

Tatsuo Kaneko

List of Publications by Year in descending order

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237
papers

4,940
citations

87843

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149623

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all docs

252
docs citations

252
times ranked

4284
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance BioNylons from Itaconic and Amino Acids with Pepsin Degradability. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100052.	2.7	8
2	Recent advances in lignocellulosic biomass white biotechnology for bioplastics. <i>Bioresource Technology</i> , 2022, 344, 126165.	4.8	31
3	High-Performance BioNylons from Itaconic and Amino Acids with Pepsin Degradability (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.7	0
4	Super-Moisturizing Materials from Morphological Deformation of Suprapolysaccharides. <i>Macromolecular Rapid Communications</i> , 2022, , 2200163.	2.0	1
5	Self-Standing Nanomembranes of Super-Tough Plastics. <i>Langmuir</i> , 2022, 38, 5128-5134.	1.6	4
6	Stepwise copolymerization of polybenzimidazole for a low dielectric constant and ultrahigh heat resistance. <i>RSC Advances</i> , 2022, 12, 11885-11895.	1.7	6
7	Development of High-Performance Bioplastic Contributing to a Sustainable Society. <i>Journal of Fiber Science and Technology</i> , 2022, 78, 156-161.	0.0	0
8	Sum-Frequency Generation and Scanning Electron Microscope Studies on Second-Harmonic Generation Active Structures of Sacran Aggregates. <i>E-Journal of Surface Science and Nanotechnology</i> , 2022, 20, .	0.1	0
9	Reinforcement of ultrahigh thermoresistant polybenzimidazole films by hard craters. <i>Polymer Chemistry</i> , 2022, 13, 4086-4089.	1.9	3
10	The cyanobacterial polysaccharide sacran: characteristics, structures, and preparation of LC gels. <i>Polymer Journal</i> , 2021, 53, 81-91.	1.3	11
11	Ultrahigh Thermoresistant Lightweight Bioplastics Developed from Fermentation Products of Cellulosic Feedstock. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000193.	2.7	16
12	Physiological and genomic analysis of newly-isolated polysaccharide synthesizing cyanobacterium <i>Chroococcus</i> sp. FPU101 and chemical analysis of the exopolysaccharide. <i>Journal of General and Applied Microbiology</i> , 2021, 67, 207-213.	0.4	3
13	A Concise Review on the Physicochemical Properties of Biopolymer Blends Prepared in Ionic Liquids. <i>Molecules</i> , 2021, 26, 216.	1.7	27
14	Synthesis and solvent-controlled self-assembly of diketopiperazine-based polyamides from aspartame. <i>RSC Advances</i> , 2021, 11, 5938-5946.	1.7	8
15	Bis-imino-acenaphthenequinone-Paraphenylene-Type Condensation Copolymer Binder for Ultralong Cyclable Lithium-Ion Rechargeable Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 2231-2240.	2.5	14
16	Photodegradation of a semi-aromatic bio-derived polyimide. <i>Polymer Degradation and Stability</i> , 2021, 184, 109472.	2.7	12
17	Photoexpansion of Biobased Polyesters: Mechanism Analysis by Time-Resolved Measurements of an Amorphous Polycinnamate Hard Film. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14569-14576.	4.0	5
18	Interfacial self-assembly of polysaccharide rods and platelets bridging over capillary lengths. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 483-489.	5.0	3

