

# Sagar Pal

## List of Publications by Year in descending order

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119  
papers

6,150  
citations

57631

44  
h-index

76769

74  
g-index

132  
all docs

132  
docs citations

132  
times ranked

6005  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of an amphiphilic copolymer using biopolymer-dextran <i>via</i> a combination of ROP and RAFT techniques. <i>Polymer Chemistry</i> , 2022, 13, 1394-1400.	1.9	5
2	$\beta$ -Cyclodextrin-Based Ultrahigh Stretchable, Flexible, Electro- and Pressure-Responsive, Adhesive, Transparent Hydrogel as Motion Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 17065-17080.	4.0	42
3	Amino Acid Inspired Alginate-Based pH Sensitive Polymeric Micelles via Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4432-4444.	2.0	11
4	The UCST phase transition of a dextran based copolymer in aqueous media with tunable thermoresponsive behavior. <i>Polymer Chemistry</i> , 2022, 13, 3865-3869.	1.9	7
5	pH-Responsive Copolymeric Network Gel Using Methacrylated $\beta$ -Cyclodextrin for Controlled Codelivery of Hydrophilic and Hydrophobic Drugs. <i>ACS Applied Bio Materials</i> , 2022, 5, 3530-3543.	2.3	7
6	Macromolecular selective flocculant derived from functionalized starch towards beneficiation of low-quality iron ore: Atomistic simulations and experimental studies. <i>Materials Today Communications</i> , 2022, 32, 103810.	0.9	5
7	Reversible addition fragmentation chain transfer-mediated bioconjugated amphiphilic graft-block copolymer using dextran, poly( <i>N</i> -isopropylacrylamide), and poly(vinyl acetate). <i>Journal of Applied Polymer Science</i> , 2021, 138, 50381.	1.3	6
8	Development of a highly efficient selective flocculant based on functionalized $\beta$ -cyclodextrin toward beneficiation of low-quality iron ore. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2169-2175.	1.6	3
9	In-situ deposited CdS NPs on pH induced fully exfoliated layered titanate-biopolymeric composite and its photocatalytic activity. <i>Polymer</i> , 2021, 225, 123791.	1.8	6
10	Functionalized polysaccharide-based flocculants for solid liquid separation of wastewater. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100066.	1.3	6
11	Dextran based amphiphilic self-assembled biopolymeric macromolecule synthesized via RAFT polymerization as indomethacin carrier. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 718-726.	3.6	14
12	Dual Functionalized Injectable Hybrid Extracellular Matrix Hydrogel for Burn Wounds. <i>Biomacromolecules</i> , 2021, 22, 514-533.	2.6	18
13	Reversible Addition-Fragmentation Chain Transfer-Mediated Amphiphilic Copolymeric Composite as a Nanocarrier for Drug Delivery Application. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5386-5396.	2.0	4
14	Poly( <i>N</i> -vinyl imidazole) Cross-Linked $\beta$ -Cyclodextrin Hydrogel for Rapid Hemostasis in Severe Renal Arterial Hemorrhagic Model. <i>Biomacromolecules</i> , 2021, 22, 5256-5269.	2.6	17
15	Cationically functionalized amylopectin as an efficient flocculant for treatment of coal suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124229.	2.3	15
16	Crosslinked chitosan embedded TiO <sub>2</sub> NPs and carbon dots-based nanocomposite: An excellent photocatalyst under sunlight irradiation. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3676-3686.	3.6	20
17	Opposite swelling characteristics through changing the connectivity in a biopolymeric hydrogel based on glycogen and glycine. <i>Polymer Chemistry</i> , 2020, 11, 2630-2634.	1.9	8
18	Development of a Thermoresponsive Polymeric Composite Film Using Cross-Linked $\beta$ -Cyclodextrin Embedded with Carbon Quantum Dots as a Transdermal Drug Carrier. <i>ACS Applied Bio Materials</i> , 2020, 3, 3285-3293.	2.3	20

