Jun-ichi Kadokawa

List of Publications by Year
in descending order

229 papers	6,344 citations	76326 40 h-index	98798 67 g-index
237 all docs	237 docs citations	237 times ranked	4504 citing authors

#	Article	IF	Citations
1	Preparation of cellulosic soft and composite materials using ionic liquid media and ion gels. Cellulose, 2022, 29, 2745-2754.	4.9	7
2	Synthesis of thermoplastic chitin hexanoate-graft-poly(Îµ-caprolactone). Carbohydrate Polymers, 2022, 280, 119024.	10.2	1
3	Hydrophobic Polysaccharides: Partially 2â€Deoxygenated Amyloses. Asian Journal of Organic Chemistry, 2022, 11, .	2.7	7
4	Hydrogelation from Scaled-Down Chitin Nanofibers by Reductive Amination of Monosaccharide Residues. Journal of Fiber Science and Technology, 2022, 78, 10-17.	0.4	2
5	Glucan phosphorylase-catalyzed enzymatic synthesis of unnatural oligosaccharides and polysaccharides using nonnative substrates. Polymer Journal, 2022, 54, 413-426.	2.7	9
6	Application of ionic liquids for the functional materialization of chitin. Materials Advances, 2022, 3, 3355-3364.	5.4	12
7	Surface derivatization and grafting on self-assembled chitin nanofibers for modification, functionalization, and application. , 2022, , 187-202.		0
8	Hydrophobization of Carboxymethyl Cellulose by Enzymatic Grafting of Partially 2-Deoxygenated Amyloses. Chemistry Letters, 2022, 51, 646-649.	1.3	2
9	Preparation of Amylose-Oligo[(R)-3-hydroxybutyrate] Inclusion Complex by Vine-Twining Polymerization. Molecules, 2021, 26, 2595.	3.8	3
10	Preparation and gelation behaviors of poly(2-oxazoline)-grafted chitin nanofibers. Carbohydrate Polymers, 2021, 259, 117709.	10.2	4
11	Thermostable Î±-Glucan Phosphorylase-catalyzed Enzymatic Chain-elongation to Produce 6-Deoxygenated Î±(1Î³4)-Oligoglucans. Current Organic Chemistry, 2021, 25, .	1.6	4
12	Preparation of Nanochitin/Polystyrene Composite Particles by Pickering Emulsion Polymerization Using Scaled-Down Chitin Nanofibers. Coatings, 2021, 11, 672.	2.6	8
13	Fabrication of highly flexible nanochitin film and its composite film with anionic polysaccharide. Carbohydrate Polymers, 2021, 270, 118369.	10.2	14
14	Synthesis of mixed chitin esters with long fatty and bulky acyl substituents in ionic liquid. International Journal of Biological Macromolecules, 2021, 190, 763-768.	7.5	8
15	Preparation of Composite Materials from Self-Assembled Chitin Nanofibers. Polymers, 2021, 13, 3548.	4.5	5
16	Fabrication of cationized chitin nanofiber-reinforced xanthan gum hydrogels. Polymer Bulletin, 2020, 77, 4095-4103.	3.3	3
17	Preparation of chitin-based fluorescent hollow particles by Pickering emulsion polymerization using functional chitin nanofibers. International Journal of Biological Macromolecules, 2020, 157, 680-686.	7.5	13
18	Thermostable Î±-Glucan Phosphorylase-Catalyzed Enzymatic Copolymerization to Produce Partially 2-Deoxygenated Amyloses. Processes, 2020, 8, 1070.	2.8	6

#	Article	IF	Citations
19	Processing techniques of chitin-based gels, blends, and composites using ionic liquids. , 2020, , 47-60.		2
20	Evaluation of artificial crystalline structure from amylose analog polysaccharide without hydroxy groups at C-2 position. Carbohydrate Polymers, 2020, 240, 116347.	10.2	9
