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	Enzymes as Green Catalysts for Precision Macromolecular Synthesis. Chemical Reviews, 2016, 116, 2307-2413.	47.7	401
2	Precision Polysaccharide Synthesis Catalyzed by Enzymes. Chemical Reviews, 2011, 111, 4308-4345.	47.7	206
3	A facile preparation of gel materials from a solution of cellulose in ionic liquid. Carbohydrate Research, 2008, 343, 769-772.	2.3	168
4	Polymer synthesis by enzymatic catalysis. Current Opinion in Chemical Biology, 2010, 14, 145-153.	6.1	168
5	Weak gel of chitin with ionic liquid, 1-allyl-3-methylimidazolium bromide. International Journal of Biological Macromolecules, 2009, 45, 221-225.	7.5	162
6	Preparation of chitin/cellulose composite gels and films with ionic liquids. Carbohydrate Polymers, 2010, 79, 85-90.	10.2	157
7	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
8	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
9	An acidic celluloseâ€“chitin hybrid gel as novel electrolyte for an electric double layer capacitor. Electrochemistry Communications, 2009, 11, 68-70.	4.7	137
10	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
11	Preparation of cellulose-polymerized ionic liquid composite by in-situ polymerization of polymerizable ionic liquid in cellulose-dissolving solution. Carbohydrate Polymers, 2007, 69, 378-381.	10.2	96
12	Formation of an Amyloseâˆ'Polyester Inclusion Complex by Means of Phosphorylase-Catalyzed Enzymatic Polymerization of Î±-d-Glucose 1-Phosphate Monomer in the Presence of Poly(Îµ-caprolactone). Macromolecules, 2001, 34, 6536-6538.	4.8	83
13	Vine-twining polymerization: A new preparation method for well-defined supramolecules composed of amylose and synthetic polymers. Chemical Record, 2005, 5, 36-46.	5.8	83
14	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
15	Synthesis of an amyloseâ€“polymer inclusion complex by enzymatic polymerization of glucose 1-phosphate catalyzed by phosphorylase enzyme in the presence of polyTHF: a new method for synthesis of polymerâ€“polymer inclusion complexes. Chemical Communications, 2001, , 449-450.	4.1	81
16	Effects of Zinc on the New Preparation Method of Hydroxy Double Salts. Inorganic Chemistry, 1999, 38, 4211-4216.	4.0	73
17	Vine-Twining Polymerization: Amylose Twines around Polyethers to Form Amyloseâ€“Polyether Inclusion Complexes. Chemistry - A European Journal, 2002, 8, 3321.	3.3	72
18	Preparation of Inclusion Complexes between Amylose and Ester-Containing Polymers by Means of Vine-Twining Polymerization. Macromolecular Chemistry and Physics, 2003, 204, 1451-1457.	2.2	69

#	Article	IF	Citations
19	Preparation and characterizations of functional ionic liquid-gel and hydrogel materials of xanthan gum. Journal of Materials Chemistry, 2010, 20, 5235.	6.7	67
20	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
21	Ionic Liquid as Useful Media for Dissolution, Derivatization, and Nanomaterial Processing of Chitin. Green and Sustainable Chemistry, 2013, 03, 19-25.	1.2	65
22	Preparation and Applications of Amylose Supramolecules by Means of Phosphorylase-Catalyzed Enzymatic Polymerization. Polymers, 2012, 4, 116-133.	4.5	63
23	A facile method for preparation of composites composed of cellulose and a polystyrene-type polymeric ionic liquid using a polymerizable ionic liquid. Composites Science and Technology, 2008, 68, 493-498.	7.8	60
24	Acetylation of Î±-chitin in ionic liquids. Carbohydrate Research, 2009, 344, 2263-2265.	2.3	59
25	Chemoenzymatic Syntheses of Amylose-Grafted Chitin and Chitosan. Biomacromolecules, 2007, 8, 3959-3964.	5.4	56
26	Fabrication of nanostructured and microstructured chitin materials through gelation with suitable dispersion media. RSC Advances, 2015, 5, 12736-12746.	3.6	56
27	Cellulose Crystal Dissolution in Imidazolium-Based Ionic Liquids: A Theoretical Study. Journal of Physical Chemistry B, 2018, 122, 258-266.	2.6	55
28	Synthesis of nanostructured bio-related materials by hybridization of synthetic polymers with polysaccharides or saccharide residues. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 1269-1284.	3.5	54
29	Mineralization of hydroxyapatite upon a unique xanthan gum hydrogel by an alternate soaking process. Carbohydrate Polymers, 2014, 102, 846-851.	10.2	52