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19	Synthesis of pH-responsive polyimide hydrogel from bioderived amino acid. <i>Polymer Journal</i> , 2021, 53, 1223-1230.	1.3	6
20	Flame retardant transparent films of thermostable biopolyimide metal hybrids. <i>Polymer Degradation and Stability</i> , 2021, 188, 109571.	2.7	7
21	Orientation Analysis of Polymer Chains in Optically Transparent Biopolyimides Having Rigid and Bending Backbones. <i>ChemistrySelect</i> , 2021, 6, 6525-6532.	0.7	3
22	Convective meniscus splitting of polysaccharide microparticles on various surfaces. <i>Scientific Reports</i> , 2021, 11, 767.	1.6	4
23	Magnetorheological Response for Magnetic Elastomers Containing Carbonyl Iron Particles Coated with Poly(methyl methacrylate). <i>Polymers</i> , 2021, 13, 335.	2.0	4
24	Synergistic Effects of Polybenzimidazole and Aramide on Enhancing Flame Retardancy and Solubility. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100459.	1.7	2
25	Mussel-Inspired Epoxy Bioadhesive with Enhanced Interfacial Interactions for Wound Repair. <i>Acta Biomaterialia</i> , 2021, 136, 223-232.	4.1	12
26	Soluble Biobased Polyimides from Diaminotruxinic Acid with Unique Bending Angles. <i>Macromolecules</i> , 2021, 54, 10271-10278.	2.2	9
27	Extremely fast charging lithium-ion battery using bio-based polymer-derived heavily nitrogen doped carbon. <i>Chemical Communications</i> , 2021, , .	2.2	11
28	Biobased liquid crystalline poly(coumarate)s composites and their potential applications. <i>Composites Communications</i> , 2020, 22, 100531.	3.3	4
29	Syntheses of Soluble Biopolyimides Using 4-Aminophenylalanine. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 1117-1123.	2.0	4
30	High-temperature resistant water-soluble polymers derived from exotic amino acids. <i>RSC Advances</i> , 2020, 10, 38069-38074.	1.7	11
31	Critical Electric Field and Activation Energy for Electric Conductivity for Biopolyimide Using 4,4'-Diamino- β -truxillic Acid and 1,2,3,4-Cyclobutanetetracarboxylic Dianhydride. <i>Chemistry Letters</i> , 2020, 49, 929-931.	0.7	1
32	Oriented Polysaccharide Bigels from Interfacial Crosslinking. <i>Chemistry Letters</i> , 2020, 49, 1484-1486.	0.7	1
33	Cationic Polymer Brush/Giant Polysaccharide Sacran Assembly: Structure and Lubricity. <i>Langmuir</i> , 2020, 36, 6494-6501.	1.6	9
34	Vapor-Sensitive Materials from Polysaccharide Fibers with Self-Assembling Twisted Microstructures. <i>Small</i> , 2020, 16, e2001993.	5.2	11
35	Morphology-Controlled Self-Assembly and Synthesis of Biopolyimide Particles from 4-Amino-l-phenylalanine. <i>ACS Omega</i> , 2020, 5, 2187-2195.	1.6	10
36	Structure and Properties of Hybrid Film Fabricated by Spin-Assisted Layer-by-Layer Assembly of Sacran and Imogolite Nanotubes. <i>Langmuir</i> , 2020, 36, 1718-1726.	1.6	10