21	Fabricating Chitin Paper from Self-Assembled Nanochitins. ACS Sustainable Chemistry and Engineering, 2020, 8, 8402-8408.	6.7	8
22	Facile production of cellulosic organic solutions and organogels from ionic liquid media. Colloid and Polymer Science, 2020, 298, 1129-1134.	2.1	4
23	Synthesis of Amylosic Supramolecular Materials by Glucan Phosphorylase-Catalyzed Enzymatic Polymerization According to the Vine-Twining Approach. Synlett, 2020, 31, 648-656.	1.8	8
24	Binding Affinity Evaluation of Monohydroxydinotefuran and Its Isomers to Acetylcholine Receptor. Journal of Japan Society on Water Environment, 2020, 43, 1-7.	0.4	0
25	Î±-Glucan Phosphorylase-Catalyzed Enzymatic Reactions to Precisely Synthesize Non-natural Polysaccharides. ACS Symposium Series, 2020, , 31-46.	0.5	4
26	Chemoenzymatic synthesis of carboxylate-terminated maltooligosaccharides and their use for cross-linking of chitin. International Journal of Biological Macromolecules, 2020, 159, 510-516.	7.5	6
27	Ionic liquid induces flexibility and thermoplasticity in cellulose film. Carbohydrate Polymers, 2019, 223, 115058.	10.2	30
28	Enzymatic synthesis of functional amylosic materials and amylose analog polysaccharides. Methods in Enzymology, 2019, 627, 189-213.	1.0	8
29	Preparation of Reswellable Amorphous Porous Celluloses through Hydrogelation from Ionic Liquid Solutions. Materials, 2019, 12, 3249.	2.9	10
30	Fabrication of Semiâ€crystalline Film by Hexanoylation on Selfâ€assembled Chitin Nanofibers. ChemistrySelect, 2019, 4, 797-801.	1.5	12
31	Preparation of Chitin Nanofiber-Reinforced Xanthan Gum Hydrogels. Journal of Polymers and the Environment, 2019, 27, 671-677.	5.0	6
32	Formation of microparticles from amylose-grafted poly(Î³-glutamic acid) networks obtained by thermostable phosphorylase-catalyzed enzymatic polymerization. RSC Advances, 2019, 9, 16176-16182.	3.6	7
33	Enzymatic Preparation of Supramolecular Networks Composed of Amylosic Inclusion Complexes with Grafted Guest Polymers. Journal of the Electrochemical Society, 2019, 166, B3171-B3175.	2.9	1
34	Preparation of Amylose-Carboxymethyl Cellulose Conjugated Supramolecular Networks by Phosphorylase-Catalyzed Enzymatic Polymerization. Catalysts, 2019, 9, 211.	3.5	4
35	Formation of Supramolecular Soft Materials from Amylosic Inclusion Complexes with Designed Guest Polymers Obtained by Vine-Twining Polymerization. ACS Omega, 2019, 4, 6331-6338.	3.5	3
36	Synthesis of Polysaccharides II: Phosphorylase as Catalyst. Green Chemistry and Sustainable Technology, 2019, , 47-87.	0.7	9

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37	Dissolution of Chitin in Deep Eutectic Solvents Composed of Imidazolium Ionic Liquids and Thiourea. ChemEngineering, 2019, 3, 90.	2.4	17
38	Preparation of composite and hollow particles from self-assembled chitin nanofibers by Pickering emulsion polymerization. International Journal of Biological Macromolecules, 2019, 126, 187-192.	7.5	22
39	Dissolution, derivatization, and functionalization of chitin in ionic liquid. International Journal of Biological Macromolecules, 2019, 123, 732-737.	7.5	43
40	Double helix formation from non-natural amylose analog polysaccharides. Carbohydrate Polymers, 2018, 189, 184-189.	10.2	11
41	Preparation of supramolecular network materials by means of amylose helical assemblies. Polymer, 2018, 140, 73-79.	3.8	11