30	Synthesis of Hyperbranched Aminopolysaccharides. Angewandte Chemie - International Edition, 1998, 37, 2373-2376.	13.8	49
31	Preparation of Amylose/Polycarbonate Inclusion Complexes by Means of Vineâ€Twining Polymerization. Macromolecular Chemistry and Physics, 2008, 209, 1037-1042.	2.2	48
32	Preparation of Inclusion Complexes Composed of Amylose and Strongly Hydrophobic Polyesters in Parallel Enzymatic Polymerization System. Macromolecules, 2008, 41, 5665-5670.	4.8	48
33	Unique gel of xanthan gum with ionic liquid and its conversion into high performance hydrogel. Journal of Materials Chemistry, 2009, 19, 6969.	6.7	47
34	New preparation method for organicâ€"inorganic layered compounds by organo derivatization reaction of Zn(OH)2 with carboxylic acids. Journal of Materials Chemistry, 2000, 10, 321-327.	6.7	46
35	Preparation of hydroxy double salts exchanged by organic compounds. Journal of Materials Research, 1998, 13, 848-851.	2.6	44
36	Amylose Selectively Includes One from a Mixture of Two Resemblant Polyethers in Vine-Twining Polymerization. Biomacromolecules, 2007, 8, 2983-2985.	5.4	43

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37	Performance of Electric Double-Layer Capacitor with Acidic Celluloseâ€“Chitin Hybrid Gel Electrolyte. Journal of the Electrochemical Society, 2010, 157, A203.	2.9	43
38	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
39	Dissolution, derivatization, and functionalization of chitin in ionic liquid. International Journal of Biological Macromolecules, 2019, 123, 732-737.	7.5	43
40	In Depth Study on Solution-State Structure of Poly(lactic acid) by Vibrational Circular Dichroism. Macromolecules, 2014, 47, 5313-5319.	4.8	42
41	Decomposition reactions of epoxy resin and polyetheretherketone resin in sub- and supercritical water. Journal of Material Cycles and Waste Management, 2004, 6, 1-5.	3.0	41
42	Chemoenzymatic Synthesis of Amylose-Grafted Chitosan. Macromolecular Rapid Communications, 2007, 28, 863-867.	3.9	41
43	Preparation of temperature-induced shapeable film material from guar gum-based gel with an ionic liquid. Journal of Materials Chemistry, 2009, 19, 4088.	6.7	41
44	Chemoenzymatic synthesis and hydrogelation of amylose-grafted xanthan gums. International Journal of Biological Macromolecules, 2011, 49, 498-503.	7.5	41
45	Preparation of chitin nanofiber-reinforced carboxymethyl cellulose films. International Journal of Biological Macromolecules, 2014, 69, 35-38.	7.5	41
46	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
47	Chemoenzymatic Synthesis of Amyloseâ€Grafted Cellulose. Macromolecular Bioscience, 2009, 9, 450-455.	4.1	40
48	Architecture of Amylose Supramolecules in Form of Inclusion Complexes by Phosphorylase-Catalyzed Enzymatic Polymerization. Biomolecules, 2013, 3, 369-385.	4.0	40
49	Chemoenzymatic synthesis of functional amylosic materials. Pure and Applied Chemistry, 2014, 86, 701-709.	1.9	39
50	Enzymatic Î±-glucosaminylation of maltooligosaccharides catalyzed by phosphorylase. Carbohydrate Research, 2008, 343, 2692-2696.	2.3	38
51	Preparation of Glycogenâ€Based Polysaccharide Materials by Phosphorylaseâ€Catalyzed Chain Elongation of Glycogen. Macromolecular Bioscience, 2009, 9, 1098-1104.	4.1	38
52	Facile Preparation of Chitin/Cellulose Composite Films Using Ionic Liquids. Journal of Polymers and the Environment, 2012, 20, 37-42.	5.0	38
53	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
54	Precision Synthesis of Functional Polysaccharide Materials by Phosphorylase-Catalyzed Enzymatic Reactions. Polymers, 2016, 8, 138.	4.5	37

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55	Understanding dissolution process of chitin crystal in ionic liquids: theoretical study. Physical Chemistry Chemical Physics, 2018, 20, 20669-20677.	2.8	36
56	Chemoenzymatic synthesis of amylose-grafted alginate and its formation of enzymatic disintegratable beads. Carbohydrate Polymers, 2010, 82, 394-400.	10.2	34
57	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
58	Amylose Selectively Includes a Specific Range of Molecular Weights in Poly(tetrahydrofuran)s in Vine-Twining Polymerization. Polymer Journal, 2009, 41, 792-796.	2.7	32
59	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
60	Phosphorylase-catalyzed N-formyl-Î±-glucosaminylation of maltooligosaccharides. Carbohydrate Research, 2010, 345, 631-636.	2.3	31