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37	Anion-Scavenging Biopolyamides from Quaternized 4-Aminocinnamic Acid Photodimers. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3786-3795.	3.2	2
38	Rheopectic Behavior for Aqueous Solutions of Megamolecular Polysaccharide Sacran. <i>Biomolecules</i> , 2020, 10, 155.	1.8	8
39	Epidermal growth factor in sacran hydrogel film accelerates fibroblast migration. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2020, 11, 74.	0.4	7
40	Bio-Based Aromatics: Aminobenzoic Acid Derivatives for High-Performance Bioplastics. <i>ACS Symposium Series</i> , 2020, , 99-121.	0.5	2
41	Injectable and Near-Infrared-Responsive Hydrogels Encapsulating Dopamine-Stabilized Gold Nanorods with Long Photothermal Activity Controlled for Tumor Therapy. <i>Biomacromolecules</i> , 2019, 20, 3375-3384.	2.6	51
42	Supramolecular micellar drug delivery system based on multi-arm block copolymer for highly effective encapsulation and sustained-release chemotherapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5677-5687.	2.9	17
43	Sacran Hydrogel Film Containing Keratinocyte Growth Factor Accelerates Wound Healing by Stimulating Fibroblast Migration and Re-epithelization. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 849-854.	0.6	7
44	Effect of Evaporation Rate on Meniscus Splitting with Formation of Vertical Polysaccharide Membranes. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900855.	1.9	4
45	Dataset of various characterizations for novel bio-based plastic poly(benzoxazole-co-benzimidazole) with ultra-low dielectric constant. <i>Data in Brief</i> , 2019, 25, 104114.	0.5	4
46	Evaporative Self-Assembly: Effect of Evaporation Rate on Meniscus Splitting with Formation of Vertical Polysaccharide Membranes (<i>Adv. Mater. Interfaces</i> 17/2019). <i>Advanced Materials Interfaces</i> , 2019, 6, 1970108.	1.9	0
47	Electric Volume Resistivity for Biopolyimide Using 4,4'-Diamino- β -truxillic acid and 1,2,3,4-Cyclobutanetetracarboxylic dianhydride. <i>Polymers</i> , 2019, 11, 1552.	2.0	11
48	N-Boronated polybenzimidazole for composite electrolyte design of highly ion conducting pseudo solid-state ion gel electrolytes with a high Li-transference number. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4459-4468.	5.2	33
49	Micro-deposition control of polysaccharides on evaporative air-LC interface to design quickly swelling hydrogels. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 184-191.	5.0	8
50	Experimental Investigation of Damage Formation in Planar Fibrous Networks During Stretching. <i>Scientific Reports</i> , 2019, 9, 2816.	1.6	2
51	Syntheses of Aromatic/Heterocyclic Derived Bioplastics with High Thermal/Mechanical Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15958-15974.	1.8	16
52	High-performance poly(benzoxazole/benzimidazole) bio-based plastics with ultra-low dielectric constant from 3-amino-4-hydroxybenzoic acid. <i>Polymer Degradation and Stability</i> , 2019, 162, 29-35.	2.7	24
53	Physiological properties and genetic analysis related to exopolysaccharide (EPS) production in the fresh-water unicellular cyanobacterium <i>Aphanothece sacrum</i> (Suizenji Nori). <i>Journal of General and Applied Microbiology</i> , 2019, 65, 39-46.	0.4	11
54	Fermentation and purification of microbial monomer 4-aminocinnamic acid to produce ultra-high performance bioplastics. <i>Process Biochemistry</i> , 2019, 77, 100-105.	1.8	7

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55	Preparation of mussel-inspired biopolyester adhesive and comparative study of effects of meta- or para-hydroxyphenylpropionic acid segments on their properties. <i>Polymer</i> , 2019, 165, 152-162.	1.8	12
56	Development of Functional Bionanocomposites Using Cyanobacterial Polysaccharides. <i>Chemical Record</i> , 2018, 18, 1167-1177.	2.9	14
57	Truxillic and truxinic acid-based, bio-derived diesters as potent internal donor in Ziegler-Natta catalyst for propylene polymerization. <i>Applied Catalysis A: General</i> , 2018, 554, 80-87.	2.2	18
58	Formation of Polysaccharide Membranes by Splitting of Evaporative Air-LC Interface. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701219.	1.9	18
59	Polypeptide gels incorporating the exotic functional aromatic amino acid 4-amino-phenylalanine. <i>Polymer Chemistry</i> , 2018, 9, 3466-3472.	1.9	8
60	Effects of biopolyimide molecular design on their silica hybrids thermo-mechanical, optical and electrical properties. <i>RSC Advances</i> , 2018, 8, 14009-14016.	1.7	12
61	Novel polycondensed biopolyamide generated from biomass-derived 4-aminohydrocinnamic acid. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 631-639.	1.7	14
62	Fully Bio-based Aromatic Polyimide Using 4-Aminocinnamic Acid and Mellophanic Dianhydride as Bio-derived Monomers. <i>ECS Transactions</i> , 2018, 88, 99-105.	0.3	9
63	Fluorinated and Bio-Based Polyamides with High Transparencies and Low Yellowness Index. <i>Polymers</i> , 2018, 10, 1311.	2.0	11
64	Aromatic Bioplastics with Heterocycles. <i>ACS Symposium Series</i> , 2018, , 201-218.	0.5	6
65	Micropatterned Cell Orientation of Cyanobacterial Liquid-Crystalline Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44834-44843.	4.0	8
66	Micelle-Mediated Self-Assembly of Microfibers Bridging Millimeter-Scale Gap To Form Three-Dimensional-Ordered Polysaccharide Membranes. <i>Langmuir</i> , 2018, 34, 13965-13970.	1.6	11
67	Characterization of $\text{In}^{2+}\text{-Ga}^{3+}\text{O}_3$ Schottky barrier diodes. , 2018, , .		0
68	Surface-Selective Control of Cell Orientation on Cyanobacterial Liquid Crystalline Gels. <i>ACS Omega</i> , 2018, 3, 6554-6559.	1.6	7
69	Drying-Induced Macro-Space Partitioning of Supra-Polysaccharides and Membrane Formation with Uniaxial Orientation. <i>Kobunshi Ronbunshu</i> , 2018, 75, 1-8.	0.2	2
70	Robustification of ITO nanolayer by surface-functionalization of transparent biopolyimide substrates. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46709.	1.3	6
71	Molecular Design of Soluble Biopolyimide with High Rigidity. <i>Polymers</i> , 2018, 10, 368.	2.0	10
72	Enhancement of curcumin wound healing ability by complexation with 2-hydroxypropyl- β -cyclodextrin in sacran hydrogel film. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 268-276.	3.6	53