42	Cellulose Crystal Dissolution in Imidazolium-Based Ionic Liquids: A Theoretical Study. Journal of Physical Chemistry B, 2018, 122, 258-266.	2.6	55
43	Enzymatic preparation of functional polysaccharide hydrogels by phosphorylase catalysis. Pure and Applied Chemistry, 2018, 90, 1045-1054.	1.9	14
44	Preparation of Cationic/Anionic Chitin Nanofiber Composite Materials. Journal of Polymers and the Environment, 2018, 26, 3540-3549.	5.0	9
45	Hierarchically controlled assemblies from amylose analog aminopolysaccharides by reductive amination: From nanoâ€•to macrostructures. Journal of Applied Polymer Science, 2018, 135, 45890.	2.6	4
46	Î±-Glucan Phosphorylase-Catalyzed Enzymatic Reactions Using Analog Substrates to Synthesize Non-Natural Oligo- and Polysaccharides. Catalysts, 2018, 8, 473.	3.5	15
47	Difference in Macroscopic Morphologies of Amylosic Supramolecular Networks Depending on Guest Polymers in Vine-Twining Polymerization. Polymers, 2018, 10, 1277.	4.5	9
48	Understanding dissolution process of chitin crystal in ionic liquids: theoretical study. Physical Chemistry Chemical Physics, 2018, 20, 20669-20677.	2.8	36
49	Facile acylation of Î±-chitin in ionic liquid. Carbohydrate Polymers, 2018, 200, 567-571.	10.2	24
50	Gel Formation from Self-assembled Chitin Nanofiber Film by Grafting of Poly(2-methyl-2-oxazoline). Chemistry Letters, 2018, 47, 949-952.	1.3	9
51	Chemoenzymatic Preparation of Amylose-Grafted Chitin Nanofiber Network Materials. Biomacromolecules, 2018, 19, 3013-3019.	5.4	14
52	(Invited) Enzymatic Preparation of Supramolecular Hydrogels by Means of Amylosic Helical Assemblies. ECS Meeting Abstracts, 2018, , .	0.0	0
53	Gel Formation by Non-covalent Cross-Linking from Amylose Through Enzymatic Polymerization. Gels Horizons: From Science To Smart Materials, 2018, , 247-274.	0.3	0
54	Gelation Behaviors of Amylosic Host-guest Supramolecular Networks Depending on Guest Polymers. ECS Meeting Abstracts, 2018, , .	0.0	0

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55	Chemoenzyamtic synthesis and self-assembling gelation behavior of amylose-grafted poly(Î³-glutamic) Tj ETQq1 1 0.784314 rgBT /Ove	7.5	17
56	Enzymatic grafting of amylose on chitin nanofibers for hierarchical construction of controlled microstructures. Polymer Chemistry, 2017, 8, 3279-3285.	3.9	8
57	Preparation and characterizations of all-biodegradable supramolecular hydrogels through formation of inclusion complexes of amylose. Polymer Bulletin, 2017, 74, 4499-4513.	3.3	5
58	Preparation and Material Application of Amylose-Polymer Inclusion Complexes by Enzymatic Polymerization Approach. Polymers, 2017, 9, 729.	4.5	18
59	Evaluation of Stability of Amylose Inclusion Complexes Depending on Guest Polymers and Their Application to Supramolecular Polymeric Materials. Biomolecules, 2017, 7, 28.	4.0	11
60	Preparation of Self-Assembled Chitin Nanofiber-Natural Rubber Composite Sheets and Porous Materials. Biomolecules, 2017, 7, 0047.	4.0	20
61	Î±-Glucan Phosphorylase: A Useful Catalyst for Precision Enzymatic Synthesis of Oligo- and Polysaccharides. Current Organic Chemistry, 2017, 21, 1192-1204.	1.6	22
62	Dynamic fabrication of amylosic supramolecular composites in an enzymatic polymerization field. , 2017, , 89-106.		0
