived dialdehyde cellulose ethers as supports for α -chymotrypsin immobilization. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 227-237.	7.5	19
44	Quantitative estimation of poly(methyl methacrylate) nano-fiber membrane diameter by artificial neural networks. <i>European Polymer Journal</i> , 2016, 74, 91-100.	5.4	22
45	Effect of Nano-Sized Ceramic Fillers on the Performance of Polymer Electrolytes Based on Electrospun Polyacrylonitrile Nanofibrous Membrane for Lithium Ion Batteries. <i>Science of Advanced Materials</i> , 2016, 8, 741-748.	0.7	10
46	Gallic acid-based alkyl esters synthesis in a water-free system by celite-bound lipase of <i>Bacillus acillus licheniformis</i> SCD 11501. <i>Biotechnology Progress</i> , 2015, 31, 715-723.	2.6	18
47	Nitrogen-Doped Mesoporous Carbon: A Top-Down Strategy to Promote Sulfur Immobilization for Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2015, 8, 3234-3241.	6.8	45
48	Tailoring Effect of Alkyl Chain Length and Counter Anion on Antimicrobial Behavior of Vinyl Pyridine-based Cationic Polymers. <i>Anti-Infective Agents</i> , 2015, 13, 78-86.	0.4	7
49	Removal/Dissolution of Mineral Scale Deposits. , 2015, , 701-720.		9
50	Production and Characterization of Biodiesel Using Nonedible Castor Oil by Immobilized Lipase from <i>Bacillus aerius</i> . <i>BioMed Research International</i> , 2015, 2015, 1-6.	1.9	33
51	Functionalized Polyacrylonitrile Nanofibrous Membranes for Covalent Immobilization of Glucose Oxidase. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 143-149.	1.1	5
52	Electrochemical Properties of Electrode Comprising of Si Nanopowder Inserted in an Enclosed Structure in C-Coated AAO by Using a Facile Method. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 1040-1045.	2.0	4
53	Efficient method of starch functionalization to bis-quaternary structure unit. <i>International Journal of Biological Macromolecules</i> , 2015, 80, 498-505.	7.5	18
54	A green and highly efficient sulfur functionalization of starch. <i>RSC Advances</i> , 2015, 5, 51762-51772.	3.6	23

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55	Synthesis of crosslinked lipase aggregates and their use in the synthesis of aspirin. <i>Chemical Engineering Research and Design</i> , 2015, 97, 159-164.	5.6	15
56	Comparative Study of Free and Immobilized Lipase from <i>Bacillus aerius</i> and its Application in Synthesis of Ethyl Ferulate. <i>Journal of Oleo Science</i> , 2014, 63, 911-919.	1.4	17
57	Evaluation of nanogels as supports for enzyme immobilization. <i>Polymer International</i> , 2014, 63, 1889-1894.	3.1	26
58	Synthesis of alkyl coumarate esters by celite-bound lipase of <i>Bacillus licheniformis</i> SCD11501. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 101, 80-86.	1.8	18
59	Designing a cost-effective and dual-functional muslin-based anion exchanger for defluoridation. <i>Desalination and Water Treatment</i> , 2014, 52, 6792-6801.	1.0	1
60	A new guar gum-based adsorbent for the removal of Hg(II) from its aqueous solutions. <i>Carbohydrate Polymers</i> , 2014, 106, 276-282.	10.2	39
61	Star-shaped polymers of bio-inspired algae core and poly(acrylamide) and poly(acrylic acid) as arms in dissolution of silica/silicate. <i>Water Research</i> , 2014, 56, 225-233.	11.3	13
62	Grafting of GMA and some comonomers onto chitosan for controlled release of diclofenac sodium. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 368-376.	7.5	32
63	Gelatin-Silica-Based Hybrid Materials as Efficient Candidates for Removal of Chromium(VI) from Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4838-4849.	3.7	31
64	New Cellulose-Lysine Schiff-Base-Based Sensor Adsorbent for Mercury Ions. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5908-5917.	8.0	188
65	Modified chitosan microspheres in non-aggregated amylase immobilization. <i>International Journal of Biological Macromolecules</i> , 2014, 66, 46-51.	7.5	23
66	Effect of carbon coating methods on structural characteristics and electrochemical properties of carbon-coated lithium iron phosphate. <i>Solid State Ionics</i> , 2014, 262, 25-29.	2.7	11
67	Functionalization of Tetracycline and Evaluation of Its Antibacterial Activity Including Against Resistant Bacteria. <i>Medicinal Chemistry</i> , 2014, 11, 86-93.	1.5	5