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19	Synthesis of a novel copolymer using glycogen and poly(lactide) as a carrier of dual drugs "ornidazole and ofloxacin. Journal of Polymer Science Part A, 2019, 57, 1697-1703.	2.5	2
20	β-Cyclodextrin based pH and thermo-responsive biopolymeric hydrogel as a dual drug carrier. Materials Chemistry Frontiers, 2019, 3, 385-393.	3.2	38
21	Removal of toxic pollutants from aqueous media using poly (vinyl imidazole) crosslinked chitosan synthesised through microwave assisted technique. Journal of Colloid and Interface Science, 2019, 542, 187-197.	5.0	29
22	Development of a Novel Nanocomposite Using Polypyrrole Grafted Chitosan-Decorated CDs with Improved Photocatalytic Activity under Solar Light Illumination. ACS Sustainable Chemistry and Engineering, 2019, 7, 9416-9421.	3.2	25
23	Biopolymeric pH-responsive fluorescent gel for in-vitro and in-vivo colon specific delivery of metronidazole and ciprofloxacin. European Polymer Journal, 2019, 114, 255-264.	2.6	18
24	Novel nanocomposite derived from ZnO/CdS QDs embedded crosslinked chitosan: An efficient photocatalyst and effective antibacterial agent. Journal of Hazardous Materials, 2019, 369, 398-407.	6.5	62
25	Biopolymer dextrin and poly (vinyl acetate) based graft copolymer as an efficient corrosion inhibitor for mild steel in hydrochloric acid: Electrochemical, surface morphological and theoretical studies. Journal of Molecular Liquids, 2019, 275, 867-878.	2.3	50
26	Graft copolymeric flocculant using functionalized starch towards treatment of blast furnace effluent. International Journal of Biological Macromolecules, 2019, 125, 35-40.	3.6	33
27	Biopolymeric nanogel derived from functionalized glycogen towards targeted delivery of 5-fluorouracil. Polymer, 2018, 140, 122-130.	1.8	21
28	Synthesis of triblock copolymeric micelle based on poly (ethylene glycol) and poly (vinyl acetate) through reversible addition "fragmentation chain transfer polymerization. Journal of Colloid and Interface Science, 2018, 524, 122-128.	5.0	6
29	Grafting effect of gum acacia on mild steel corrosion in acidic medium: Gravimetric and electrochemical study. Journal of Molecular Liquids, 2018, 251, 470-479.	2.3	74
30	Biocompatible, stimuli "responsive hydrogel of chemically crosslinked β-cyclodextrin as amoxicillin carrier. Journal of Applied Polymer Science, 2018, 135, 45939.	1.3	27
31	Synthesis of RAFT "Mediated Amphiphilic Graft Copolymeric Micelle Using Dextran and Poly (Oleic Acid) toward Oral Delivery of Nifedipine. Journal of Polymer Science Part A, 2018, 56, 2354-2363.	2.5	17
32	Comparison of selective flocculation of low grade goethitic iron ore fines using natural and synthetic polymers and a graft copolymer. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 498-504.	2.4	11
33	Amphiphilic graft copolymeric micelle using dextrin and poly (N-vinyl caprolactam) via RAFT polymerization: Development and application. International Journal of Biological Macromolecules, 2018, 119, 954-961.	3.6	13
34	Single-pot biofabrication of living fibers for tissue engineering applications. Journal of Materials Research, 2018, 33, 2019-2028.	1.2	1
35	Biocompatible nanogel derived from functionalized dextrin for targeted delivery of doxorubicin hydrochloride to MG 63 cancer cells. Carbohydrate Polymers, 2017, 171, 27-38.	5.1	41
36	Anionically functionalized guar gum embedded with silica nanoparticles: An efficient nanocomposite adsorbent for rapid adsorptive removal of toxic cationic dyes and metal ions. Bioresource Technology, 2017, 225, 367-376.	4.8	57