63	Chemo-Enzymatic Synthesis of Amylose-Polylactide Inclusion Supramolecular Polymers. Journal of the Adhesion Society of Japan, 2017, 53, 170-178.	0.0	0
64	[Review: Symposium on Applied Glycoscience] Synthesis and Application of Glucan Dendrimers. Bulletin of Applied Glycoscience, 2016, 6, 109-116.	0.0	0
65	Preparation and Grafting Functionalization of Self-Assembled Chitin Nanofiber Film. Coatings, 2016, 6, 27.	2.6	15
66	Precision Synthesis of Functional Polysaccharide Materials by Phosphorylase-Catalyzed Enzymatic Reactions. Polymers, 2016, 8, 138.	4.5	37
67	Amylose Stereoselectively Includes Poly(<scp>d</scp>â€alanine) to Form Inclusion Complex in Vineâ€Twining Polymerization: A Novel Saccharideâ€"Peptide Supramolecular Conjugate. Macromolecular Chemistry and Physics, 2016, 217, 1074-1080.	2.2	6
68	Chemoenzymatic synthesis and pH-responsive properties of amphoteric block polysaccharides. Organic and Biomolecular Chemistry, 2016, 14, 6449-6456.	2.8	7
69	Synthesis of Î± (1â†'4)-linked non-natural mannoglucans by Î± -glucan phosphorylase-catalyzed enzymatic copolymerization. Carbohydrate Polymers, 2016, 151, 1034-1039.	10.2	14
70	Synthesis of multivalent sialyllactosamine-carrying glyco-nanoparticles with high affinity to the human influenza virus hemagglutinin. Carbohydrate Polymers, 2016, 153, 96-104.	10.2	32
71	Dissolution, gelation, functionalization, and material preparation of chitin using ionic liquids. Pure and Applied Chemistry, 2016, 88, 621-629.	1.9	20
72	Fabrication of cationic chitin nanofiber/alginate composite materials. International Journal of Biological Macromolecules, 2016, 91, 724-729.	7.5	13

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73	Enzymes as Green Catalysts for Precision Macromolecular Synthesis. Chemical Reviews, 2016, 116, 2307-2413.	47.7	401
74	Preparation of pHâ€Responsive Amphoteric Glycogen Hydrogels by Î±â€Glucan Phosphorylaseâ€Catalyzed Successive Enzymatic Reactions. Macromolecular Chemistry and Physics, 2015, 216, 1415-1420.	2.2	20
75	Evaluating Relative Chain Orientation of Amylose and Poly(<scp>l</scp>â€lactide) in Inclusion Complexes Formed by Vineâ€Twining Polymerization Using Primerâ€“Guest Conjugates. Macromolecular Chemistry and Physics, 2015, 216, 794-800.	2.2	21
76	Surface-Initiated Graft Atom Transfer Radical Polymerization of Methyl Methacrylate from Chitin Nanofiber Macroinitiator under Dispersion Conditions. Fibers, 2015, 3, 338-347.	4.0	12
77	Synthesis of Amylose-Polyether Inclusion Supramolecular Polymers by Vine-twining Polymerization Using Maltoheptaose-functionalized Poly(tetrahydrofuran) as a Primer-guest Conjugate. Journal of Applied Glycoscience (1999), 2015, 62, 135-141.	0.7	10
78	Fabrication and Characterization of Polysaccharide Ion Gels with Ionic Liquids and Their Further Conversion into Value-Added Sustainable Materials. Biomolecules, 2015, 5, 244-262.	4.0	67
79	Synthesis of Non-Natural Heteroaminopolysaccharides by Î±-Glucan Phosphorylase-Catalyzed Enzymatic Copolymerization: Î±(1â†’4)-Linked Glucosaminoglucans. Biomacromolecules, 2015, 16, 3989-3994.	5.4	21
80	Synthesis and gel formation of hyperbranched supramolecular polymer by vine-twining polymerization using branched primerâ€“guest conjugate. Polymer, 2015, 73, 9-16.	3.8	19