61	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
62	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
63	Ionic liquid induces flexibility and thermoplasticity in cellulose film. Carbohydrate Polymers, 2019, 223, 115058.	10.2	30
64	Synthesis of organicâ€“inorganic hybrid hydrogels using rodlike polysiloxane having acrylamido groups as a new cross-linking agent. Journal of Materials Chemistry, 2006, 16, 1746-1750.	6.7	29
65	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
66	Preparation of highly flexible chitin nanofiber-graft-poly(Î³-l-glutamic acid) network film. Polymer Bulletin, 2013, 70, 3279-3289.	3.3	29
67	Enzymatic Synthesis of Î±-d-Xylosylated Malto-oligosaccharides by Phosphorylase-catalyzed Xylosylation. Journal of Carbohydrate Chemistry, 2008, 27, 214-222.	1.1	28
68	Selectivity and Priority on Inclusion of Amylose toward Guest Polyethers and Polyesters in Vine-Twining Polymerization. Polymer Journal, 2009, 41, 279-286.	2.7	28
69	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
70	Preparation of guar gum-based functional materials using ionic liquid. Journal of Materials Chemistry, 2010, 20, 9220.	6.7	28
71	Self-assembly of amylose-grafted carboxymethyl cellulose. Carbohydrate Polymers, 2012, 90, 1371-1377.	10.2	28
72	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

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73	Ring-opening polymerization of 1-(2,4,6-tri-tert-butylphenyl)-phosphirane: direct synthesis of a polyphosphine derivative. Macromolecular Rapid Communications, 1994, 15, 567-571.	3.9	26
74	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
75	Facile nanofibrillation of chitin derivatives by gas bubbling and ultrasonic treatments in water. Carbohydrate Research, 2014, 398, 25-30.	2.3	26
76	Preparation of alginate-polymethacrylate hybrid material by radical polymerization of cationic methacrylate monomer in the presence of sodium alginate. Carbohydrate Polymers, 2005, 60, 253-258.	10.2	25
77	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
78	Preparation of inclusion complexes composed of amylose and biodegradable poly(glycolic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td Polymer Journal, 2011, 43, 971-977.	2.7	25
79	Formation of Amyloseâ€“Poly(tetrahydrofuran) Inclusion Complexes in Ionic Liquid Media. Chemistry Letters, 2011, 40, 31-33.	1.3	25
80	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
81	Synthesis of Natural- and Non-natural-type Aminopolysaccharides:Â 2-Acetamido-2-deoxy-Î²-d-glucopyranan Derivatives by Acid-Catalyzed Polymerization of 2-Methyl(3,6- and) Tj ETQq1 1 0.784314 rgBT Macromolecules, 1997, 30, 8212-8217.	4.8	24
82	Synthesis of chitin-graft-polystyrene via atom transfer radical polymerization initiated from a chitin macroinitiator. Polymer Chemistry, 2013, 4, 3384.	3.9	24
83	Preparation of polysaccharide supramolecular films by vine-twining polymerization approach. Carbohydrate Polymers, 2013, 98, 611-617.	10.2	24
84	Facile acylation of Î±-chitin in ionic liquid. Carbohydrate Polymers, 2018, 200, 567-571.	10.2	24
85	Direct polycondensation of carbon dioxide with xylylene glycols: a new method for the synthesis of polycarbonates. Macromolecular Rapid Communications, 1998, 19, 657-660.	3.9	23
86	Preparation of cellulose-based ionic porous material compatibilized with polymeric ionic liquid. Polymer Bulletin, 2010, 64, 341-349.	3.3	23
87	Atom transfer radical polymerization of N-isopropylacrylamide by enzyme mimetic catalyst. Polymer, 2013, 54, 1775-1778.	3.8	23
88	Synthesis of highly branched anionic Î±-glucans by thermostable phosphorylase-catalyzed Î±-glucuronylation. Carbohydrate Research, 2013, 366, 38-44.	2.3	23
89	Preparation of Chitin/Cellulose Films Compatibilized with Polymeric Ionic Liquids. Journal of Polymers and the Environment, 2013, 21, 795-801.	5.0	22
90	Enzymatic Synthesis of Dendritic Amphoteric Î±â€Glucans by Thermostable Phosphorylase Catalysis. Macromolecular Bioscience, 2014, 14, 1437-1443.	4.1	22

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91	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
92	Î±-Glucan Phosphorylase: A Useful Catalyst for Precision Enzymatic Synthesis of Oligo- and Polysaccharides. Current Organic Chemistry, 2017, 21, 1192-1204.	1.6	22