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37	Nanocomposite hydrogel derived from poly (methacrylic acid)/carboxymethyl cellulose/AuNPs: A potential transdermal drugs carrier. <i>Polymer</i> , 2017, 120, 9-19.	1.8	33
38	Effect of chemical modification of a natural polysaccharide on its inhibitory action on mild steel in 15% HCl solution. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 2468-2489.	1.4	31
39	Cross-Linked Biopolymer Stabilized Exfoliated Titanate Nanosheet-Supported AgNPs: A Green Sustainable Ternary Nanocomposite Hydrogel for Catalytic and Antimicrobial Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1881-1891.	3.2	46
40	Amphiphilic copolymer derived from tamarind gum and poly (methyl methacrylate) via ATRP towards selective removal of toxic dyes. <i>Carbohydrate Polymers</i> , 2017, 160, 1-8.	5.1	18
41	In Situ Silver Nanowire Deposited Cross-Linked Carboxymethyl Cellulose: A Potential Transdermal Anticancer Drug Carrier. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36583-36595.	4.0	65
42	Synthesis of poly (ethylene glycol)-block-poly (acrylamide)-block-poly (lactide) amphiphilic copolymer through ATRP, ROP and click chemistry: Characterization, micellization and pH-triggered sustained release behaviour. <i>Polymer</i> , 2017, 127, 150-158.	1.8	13
43	Effect of Fe <sub>3</sub> O <sub>4</sub> NPs on micellization and release behavior of CBABC-type pentablock copolymer. <i>Polymer</i> , 2017, 133, 184-194.	1.8	6
44	Oleoyl-Chitosan-Based Nanofiber Mats Impregnated with Amniotic Membrane Derived Stem Cells for Accelerated Full-Thickness Excisional Wound Healing. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1738-1749.	2.6	36
45	Stimuli-responsive, biocompatible hydrogel derived from glycogen and poly(N-isopropylacrylamide) for colon targeted delivery of ornidazole and 5-amino salicylic acid. <i>Polymer Chemistry</i> , 2016, 7, 5426-5435.	1.9	44
46	Development of Crosslinked Chitosan/Au Nanocomposite, Its Characterization and Application towards Solar Light Driven Photocatalytic Degradation of Toxic Organic Compounds. <i>ChemistrySelect</i> , 2016, 1, 6115-6126.	0.7	9
47	Biocompatible amphiphilic microgel derived from dextrin and poly(methyl methacrylate) for dual drugs carrier. <i>Polymer</i> , 2016, 107, 282-291.	1.8	14
48	Dextrin and poly(lactide)-based biocompatible and biodegradable nanogel for cancer targeted delivery of doxorubicin hydrochloride. <i>Polymer Chemistry</i> , 2016, 7, 2965-2975.	1.9	50
49	Efficient Removal of Toxic Dyes via Simultaneous Adsorption and Solar Light Driven Photodegradation Using Recyclable Functionalized Amylopectin@TiO <sub>2</sub> @Au Nanocomposite. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1679-1688.	3.2	78
50	A biodegradable, biocompatible transdermal device derived from carboxymethyl cellulose and multi-walled carbon nanotubes for sustained release of diclofenac sodium. <i>RSC Advances</i> , 2016, 6, 19605-19611.	1.7	60
51	Synthesis of copolymer derived from tamarind kernel polysaccharide (TKP) and poly(methacrylic acid) via SI-ATRP with enhanced pH triggered dye removal. <i>RSC Advances</i> , 2016, 6, 2958-2965.	1.7	16
52	Synthesis and characterization of biodegradable copolymer derived from dextrin and poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.7	24
53	SBA-16: Application for the removal of neutral, cationic, and anionic dyes from aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 157-166.	3.3	34
54	Selective removal of toxic anionic dyes using a novel nanocomposite derived from cationically modified guar gum and silica nanoparticles. <i>Journal of Hazardous Materials</i> , 2016, 301, 127-136.	6.5	83