81	Acetylation of Xanthan Gum in Ionic Liquid. Journal of Polymers and the Environment, 2015, 23, 199-205.	5.0	6
82	Fabrication of porous chitin with continuous substructure by regeneration from gel with CaBr 2 Â·2H 2 O/methanol. International Journal of Biological Macromolecules, 2015, 78, 313-317.	7.5	10
83	Fabrication of nanostructured and microstructured chitin materials through gelation with suitable dispersion media. RSC Advances, 2015, 5, 12736-12746.	3.6	56
84	Synthesis of chitin and chitosan stereoisomers by thermostable Î±-glucan phosphorylase-catalyzed enzymatic polymerization of Î±-<scp>d</scp>-glucosamine 1-phosphate. Organic and Biomolecular Chemistry, 2015, 13, 4336-4343.	2.8	41
85	Preparation of Chitin Nanofiber-Reinforced Cellulose Films Through Stepwise Regenerations from Individually Prepared Ion Gels. Journal of Polymers and the Environment, 2015, 23, 348-355.	5.0	21
86	Preparation of multiformable supramolecular gels through helical complexation by amylose in vine-twining polymerization. Polymer Chemistry, 2015, 6, 6402-6408.	3.9	15
87	Enzymatic Synthesis of Non-Natural Oligo- and Polysaccharides by Phosphorylase-Catalyzed Glycosylations Using Analogue Substrates. ACS Symposium Series, 2015, , 87-99.	0.5	6
88	Hierarchically Self-Assembled Nanofiber Films from Amylose-Grafted Carboxymethyl Cellulose. Fibers, 2014, 2, 34-44.	4.0	21
89	Chemoenzymatic synthesis of functional amylosic materials. Pure and Applied Chemistry, 2014, 86, 701-709.	1.9	39
90	Mineralization of hydroxyapatite upon a unique xanthan gum hydrogel by an alternate soaking process. Carbohydrate Polymers, 2014, 102, 846-851.	10.2	52

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91	Preparation of Cellulose/Xanthan Gum Composite Films and Hydrogels Using Ionic Liquid. Journal of Polymers and the Environment, 2014, 22, 298-303.	5.0	28
92	Enzymatic Synthesis of Dendritic Amphoteric Î±â€Glucans by Thermostable Phosphorylase Catalysis. Macromolecular Bioscience, 2014, 14, 1437-1443.	4.1	22
93	Facile nanofibrillation of chitin derivatives by gas bubbling and ultrasonic treatments in water. Carbohydrate Research, 2014, 398, 25-30.	2.3	26
94	Facile preparation of chitin gels with calcium bromide dihydrate/methanol media and their efficient conversion into porous chitins. RSC Advances, 2014, 4, 5542.	3.6	14
95	In Depth Study on Solution-State Structure of Poly(lactic acid) by Vibrational Circular Dichroism. Macromolecules, 2014, 47, 5313-5319.	4.8	42
96	Surface-initiated atom transfer radical polymerization from chitin nanofiber macroinitiator film. Carbohydrate Polymers, 2014, 112, 119-124.	10.2	21
97	Preparation of chitin nanofiber-reinforced carboxymethyl cellulose films. International Journal of Biological Macromolecules, 2014, 69, 35-38.	7.5	41
98	[Review: Symposium on Applied Glycoscience] Glucan Phosphorylase-catalyzed Enzymatic Glycosylations Using Analogue Substrates of Î±-D-Glucose 1-Phosphate. Bulletin of Applied Glycoscience, 2014, 4, 160-166.	0.0	1
99	Preparation of Chitin/Cellulose Films Compatibilized with Polymeric Ionic Liquids. Journal of Polymers and the Environment, 2013, 21, 795-801.	5.0	22
100	Preparation of Galactomannan-Based Materials Compatibilized with Ionic Liquids. Journal of Polymers and the Environment, 2013, 21, 512-519.	5.0	13