68	Polymer-modified bitumen of recycled LDPE and maleated bitumen. <i>Journal of Applied Polymer Science</i> , 2013, 127, 67-78.	2.6	60
69	Preparation and characterization of pH-responsive guar gum microspheres. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 636-641.	7.5	37
70	Effect of activated crumb rubber on the properties of crumb rubber-modified bitumen. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2821-2831.	2.6	31
71	Immobilization of Urease onto New Nanogels. <i>Current Catalysis</i> , 2013, 2, 122-129.	0.5	2
72	Effect of Nanogel Structure and Reaction Parameters on Activity of Immobilized Glucose Oxidase. <i>Current Catalysis</i> , 2013, 2, 225-236.	0.5	3

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73	Modified pectin-based polymers as green antiscalants for calcium sulfate scale inhibition. <i>Desalination</i> , 2012, 305, 31-37.	8.2	59
74	Electrochemical properties of lithium polymer batteries with doped polyaniline as cathode material. <i>Materials Research Bulletin</i> , 2012, 47, 2815-2818.	5.2	23
75	Synthesis, characterization, and swelling studies of guar gum-based pH, temperature, and salt responsive hydrogels. <i>Journal of Applied Polymer Science</i> , 2012, 126, E260.	2.6	20
76	Strontium(II) ion uptake on poly(vinyl imidazole)-based hydrogels. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3721-3727.	2.6	9
77	Sound Speed and Density Studies of Interactions Between Cationic Surfactants and Aqueous Gelatin Solution. <i>International Journal of Thermophysics</i> , 2012, 33, 279-288.	2.1	12
78	Evaluation of a New Proline-Based Polymer Monolith as Catalyst in Mannich-Type Reaction. <i>Current Catalysis</i> , 2012, 1, 206-214.	0.5	1
79	Polysulfobetaines as extractants for Sr(II) ions from its aqueous solutions. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1794-1801.	3.2	3
80	Adsorption capacity, kinetics, and mechanism of copper(II) uptake on gelatin-based hydrogels. <i>Journal of Applied Polymer Science</i> , 2011, 119, 363-370.	2.6	13
81	Synthesis of medically important ethyl cinnamate ester by porcine pancreatic lipase immobilized on poly(AAc-co-HPMA-cl-EGDMA) hydrogel. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2674-2679.	2.6	11
82	Kinetics study of invertase covalently linked to a new functional nanogel. <i>Bioresource Technology</i> , 2011, 102, 2177-2184.	9.6	26
83	Uranyl ions uptake on poly(AAc/AAm)-cl-N,N-MBAAm hydrogel. <i>Polymer Bulletin</i> , 2010, 64, 363-374.	3.3	11
84	Electrochemical performance of electrospun poly(vinylidene fluoride-co-hexafluoropropylene)-based nanocomposite polymer electrolytes incorporating ceramic fillers and room temperature ionic liquid. <i>Electrochimica Acta</i> , 2010, 55, 1347-1354.	5.2	141
85	Tuning anti-microbial activity of poly(4-vinyl 2-hydroxyethyl pyridinium) chloride by anion exchange reactions. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 717-724.	3.6	32
86	Anion effects on anti-microbial activity of poly[1-vinyl-3-(2-sulfoethyl imidazolium betaine)]. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 90-96.	9.4	46
87	Extraction and characterization of pectin from apple pomace and its evaluation as lipase (steapsin) inhibitor. <i>Carbohydrate Polymers</i> , 2010, 82, 454-459.	10.2	181
88	Ionic liquid-based gel polymer electrolyte for LiMn _{0.4} Fe _{0.6} PO ₄ cathode prepared by electrospinning technique. <i>Electrochimica Acta</i> , 2010, 55, 1366-1372.	5.2	32
89	Proline-based polymeric monoliths: Synthesis, characterization, and applications as organocatalysts in aldol reaction. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1007-1015.	2.3	7
90	Separation of Uranyl Ions on Starch-Based Functional Hydrogels: Mechanism and Kinetics. <i>Separation Science and Technology</i> , 2010, 46, 172-178.	2.5	7

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91	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
92	Novel Polycarboxylated Starch-Based Sorbents for Cu ²⁺ Ions. Industrial & Engineering Chemistry Research, 2010, 49, 2548-2556.	3.7	41
93	Hydroxypropylation of cellulose isolated from bamboo (<i>Dendrocalamus strictus</i>) with respect to hydroxypropoxyl content and rheological behavior of the hydroxypropyl cellulose. Journal of Applied Polymer Science, 2009, 113, 2450-2455.	2.6	19