93	Alginate-Based Blends and Nano/Microbeads. Microbiology Monographs, 2009, , 175-210.	0.6	21
94	Hierarchically Self-Assembled Nanofiber Films from Amylose-Grafted Carboxymethyl Cellulose. Fibers, 2014, 2, 34-44.	4.0	21
95	Surface-initiated atom transfer radical polymerization from chitin nanofiber macroinitiator film. Carbohydrate Polymers, 2014, 112, 119-124.	10.2	21
96	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
97	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
98	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
99	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
100	Dissolution, gelation, functionalization, and material preparation of chitin using ionic liquids. Pure and Applied Chemistry, 2016, 88, 621-629.	1.9	20
101	Preparation of Self-Assembled Chitin Nanofiber-Natural Rubber Composite Sheets and Porous Materials. Biomolecules, 2017, 7, 0047.	4.0	20
102	Synthesis of a dibenzylchitin-type polysaccharide by acid-catalyzed polymerization. Macromolecular Rapid Communications, 1996, 17, 367-372.	3.9	19
103	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
104	Thermostable Î±-Glucan Phosphorylase-catalyzed Successive Î±-Mannosylations. Chemistry Letters, 2013, 42, 822-824.	1.3	19
105	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
106	Synthesis of amphiphilic polysiloxanes and their properties for formation of nano-aggregates. Colloid and Polymer Science, 2009, 287, 577-582.	2.1	18
107	Preparation and Material Application of Amylose-Polymer Inclusion Complexes by Enzymatic Polymerization Approach. Polymers, 2017, 9, 729.	4.5	18
108	Chemoenzymatic synthesis of amylose-grafted polyacetylenes. Polymer Bulletin, 2008, 60, 57-68.	3.3	17

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109	Chemoenzymatic synthesis of amylose-grafted poly(vinyl alcohol). Polymer Chemistry, 2010, 1, 193-197.	3.9	17
110	Tunable multicolour emissions of polymeric ionic films carrying proper fluorescent dye moieties. Journal of Materials Chemistry, 2012, 22, 10619.	6.7	17
111	Chemoenzyamtic synthesis and self-assembling gelation behavior of amylose-grafted poly(Î³-glutamic) Tj ETQq1 1 0.784314 rgBT /Overl	7.5	17
112	Dissolution of Chitin in Deep Eutectic Solvents Composed of Imidazolium Ionic Liquids and Thiourea. ChemEngineering, 2019, 3, 90.	2.4	17
113	Architecture of polysaccharides with specific structures: synthesis of hyperbranched polysaccharides. Polymers for Advanced Technologies, 2000, 11, 122-126.	3.2	15
114	Synthesis of rodlike polysiloxane containing polyol moieties derived from glucose with regularly controlled higher-ordered structure. Polymer, 2005, 46, 8905-8907.	3.8	15
115	Synthesis of Temperature-Responsive Organic-Inorganic Hybrid Hydrogel by Free-Radical Polymerization of Methacrylamide Using Water-Soluble Rigid Polysiloxane Having Acryamido Side-Chains as a Cross-linking Agent. Polymer Journal, 2007, 39, 1078-1081.	2.7	15
116	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
117	Synthesis of Heteropolysaccharides Having Amylose Chains Using Phosphorylase-Catalyzed Enzymatic Polymerization. Kobunshi Ronbunshu, 2011, 68, 242-249.	0.2	15
118	Preparation of multiformable supramolecular gels through helical complexation by amylose in vine-twining polymerization. Polymer Chemistry, 2015, 6, 6402-6408.	3.9	15
119	Preparation and Grafting Functionalization of Self-Assembled Chitin Nanofiber Film. Coatings, 2016, 6, 27.	2.6	15
120	Î±-Glucan Phosphorylase-Catalyzed Enzymatic Reactions Using Analog Substrates to Synthesize Non-Natural Oligo- and Polysaccharides. Catalysts, 2018, 8, 473.	3.5	15
121	Preparation of conducting film composed of polyaniline and metal oxide by sol-gel method. Journal of Materials Research, 1999, 14, 5-7.	2.6	14
122	Free-radical polymerization of vinyl monomers using hematin as a biomimetic catalyst in place of enzyme. Macromolecular Bioscience, 2002, 2, 257-260.	4.1	14
123	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
124	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
125	Enzymatic preparation of functional polysaccharide hydrogels by phosphorylase catalysis. Pure and Applied Chemistry, 2018, 90, 1045-1054.	1.9	14
126	Chemoenzymatic Preparation of Amylose-Grafted Chitin Nanofiber Network Materials. Biomacromolecules, 2018, 19, 3013-3019.	5.4	14