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73	Drying-Induced Self-Similar Assembly of Megamolecular Polysaccharides through Nano and Submicron Layering. <i>Langmuir</i> , 2017, 33, 4954-4959.	1.6	17
74	Switchable release nano-reservoirs for co-delivery of drugs via a facile micelle-hydrogel composite. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3488-3497.	2.9	27
75	Microbe-Derived Itaconic Acid: Novel Route to Biopolyamides. , 2017, , 279-289.		6
76	Anti-allergic and Profilaggrin (ProFLG)-mRNA expression modulatory effects of sacran. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1532-1538.	3.6	13
77	Preparation of Tough Biopolyurea Films from Aromatic Amino Acid as Diamine Monomer. <i>Macromolecular Symposia</i> , 2017, 375, 1600194.	0.4	3
78	Tough and Porous Hydrogels Prepared by Simple Lyophilization of LC Gels. <i>ACS Omega</i> , 2017, 2, 5304-5314.	1.6	70
79	Emergence of polysaccharide membrane walls through macro-space partitioning via interfacial instability. <i>Scientific Reports</i> , 2017, 7, 5615.	1.6	20
80	Methods for the Self-integration of Megamolecular Biopolymers on the Drying Air-LC Interface. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2
81	Synthesis of thermotropic polybenzoxazole using 3-amino-4-hydroxybenzoic acid. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	16
82	Bio-based mesoporous sponges of chitosan conjugated with amino acid-diketopiperazine through oil-in-water emulsions. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	10
83	Enhancing effect of β -cyclodextrin on wound dressing properties of sacran hydrogel film. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 181-186.	3.6	17
84	Simultaneous Hardening/Ductilizing Effects of Cryogenic Nanohybridization of Biopolyamides with Montmorillonites. <i>ACS Omega</i> , 2017, 2, 9103-9108.	1.6	3
85	Electric Field Effect on Optical Second-harmonic Generation of Amphoteric Megamolecule Aggregates. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 124401.	0.7	3
86	Sample Size Effect of Magnetomechanical Response for Magnetic Elastomers by Using Permanent Magnets. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-7.	1.5	1
87	Optical second-harmonic images of sacran megamolecule aggregates. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 146.	0.8	8
88	Bacterial fermentation platform for producing artificial aromatic amines. <i>Scientific Reports</i> , 2016, 6, 25764.	1.6	38
89	Directional control of diffusion and swelling in megamolecular polysaccharide hydrogels. <i>Soft Matter</i> , 2016, 12, 5515-5518.	1.2	30
90	Heavy metal biosorption from aqueous solutions by algae inhabiting rice paddies in Vietnam. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2529-2535.	3.3	49