94	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
95	Electrochemical properties of rechargeable organic radical battery with PTMA cathode. Metals and Materials International, 2009, 15, 77-82.	3.4	53
96	Removal of As(V) from water by pectin based active hydrogels following geochemical approach. Bioresource Technology, 2009, 100, 1474-1477.	9.6	17
97	Synthesis and characterization of novel guar gum hydrogels and their use as Cu ²⁺ sorbents. Bioresource Technology, 2009, 100, 3599-3603.	9.6	79
98	Effect of synthetic conditions on the electrochemical properties of LiMn _{0.4} Fe _{0.6} PO ₄ /C synthesized by sol-gel technique. Journal of Power Sources, 2009, 189, 391-396.	7.8	49
99	Effect of firing temperature on the electrochemical performance of LiMn _{0.4} Fe _{0.6} PO ₄ /C materials prepared by mechanical activation. Journal of Power Sources, 2009, 189, 59-65.	7.8	32
100	Study in sorption of Cr ⁶⁺ and NO ₃ ⁻ on poly (2-acrylamido-2-methylpropane-1-sulfonic acid) hydrogels. Desalination, 2009, 239, 1-9.	8.2	25
101	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
102	Electrochemical properties of new organic radical materials for lithium secondary batteries. Journal of Power Sources, 2008, 184, 503-507.	7.8	45
103	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
104	Short-chain ester synthesis by transesterification employing poly (MA-co-DMA-co-MBAm) hydrogel-bound lipase of <i>Bacillus coagulans</i> MTCC-6375. Journal of Applied Polymer Science, 2008, 109, 1063-1071.	2.6	22
105	Solvent free biocatalytic synthesis of vinyl monomers by lipase immobilized on hydrogels. Journal of Applied Polymer Science, 2008, 108, 3200-3209.	2.6	2
106	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
107	Synthesis, characterization, and swelling studies of pH- and thermosensitive hydrogels for specialty applications. Journal of Applied Polymer Science, 2008, 109, 47-55.	2.6	22
108	Synthesis of geranyl butyrate with the poly(acrylic acid-co-hydroxy propyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (methaeruginosa) MTCC-4713. Journal of Applied Polymer Science, 2008, 110, 2681-2692.	2.6	30

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109	Surface-modified maghemite as the cathode material for lithium batteries. <i>Journal of Power Sources</i> , 2008, 184, 527-531.	7.8	22
110	Novel electrospun poly(vinylidene fluoride-co-hexafluoropropylene) "in situ SiO ₂ composite membrane-based polymer electrolyte for lithium batteries. <i>Journal of Power Sources</i> , 2008, 184, 437-443.	7.8	138
111	Glutaraldehyde activation of polymer Nylon-6 for lipase immobilization: Enzyme characteristics and stability. <i>Bioresource Technology</i> , 2008, 99, 2566-2570.	9.6	100
112	A study in the adsorption of Fe ²⁺ and NO ₃ ⁻ on pine needles based hydrogels. <i>Bioresource Technology</i> , 2008, 99, 6464-6470.	9.6	36
113	Enhancement of electrochemical performance of lithium iron phosphate by controlled sol-gel synthesis. <i>Electrochimica Acta</i> , 2008, 53, 8258-8264.	5.2	131
114	Enzymatic synthesis of isopropyl myristate using immobilized lipase from <i>Bacillus cereus</i> MTCC 8372. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2008, 55, 327-342.	0.8	25
115	Designing acrylamide- and methacrylate-based novel supports for lipase immobilization. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3006-3016.	2.6	7
116	Properties of poly(AAc-co-HPMA-cl-EGDMA) hydrogel-bound lipase of <i>Pseudomonas aeruginosa</i> MTCC-4713 and its use in synthesis of methyl acrylate. <i>Journal of Applied Polymer Science</i> , 2007, 104, 183-191.	2.6	20
117	Synthesis of ethyl propionate catalyzed by poly(N-AEAAm-co-AAc)-cl-MBAm hydrogel-immobilized lipase of <i>Bacillus coagulans</i> MTCC-6375. <i>Journal of Applied Polymer Science</i> , 2007, 105, 1437-1443.	2.6	3
118	A study on the sorption of NO ₃ ⁻ and Fe ²⁺ on the carboxymethylated starch-based hydrogels loaded with Fe ²⁺ ions. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1924-1931.	2.6	10
119	Pectin and acrylamide based hydrogels for environment management technologies: Synthesis, characterization, and metal ions sorption. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2158-2168.	2.6	26