101	Self-Assembling Properties of 6-<i>O</i>- and 6â€²-<i>O</i>-Alkylsucrose Mixtures Having Different Chain Lengths Under Aqueous Conditions. Journal of Carbohydrate Chemistry, 2013, 32, 259-271.	1.1	1
102	Preparation of highly flexible chitin nanofiber-graft-poly(Î³-l-glutamic acid) network film. Polymer Bulletin, 2013, 70, 3279-3289.	3.3	29
103	Synthesis of chitin-graft-polystyrene via atom transfer radical polymerization initiated from a chitin macroinitiator. Polymer Chemistry, 2013, 4, 3384.	3.9	24
104	Atom transfer radical polymerization of N-isopropylacrylamide by enzyme mimetic catalyst. Polymer, 2013, 54, 1775-1778.	3.8	23
105	Preparation of polysaccharide supramolecular films by vine-twining polymerization approach. Carbohydrate Polymers, 2013, 98, 611-617.	10.2	24
106	Synthesis of highly branched anionic Î±-glucans by thermostable phosphorylase-catalyzed Î±-glucuronylation. Carbohydrate Research, 2013, 366, 38-44.	2.3	23
107	Preparation of Self-Assembled Chitin Nanofibers by Regeneration from Ion Gels Using Calcium Halide Â· dihydrate/Methanol Solutions. Journal of Biobased Materials and Bioenergy, 2013, 7, 655-659.	0.3	43
108	Synthesis of New Polysaccharide Materials by Phosphorylase-Catalyzed Enzymatic Î±-Glycosylations Using Polymeric Glycosyl Acceptors. ACS Symposium Series, 2013, , 141-161.	0.5	7

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109	Ionic Liquid as Useful Media for Dissolution, Derivatization, and Nanomaterial Processing of Chitin. Green and Sustainable Chemistry, 2013, 03, 19-25.	1.2	65
110	Architecture of Amylose Supramolecules in Form of Inclusion Complexes by Phosphorylase-Catalyzed Enzymatic Polymerization. Biomolecules, 2013, 3, 369-385.	4.0	40
111	An Amyloseâ€Poly(<scp>l</scp>â€lactide) Inclusion Supramolecular Polymer: Enzymatic Synthesis by Means of Vineâ€Twining Polymerization Using a Primerâ€"Guest Conjugate. Macromolecular Chemistry and Physics, 2013, 214, 2829-2834.	2.2	25
112	Thermostable Î±-Glucan Phosphorylase-catalyzed Successive Î±-Mannosylations. Chemistry Letters, 2013, 42, 822-824.	1.3	19
113	Preparation of New Polysaccharide-Based Materials Using Ionic Liquids. Kobunshi Ronbunshu, 2013, 70, 520-528.	0.2	3
114	Synthesis of Non-natural Oligosaccharides by ^|^alpha;-Glucan Phosphorylase-Catalyzed Enzymatic Glycosylations Using Analogue Substrates of ^|^alpha;-D-Glucose 1-Phosphate. Trends in Glycoscience and Glycotechnology, 2013, 25, 57-69.	0.1	30
115	Preparation and Applications of Amylose Supramolecules by Means of Phosphorylase-Catalyzed Enzymatic Polymerization. Polymers, 2012, 4, 116-133.	4.5	63
116	Self-assembling Property of 6,6â€²-Di-<i>O</i>-octyltrehalose under Aqueous Conditions. Chemistry Letters, 2012, 41, 954-956.	1.3	0
117	Synthesis of 6-<i>O</i>-Hexadecyl- and 6-<i>O</i>-Octylsucroses and Their Self-Assembling Properties Under Aqueous Conditions. Journal of Carbohydrate Chemistry, 2012, 31, 659-672.	1.1	5
118	Preparation of chitin nanofiber-graft-poly(l-lactide-co-Îµ-caprolactone) films by surface-initiated ring-opening graft copolymerization. Polymer, 2012, 53, 4977-4982.	3.8	26
119	Synthesis of Amylose-Grafted Polysaccharide Materials by Phosphorylase-Catalyzed Enzymatic Polymerization. ACS Symposium Series, 2012, , 237-255.	0.5	11