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91	Ultrastrong, Transparent Polytruxillamides Derived from Microbial Photodimers. <i>Macromolecules</i> , 2016, 49, 3336-3342.	2.2	50
92	Physically crosslinked-sacran hydrogel films for wound dressing application. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 465-470.	3.6	63
93	Milliscale Self-Integration of Megamolecule Biopolymers on a Drying Gas-liquid Aqueous Liquid Crystalline Interface. <i>Biomacromolecules</i> , 2016, 17, 2096-2103.	2.6	33
94	Solution structure of cyanobacterial polysaccharide, sacran. <i>Polymer</i> , 2016, 99, 767-770.	1.8	14
95	Preparation of a Ductile Biopolyimide Film by Copolymerization. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8761-8766.	1.8	15
96	Extraordinary Swelling of Hydrogels Physically Crosslinked by Megamolecular Chain Sacran. <i>Chemistry Letters</i> , 2016, 45, 339-340.	0.7	3
97	Highly transparent and flexible bio-based polyimide/TiO ₂ and ZrO ₂ hybrid films with tunable refractive index, Abbe number, and memory properties. <i>Nanoscale</i> , 2016, 8, 12793-12802.	2.8	30
98	¹ H NMR and FT-IR dataset based structural investigation of poly(amic acid)s and polyimides from 4,4'-diaminostilbene. <i>Data in Brief</i> , 2016, 7, 123-128.	0.5	14
99	Ultrahigh Heat-resistant, Transparent Bioplastics from Exotic Amino Acid. <i>Materials Today: Proceedings</i> , 2016, 3, S21-S29.	0.9	11
100	Ultrahigh performance bio-based polyimides from 4,4'-diaminostilbene. <i>Polymer</i> , 2016, 83, 182-189.	1.8	33
101	Fermentation of aromatic lactate monomer and its polymerization to produce highly thermoresistant bioplastics. <i>Polymer Journal</i> , 2016, 48, 81-89.	1.3	6
102	New biopolyimides possibly applicable to heat-resistant and transparent insulator. , 2015, , .		0
103	Anisotropic swelling in hydrogels formed by cooperatively aligned megamolecules. <i>RSC Advances</i> , 2015, 5, 86723-86729.	1.7	50
104	Salt-induced reinforcement of anionic bio-polyureas with high transparency. <i>Polymer Journal</i> , 2015, 47, 727-732.	1.3	7
105	Uniaxial Swelling in LC Hydrogels Formed by Two-Step Cross-Linking. <i>Macromolecules</i> , 2015, 48, 8615-8621.	2.2	14
106	Molecular Design of Super-high Performance Bioplastics Based on Structures of Microbial Molecules. <i>Journal of the Society of Materials Engineering for Resources of Japan</i> , 2015, 26, 10-15.	0.2	0
107	Syntheses of rigid-rod but degradable biopolyamides from itaconic acid with aromatic diamines. <i>Polymer Degradation and Stability</i> , 2014, 109, 367-372.	2.7	29
108	Novel π -conjugated bio-based polymer, poly(3-amino-4-hydroxybenzoic acid), and its solvatochromism. <i>Pure and Applied Chemistry</i> , 2014, 86, 685-690.	0.9	9

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109	Exopolysaccharide production by a unicellular freshwater cyanobacterium <i>Cyanothece</i> sp. isolated from a rice field in Vietnam. <i>Journal of Applied Phycology</i> , 2014, 26, 265-272.	1.5	21
110	Clay-bionanocomposites with sacran megamolecules for the selective uptake of neodymium. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1391-1399.	5.2	33
111	Biobased Polyimides from 4-Aminocinnamic Acid Photodimer. <i>Macromolecules</i> , 2014, 47, 1586-1593.	2.2	91
112	Polarimetry-controlled fluorescent color in oriented LC biopolyesters. <i>Macromolecular Research</i> , 2014, 22, 725-730.	1.0	3
113	Structure and Properties of Sacran, One of Supergiant Polysaccharides, and Its Biomimetic Functionalization. <i>Nippon Gomu Kyokaishi</i> , 2014, 87, 146-152.	0.0	2
114	Double-metal complexation of heterogels containing cyanobacterial polysaccharides. <i>Journal of Applied Polymer Science</i> , 2013, 128, 676-683.	1.3	6
115	High-performance biocompatible adhesives from plant-derived materials. , 2013, , .		0
116	Anionic complexes of MWCNT with supergiant cyanobacterial polyanions. <i>Biopolymers</i> , 2013, 99, 1-9.	1.2	17
117	Syntheses of High-Performance Biopolyamides Derived from Itaconic Acid and Their Environmental Corrosion. <i>Macromolecules</i> , 2013, 46, 3719-3725.	2.2	59
118	Microbial monomers custom-synthesized to build true bio-derived aromatic polymers. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8887-8894.	1.7	53
119	Hyperbranched Polycoumarates with Photofunctional Multiple Shape Memory. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11143-11148.	7.2	46
120	Ionic state and chain conformation for aqueous solutions of supergiant cyanobacterial polysaccharide. <i>Physical Review E</i> , 2013, 87, 042607.	0.8	39
121	Photomechanic Behavior of Main-chain Type of Polycoumarates. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2013, 26, 271-275.	0.1	1
122	Syntheses of hyperbranched liquid-crystalline biopolymers with strong adhesion from phenolic phytomonomers. <i>Pure and Applied Chemistry</i> , 2012, 84, 2559-2568.	0.9	28
123	Anti-Allergic Effects of <i>Vernonia amygdalina</i> Leaf Extracts in Hapten-Induced Atopic Dermatitis-Like Disease in Mice. <i>Allergology International</i> , 2012, 61, 597-607.	1.4	23
124	Anti-inflammatory effects of sacran, a novel polysaccharide from <i>Aphanothece sacrum</i> , on 2,4,6-trinitrochlorobenzene-induced allergic dermatitis in vivo. <i>Annals of Allergy, Asthma and Immunology</i> , 2012, 108, 117-122.e2.	0.5	58
125	Photoshrinkage in Polysaccharide Gels with Trivalent Metal Ions.. <i>Biomacromolecules</i> , 2012, 13, 4158-4163.	2.6	19
126	Spongy Hydrogels of Cyanobacterial Polyanions Mediate Energy-Saving Electrolytic Metal-Refinement. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 8704-8707.	1.8	12