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55	Development and application of a nanocomposite derived from crosslinked HPMC and Au nanoparticles for colon targeted drug delivery. RSC Advances, 2015, 5, 27481-27490.	1.7	27
56	Modified biopolymer-dextrin based crosslinked hydrogels: application in controlled drug delivery. RSC Advances, 2015, 5, 25014-25050.	1.7	117
57	Dextrin and Poly(acrylic acid)-Based Biodegradable, Non-Cytotoxic, Chemically Cross-Linked Hydrogel for Sustained Release of Ornidazole and Ciprofloxacin. ACS Applied Materials & Interfaces, 2015, 7, 4791-4803.	4.0	105
58	Synthesis of glycogen and poly (acrylic acid)-based graft copolymers via ATRP and its application for selective removal of Pb <sup>2+</sup> ions from aqueous solution. European Polymer Journal, 2015, 66, 33-46.	2.6	42
59	Modified guar gum/SiO <sub>2</sub> : development and application of a novel hybrid nanocomposite as a flocculant for the treatment of wastewater. Environmental Science: Water Research and Technology, 2015, 1, 84-95.	1.2	35
60	Preparation of gold nanoparticles by a novel biodegradable graft copolymer sodium alginate-g-poly (N,N-dimethylacrylamide-co-acrylic acid) with anti micro bacterial application. European Polymer Journal, 2015, 66, 139-148.	2.6	37
61	Stimulus-Responsive, Biodegradable, Biocompatible, Covalently Cross-Linked Hydrogel Based on Dextrin and Poly( <i>N</i> -isopropylacrylamide) for in Vitro/in Vivo Controlled Drug Release. ACS Applied Materials & Interfaces, 2015, 7, 14338-14351.	4.0	117
62	Starch based biodegradable graft copolymer for the preparation of silver nanoparticles. International Journal of Biological Macromolecules, 2015, 81, 83-90.	3.6	16
63	Experimental and theoretical studies of xanthan gum and its graft co-polymer as corrosion inhibitor for mild steel in 15% HCl. Applied Surface Science, 2015, 353, 173-183.	3.1	178
64	Efficient and rapid adsorption characteristics of templating modified guar gum and silica nanocomposite toward removal of toxic reactive blue and Congo red dyes. Bioresource Technology, 2015, 191, 291-299.	4.8	102
65	Modified hydroxypropyl methyl cellulose: Efficient matrix for controlled release of 5-amino salicylic acid. International Journal of Biological Macromolecules, 2015, 77, 207-213.	3.6	11
66	Green synthesis, characterization and antibacterial activity of gold nanoparticles using hydroxyethyl starch-g-poly (methylacrylate-co-sodium acrylate): A novel biodegradable graft copolymer. Journal of Molecular Liquids, 2015, 212, 259-265.	2.3	18
67	pH Triggered superior selective adsorption and separation of both cationic and anionic dyes and photocatalytic activity on a fully exfoliated titanate layerâ€“natural polymer based nanocomposite. Chemical Communications, 2015, 51, 16057-16060.	2.2	36
68	Novel pH-responsive graft copolymer based on HPMC and poly(acrylamide) synthesised by microwave irradiation: application in controlled release of ornidazole. Cellulose, 2015, 22, 313-327.	2.4	14
69	Covalent cross-links in polyampholytic chitosan fibers enhances bone regeneration in a rabbit model. Colloids and Surfaces B: Biointerfaces, 2015, 125, 160-169.	2.5	32
70	Dextrin/poly (HEMA): pH responsive porous hydrogel for controlled release of ciprofloxacin. International Journal of Biological Macromolecules, 2015, 72, 171-178.	3.6	50
71	Modified amylopectin based flocculant for the treatment of synthetic effluent and industrial wastewaters. International Journal of Biological Macromolecules, 2015, 72, 356-363.	3.6	13
72	Efficient removal of malachite green dye using biodegradable graft copolymer derived from amylopectin and poly(acrylic acid). Carbohydrate Polymers, 2014, 111, 108-115.	5.1	78