120	Synthesis, characterization and swelling responses of pH sensitive psyllium and polyacrylamide based hydrogels for the use in drug delivery (I). <i>Carbohydrate Polymers</i> , 2007, 67, 190-200.	10.2	102
121	The release dynamics of salicylic acid and tetracycline hydrochloride from the psyllium and polyacrylamide based hydrogels (II). <i>Carbohydrate Polymers</i> , 2007, 67, 559-565.	10.2	54
122	Functionalization of pine needles by carboxymethylation and network formation for use as supports in the adsorption of Cr ⁶⁺ . <i>Carbohydrate Polymers</i> , 2007, 70, 415-421.	10.2	23
123	Enhancement of Ethyl Propionate Synthesis by poly (AAc-co-HPMA-cl-MBAm)-immobilized <i>Pseudomonas aeruginosa</i> MTCC-4713, Exposed to Hg ²⁺ and NH ₄ ⁺ ions. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2006, 53, 195-207.	0.8	12
124	Use of biopolymers and acrylamide-based hydrogels for sorption of Cu ²⁺ , Fe ²⁺ and Cr ⁶⁺ ions from their aqueous solutions. <i>Desalination</i> , 2006, 197, 75-81.	8.2	47
125	Metal ion sorption and swelling studies of psyllium and acrylic acid based hydrogels. <i>Carbohydrate Polymers</i> , 2006, 64, 50-56.	10.2	57
126	Post functionalization of carboxymethylated starch and acrylonitrile based networks through amidoximation for use as ion sorbents. <i>Carbohydrate Polymers</i> , 2006, 66, 435-443.	10.2	32

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127	The release dynamics of model drugs from the psyllium and N-hydroxymethylacrylamide based hydrogels. <i>International Journal of Pharmaceutics</i> , 2006, 325, 15-25.	5.2	48
128	Synthesis and characterization of acrylamide and 2-hydroxypropyl methacrylate hydrogels for specialty applications. <i>Journal of Applied Polymer Science</i> , 2006, 99, 3040-3049.	2.6	16
129	Characteristics of poly(AAc5-co-HPMA3-cl-EGDMA15) hydrogel-immobilized lipase of <i>Pseudomonas aeruginosa</i> MTCC-4713. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4636-4644.	2.6	14
130	Methacrylic acid and dodecyl methacrylate (MAc-DMA) hydrogel for enhanced catalytic activity of lipase of <i>Bacillus coagulans</i> MTCC-6375. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1420-1426.	2.6	11
131	A study of the synthesis, kinetics, and characterization of reactive graft copolymers of poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Applied Polymer Science</i> , 2006, 100, 1522-1530.	2.6	11
132	Catalytic potential of a poly(AAc-co-HPMA-cl MBAm)-matrix-immobilized lipase from a thermotolerant <i>Pseudomonas aeruginosa</i> MTCC-4713. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4252-4259.	2.6	2
133	Sorption of some metal ions on cellulosic-based hydrogels. <i>Desalination</i> , 2005, 181, 217-224.	8.2	36
134	Synthesis, characterization and metal ion sorption studies of graft copolymers of cellulose with glycidyl methacrylate and some comonomers. <i>Cellulose</i> , 2005, 12, 97-110.	4.9	68
135	Synthesis and characterization of N-vinyl pyrrolidone and cellulose based functional graft copolymers for use as metal ions and iodine sorbents. <i>Journal of Applied Polymer Science</i> , 2005, 98, 373-382.	2.6	22
136	Effect of Solvents and Kinetic Parameters on Synthesis of Ethyl Propionate Catalysed by Poly (AAc-co-HPMA-cl-MBAm)-Matrix-Immobilized Lipase of <i>Pseudomonas aeruginosa</i> BTS-2.. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 1037-1044.	3.6	26
137	Synthesis, characterization and metal ion sorption studies of graft copolymers of cellulose with glycidyl methacrylate and some comonomers. <i>Cellulose</i> , 2005, 12, 97-110.	4.9	70
138	Graft Copolymers of Poly(methyl methacrylate) on Cellulose and Their Use as Supports in Metal Ion Sorption. <i>Polymers and Polymer Composites</i> , 2005, 13, 105-116.	1.9	9
139	Synthesis and Characterization of Reactive Graft Copolymers of Poly(butyl Acrylate) and Cellulose. <i>Polymers and Polymer Composites</i> , 2005, 13, 467-478.	1.9	5
140	Synthesis and Characterization of Starch and Acrylamides Based Hydrogels. <i>Polymers and Polymer Composites</i> , 2005, 13, 151-165.	1.9	1
141	Synthesis, characterization, and swelling responses of poly(N-isopropylacrylamide)- and hydroxypropyl cellulose-based environmentally sensitive biphasic hydrogels. <i>Journal of Applied Polymer Science</i> , 2004, 91, 479-488.	2.6	18
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