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127	Fabrication of highly flexible nanochitin film and its composite film with anionic polysaccharide. Carbohydrate Polymers, 2021, 270, 118369.	10.2	14
128	Synthesis of Sugar-Polysiloxane Hybrids Having Rigid Main-Chains and Formation of their Nano Aggregates. Polymer Journal, 2007, 39, 1065-1070.	2.7	13
129	Preparation of Galactomannan-Based Materials Compatibilized with Ionic Liquids. Journal of Polymers and the Environment, 2013, 21, 512-519.	5.0	13
130	Fabrication of cationic chitin nanofiber/alginate composite materials. International Journal of Biological Macromolecules, 2016, 91, 724-729.	7.5	13
131	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
132	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
133	Fabrication of Semiâ€crystalline Film by Hexanoylation on Selfâ€assembled Chitin Nanofibers. ChemistrySelect, 2019, 4, 797-801.	1.5	12
134	Application of ionic liquids for the functional materialization of chitin. Materials Advances, 2022, 3, 3355-3364.	5.4	12
135	Synthesis of Amylose-Grafted Polysaccharide Materials by Phosphorylase-Catalyzed Enzymatic Polymerization. ACS Symposium Series, 2012, , 237-255.	0.5	11
136	Synthesis of poly(spiropyran)s by polycondensation and their photoisomerization behaviors. European Polymer Journal, 2012, 48, 549-559.	5.4	11
137	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
138	Double helix formation from non-natural amylose analog polysaccharides. Carbohydrate Polymers, 2018, 189, 184-189.	10.2	11
139	Preparation of supramolecular network materials by means of amylose helical assemblies. Polymer, 2018, 140, 73-79.	3.8	11
140	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1998, 31, 231-241.	1.6	10
141	New Ring-Opening Polymerization of Phosphorus-Containing Cyclic Monomers. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1387-1390.	1.6	10
142	Synthesis of Glucose-Containing Polyaniline by the Oxidative Polymerization ofN-Glucosylaniline. Macromolecular Rapid Communications, 2005, 26, 103-106.	3.9	10
143	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
144	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

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145	Preparation of Reswellable Amorphous Porous Celluloses through Hydrogelation from Ionic Liquid Solutions. Materials, 2019, 12, 3249.	2.9	10
146	Preparation of Cationic/Anionic Chitin Nanofiber Composite Materials. Journal of Polymers and the Environment, 2018, 26, 3540-3549.	5.0	9
147	Difference in Macroscopic Morphologies of Amylosic Supramolecular Networks Depending on Guest Polymers in Vine-Twining Polymerization. Polymers, 2018, 10, 1277.	4.5	9
148	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
149	Synthesis of Polysaccharides II: Phosphorylase as Catalyst. Green Chemistry and Sustainable Technology, 2019, , 47-87.	0.7	9
150	Evaluation of artificial crystalline structure from amylose analog polysaccharide without hydroxy groups at C-2 position. Carbohydrate Polymers, 2020, 240, 116347.	10.2	9
151	Glucan phosphorylase-catalyzed enzymatic synthesis of unnatural oligosaccharides and polysaccharides using nonnative substrates. Polymer Journal, 2022, 54, 413-426.	2.7	9
152	Amphiphilic Poly(N-propargylamide) with Galactose and Lauryloyl Groups: Synthesis and Properties. Macromolecular Bioscience, 2006, 6, 1009-1018.	4.1	8
153	Synthesis of poly(p-phenylene)s having alternating sugar and alkyl substituents by Suzuki coupling polymerization and evaluation of their main-chain conformations. European Polymer Journal, 2007, 43, 3795-3806.	5.4	8
154	Enzymatic grafting of amylose on chitin nanofibers for hierarchical construction of controlled microstructures. Polymer Chemistry, 2017, 8, 3279-3285.	3.9	8
155	Enzymatic synthesis of functional amylosic materials and amylose analog polysaccharides. Methods in Enzymology, 2019, 627, 189-213.	1.0	8
156	Fabricating Chitin Paper from Self-Assembled Nanochitins. ACS Sustainable Chemistry and Engineering, 2020, 8, 8402-8408.	6.7	8
157	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
158	Preparation of Nanochitin/Polystyrene Composite Particles by Pickering Emulsion Polymerization Using Scaled-Down Chitin Nanofibers. Coatings, 2021, 11, 672.	2.6	8
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