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73	Rapid adsorptive removal of toxic Pb <sup>2+</sup> ion from aqueous solution using recyclable, biodegradable nanocomposite derived from templated partially hydrolyzed xanthan gum and nanosilica. <i>Bioresource Technology</i> , 2014, 170, 578-582.	4.8	53
74	Chitosan Derivatives Cross-Linked with Iodinated 2,5-Dimethoxy-2,5-dihydrofuran for Non-Invasive Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17926-17936.	4.0	21
75	Enhanced Removal of Methylene Blue and Methyl Violet Dyes from Aqueous Solution Using a Nanocomposite of Hydrolyzed Polyacrylamide Grafted Xanthan Gum and Incorporated Nanosilica. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4766-4777.	4.0	462
76	Dextrin crosslinked with poly(lactic acid): A novel hydrogel for controlled drug release application. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	42
77	Novel biodegradable polymeric flocculants based on cationic polysaccharides. <i>Advanced Materials Letters</i> , 2014, 5, 24-30.	0.3	22
78	Modified tamarind kernel polysaccharide: A novel matrix for control release of aspirin. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 296-300.	3.6	26
79	Hierarchically order porous lotus shaped nano-structured MnO <sub>2</sub> through MnCO <sub>3</sub> : chelate mediated growth and shape dependent improved catalytic activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10251.	5.2	66
80	Evaluation of the Flocculation Characteristics of Polyacrylamide Grafted Xanthan Gum/Silica Hybrid Nanocomposite. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 9731-9740.	1.8	57
81	Effective removal of Congo red dye from aqueous solution using modified xanthan gum/silica hybrid nanocomposite as adsorbent. <i>Bioresource Technology</i> , 2013, 144, 485-491.	4.8	221
82	Amylopectin grafted with poly (acrylic acid): Development and application of a high performance flocculant. <i>Carbohydrate Polymers</i> , 2013, 95, 753-759.	5.1	77
83	Dextrin cross linked with poly(HEMA): a novel hydrogel for colon specific delivery of ornidazole. <i>RSC Advances</i> , 2013, 3, 25340.	1.7	105
84	Acrylic acid grafted guar gum-nanosilica membranes for transdermal diclofenac delivery. <i>Carbohydrate Polymers</i> , 2013, 91, 492-501.	5.1	51
85	Amphoteric amylopectin: A novel polymeric flocculant. <i>Carbohydrate Polymers</i> , 2013, 91, 294-299.	5.1	35
86	Hydroxypropyl methyl cellulose grafted with polyacrylamide: Application in controlled release of 5-amino salicylic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 236-241.	2.5	27
87	Flocculation characteristics of polyacrylamide grafted hydroxypropyl methyl cellulose: An efficient biodegradable flocculant. <i>Chemical Engineering Journal</i> , 2013, 229, 144-152.	6.6	87
88	Polysaccharide-Based Graft Copolymers for Biomedical Applications. , 2013, , 325-345.		4
89	Synthesis and characterizing a novel polymeric flocculant based on amylopectin-graft-polyacrylamide-graft-polyacrylic acid [(AP-g-PAM)-g-PAA]. <i>Polymer Bulletin</i> , 2012, 69, 545-560.	1.7	15
90	Novel biodegradable nanocomposite based on XG-g-PAM/SiO <sub>2</sub> : Application of an efficient adsorbent for Pb <sup>2+</sup> ions from aqueous solution. <i>Bioresource Technology</i> , 2012, 119, 181-190.	4.8	142