120	Facile production of chitin from crab shells using ionic liquid and citric acid. International Journal of Biological Macromolecules, 2012, 50, 861-864.	7.5	83
121	Self-assembly of amylose-grafted carboxymethyl cellulose. Carbohydrate Polymers, 2012, 90, 1371-1377.	10.2	28
122	Tunable multicolour emissions of polymeric ionic films carrying proper fluorescent dye moieties. Journal of Materials Chemistry, 2012, 22, 10619.	6.7	17
123	Enzymatic Î±-glucuronylation of maltooligosaccharides using Î±-glucuronic acid 1-phosphate as glycosyl donor catalyzed by a thermostable phosphorylase from Aquifex aeolicus VF5. Carbohydrate Research, 2012, 350, 81-85.	2.3	37
124	Synthesis of poly(spiropyran)s by polycondensation and their photoisomerization behaviors. European Polymer Journal, 2012, 48, 549-559.	5.4	11
125	Facile Preparation of Chitin/Cellulose Composite Films Using Ionic Liquids. Journal of Polymers and the Environment, 2012, 20, 37-42.	5.0	38
126	Preparation of inclusion complexes composed of amylose and biodegradable poly(glycolic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (Polymer Journal, 2011, 43, 971-977.	2.7	25

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127	Chemoenzymatic synthesis and hydrogelation of amylose-grafted xanthan gums. International Journal of Biological Macromolecules, 2011, 49, 498-503.	7.5	41
128	Formation of Amyloseâ€"Poly(tetrahydrofuran) Inclusion Complexes in Ionic Liquid Media. Chemistry Letters, 2011, 40, 31-33.	1.3	25
129	Synthesis of Heteropolysaccharides Having Amylose Chains Using Phosphorylase-Catalyzed Enzymatic Polymerization. Kobunshi Ronbunshu, 2011, 68, 242-249.	0.2	15
130	FRET function of polymeric ionic liquid film containing rhodamine moieties for exhibiting emissions by excitation at wide wavelength areas. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 283-287.	3.9	19
131	Precision Polysaccharide Synthesis Catalyzed by Enzymes. Chemical Reviews, 2011, 111, 4308-4345.	47.7	206
132	Preparation of Natural Rubber/Condensed Tannin Semi-interpenetrating Polymer Network Composites by Hematin-Catalyzed Cross-Linking. Journal of Polymers and the Environment, 2011, 19, 100-105.	5.0	5
133	Preparation of chitin nanowhiskers using an ionic liquid and their composite materials with poly(vinyl alcohol). Carbohydrate Polymers, 2011, 84, 1408-1412.	10.2	154
134	Amylose's Recognition of Chirality in Polylactides on Formation of Inclusion Complexes in Vineâ€Twining Polymerization. Macromolecular Bioscience, 2011, 11, 1407-1415.	4.1	30
135	Preparation of composite materials composed of Î¹â€carrageenan and polymeric ionic liquids. Polymer Composites, 2010, 31, 799-806.	4.6	5
136	Synthesis of Amphiphilic Polyhedral Oligomeric Silsesquioxane Having a Hydrophobic Fluorescent Dye Group and Its Formation of Fluorescent Nanoparticles in Water. Chemistry Letters, 2010, 39, 1045-1047.	1.3	6
137	Preparation Method for Polysaccharide Supramolecules Using Amylose-forming Polymerization Field: Vine-Twining Polymerization. Kobunshi Ronbunshu, 2010, 67, 553-559.	0.2	3
138	Preparation of Enzymatically Recyclable Hydrogels Through the Formation of Inclusion Complexes of Amylose in a Vineâ€Twining Polymerization. Chemistry - an Asian Journal, 2010, 5, 1627-1633.	3.3	25