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91	Carboxymethyl Tamarind-g-poly(acrylamide)/Silica: A High Performance Hybrid Nanocomposite for Adsorption of Methylene Blue Dye. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 15546-15556.	1.8	126
92	Synthesis and characterization of a novel polymeric hydrogel based on hydroxypropyl methyl cellulose grafted with polyacrylamide. <i>Cellulose</i> , 2012, 19, 933-945.	2.4	59
93	Tailoring carboxymethyl guar gum hydrogel with nanosilica for sustained transdermal release of diclofenac sodium. <i>Carbohydrate Polymers</i> , 2012, 87, 1532-1538.	5.1	29
94	Polymer hydrogel from carboxymethyl guar gum and carbon nanotube for sustained trans-dermal release of diclofenac sodium. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 885-893.	3.6	87
95	In-situ silica incorporated carboxymethyl tamarind: Development and application of a novel hybrid nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 1152-1159.	3.6	8
96	Flocculation properties of polyacrylamide grafted carboxymethyl guar gum (CMG-g-PAM) synthesised by conventional and microwave assisted method. <i>Journal of Hazardous Materials</i> , 2011, 192, 1580-1588.	6.5	137
97	High performance polymeric flocculant based on hydrolyzed polyacrylamide grafted tamarind kernel polysaccharide (Hyd. TKP-g-PAM). <i>Bioresource Technology</i> , 2011, 102, 2137-2139.	4.8	13
98	Microwave-initiated synthesis of polyacrylamide grafted sodium alginate: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2010, 115, 63-71.	1.3	99
99	Flocculation performance of modified chitosan in an aqueous suspension. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2592-2600.	1.3	21
100	Novel biodegradable polymeric flocculant based on polyacrylamide-grafted tamarind kernel polysaccharide. <i>Bioresource Technology</i> , 2010, 101, 9638-9644.	4.8	109
101	Microwave initiated synthesis of polyacrylamide grafted guar gum (GG-g-PAM) Characterizations and application as matrix for controlled release of 5-amino salicylic acid. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 164-170.	3.6	126
102	Microwave assisted synthesis of polyacrylamide grafted dextrin (Dxt-g-PAM): Development and application of a novel polymeric flocculant. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 623-631.	3.6	53
103	High-technology materials based on modified polysaccharides. <i>Pure and Applied Chemistry</i> , 2009, 81, 525-547.	0.9	63
104	Carboxymethyl guar: Its synthesis and macromolecular characterization. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2630-2636.	1.3	37
105	A novel polymeric biomaterial based on carboxymethylstarch and its application in controlled drug release. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2798-2805.	1.3	29
106	A novel polymeric flocculant based on polyacrylamide grafted carboxymethylstarch. <i>Carbohydrate Polymers</i> , 2009, 77, 822-831.	5.1	170
107	Microwave initiated synthesis of polyacrylamide grafted carboxymethylstarch (CMS-g-PAM): Application as a novel matrix for sustained drug release. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 48-55.	3.6	89
108	Cationic tamarind kernel polysaccharide (Cat TKP): A novel polymeric flocculant for the treatment of textile industry wastewater. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 518-523.	3.6	42

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109	Polyacrylamide Grafted Carboxymethyl Tamarind (CMTA-g-PAM): Development and Application of a Novel Polymeric Flocculant. <i>Macromolecular Symposia</i> , 2009, 277, 100-111.	0.4	53
110	Settling rates for flocculation of iron and manganese ore-containing suspensions by cationic glycogen. <i>Polymer Engineering and Science</i> , 2008, 48, 1892-1896.	1.5	14
111	Characterization of cationic starch: An efficient flocculating agent. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2674-2681.	1.3	22
112	Carboxymethyl tamarind: Synthesis, characterization and its application as novel drug delivery agent. <i>Journal of Applied Polymer Science</i> , 2008, 110, 392-400.	1.3	73
113	High performance flocculating agents based on cationic polysaccharides in relation to coal fine suspension. <i>Carbohydrate Polymers</i> , 2008, 74, 590-596.	5.1	42
114	Synthesis and characterization of cationic guar gum: A high performance flocculating agent. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3240-3245.	1.3	74
115	A model of flocculation. <i>Materials Letters</i> , 2007, 61, 4381-4384.	1.3	97
116	Synthesis, characterization and flocculation characteristics of cationic glycogen: A novel polymeric flocculant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 289, 193-199.	2.3	65
117	A High Performance Flocculating Agent and Viscosifiers Based On Cationic Guar Gum. <i>Macromolecular Symposia</i> , 2006, 242, 227-234.	0.4	30
118	Investigation On Flocculation Characteristics Of Cationic Polysaccharides: Novel Polymeric Flocculants. <i>Materials Research Innovations</i> , 2005, 9, 55-56.	1.0	3
119	Cationic starch: an effective flocculating agent. <i>Carbohydrate Polymers</i> , 2005, 59, 417-423.	5.1	314