139	Preparation of cellulose-based ionic porous material compatibilized with polymeric ionic liquid. Polymer Bulletin, 2010, 64, 341-349.	3.3	23
140	High/low temperature operation of electric double layer capacitor utilizing acidic celluloseâ€"chitin hybrid gel electrolyte. Journal of Power Sources, 2010, 195, 6245-6249.	7.8	29
141	Polymer synthesis by enzymatic catalysis. Current Opinion in Chemical Biology, 2010, 14, 145-153.	6.1	168
142	Preparation of chitin/cellulose composite gels and films with ionic liquids. Carbohydrate Polymers, 2010, 79, 85-90.	10.2	157
143	Chemoenzymatic synthesis of amylose-grafted alginate and its formation of enzymatic disintegratable beads. Carbohydrate Polymers, 2010, 82, 394-400.	10.2	34
144	Phosphorylase-catalyzed N-formyl-Î±-glucosaminylation of maltooligosaccharides. Carbohydrate Research, 2010, 345, 631-636.	2.3	31

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145	Preparation and characterizations of functional ionic liquid-gel and hydrogel materials of xanthan gum. Journal of Materials Chemistry, 2010, 20, 5235.	6.7	67
146	Chemoenzymatic synthesis of amylose-grafted poly(vinyl alcohol). Polymer Chemistry, 2010, 1, 193-197.	3.9	17
147	Performance of Electric Double-Layer Capacitor with Acidic Celluloseâ€"Chitin Hybrid Gel Electrolyte. Journal of the Electrochemical Society, 2010, 157, A203.	2.9	43
148	Fluorescence resonance-energy-transfer in systems of Rhodamine 6G with ionic liquid showing emissions by excitation at wide wavelength areas. Chemical Communications, 2010, 46, 6359.	4.1	28
149	Preparation of guar gum-based functional materials using ionic liquid. Journal of Materials Chemistry, 2010, 20, 9220.	6.7	28
150	Novel Gelling Systems of <i>Îº</i>â€, <i>Î¹</i>â€•and <i>Î»</i>â€Carrageenans and their Composite Gels with Cellulose Using Ionic Liquid. Macromolecular Bioscience, 2009, 9, 376-382.	4.1	113
151	Chemoenzymatic Synthesis of Amyloseâ€Grafted Cellulose. Macromolecular Bioscience, 2009, 9, 450-455.	4.1	40
152	Preparation of Glycogenâ€Based Polysaccharide Materials by Phosphorylaseâ€Catalyzed Chain Elongation of Glycogen. Macromolecular Bioscience, 2009, 9, 1098-1104.	4.1	38
153	Synthesis of amphiphilic polysiloxanes and their properties for formation of nano-aggregates. Colloid and Polymer Science, 2009, 287, 577-582.	2.1	18
154	Chemoenzymatic synthesis of amylose-grafted polyacetylene by polymer reaction manner and its conversion into organogel with DMSO by cross-linking. Polymer Bulletin, 2009, 62, 291-303.	3.3	15
155	A facile preparation of composites composed of cellulose and polymeric ionic liquids by in situ polymerization of ionic liquids having acrylate groups. Polymer Composites, 2009, 30, 1837-1841.	4.6	32
156	An acidic celluloseâ€"chitin hybrid gel as novel electrolyte for an electric double layer capacitor. Electrochemistry Communications, 2009, 11, 68-70.	4.7	137
157	Preparation of celluloseâ€"starch composite gel and fibrous material from a mixture of the polysaccharides in ionic liquid. Carbohydrate Polymers, 2009, 75, 180-183.	10.2	138
158	Acetylation of Î±-chitin in ionic liquids. Carbohydrate Research, 2009, 344, 2263-2265.	2.3	59
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