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127	Hydrotalcites Catalyze the Acidolysis Polymerization of Phenolic Acid to Create Highly Heat-Resistant Bioplastics. <i>Advanced Functional Materials</i> , 2012, 22, 3438-3444.	7.8	21
128	Trivalent metal-mediated gelation of novel supergiant sulfated polysaccharides extracted from <i>Aphanothece stagnina</i> . <i>Colloid and Polymer Science</i> , 2012, 290, 163-172.	1.0	16
129	Effects of adhesive characteristics of the catechol group on fiber-reinforced plastics. <i>Polymer Journal</i> , 2011, 43, 944-947.	1.3	10
130	Mussel-mimetic strong adhesive resin from bio-base polycoumarates. <i>Polymer Journal</i> , 2011, 43, 855-858.	1.3	25
131	Polarized Emission of Wholly Aromatic Bio-Based Copolyesters of a Liquid Crystalline Nature. <i>Polymers</i> , 2011, 3, 861-874.	2.0	7
132	Syntheses of High Molecular Weight Poly(<i>l</i> -phenyllactic acid)s by a Direct Polycondensation in the Presence of Stable Lewis Acids. <i>Chemistry Letters</i> , 2011, 40, 584-585.	0.7	12
133	Synthesis of well-defined hyperbranched polymers bio-based on multifunctional phenolic acids and their structure-thermal property relationships. <i>Polymer Degradation and Stability</i> , 2011, 96, 2048-2054.	2.7	30
134	Effects of double photoreactions on polycoumarate photomechanics. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1112-1118.	2.5	12
135	Template preparation of twisted nanoparticles of mesoporous silica. <i>Particuology</i> , 2011, 9, 51-55.	2.0	2
136	Preparation methods of alginate micro-hydrogel particles and evaluation of their electrophoresis behavior for possible electronic paper ink application. <i>Polymer Journal</i> , 2010, 42, 829-833.	1.3	11
137	Terminally-catecholized hyper-branched polymers with high performance adhesive characteristics. <i>Plant Biotechnology</i> , 2010, 27, 293-296.	0.5	26
138	Cyanobacterial Polysaccharide Gels with Efficient Rare-Earth-Metal Sorption. <i>Biomacromolecules</i> , 2010, 11, 1773-1778.	2.6	51
139	Gelation Behavior by the Lanthanoid Adsorption of the Cyanobacterial Extracellular Polysaccharide. <i>Biomacromolecules</i> , 2010, 11, 3172-3177.	2.6	43
140	Unusual Swelling of HPC in Toluene Forming a Microspherical Domain Structure that Causes Christiansen Scattering Coloration. <i>Langmuir</i> , 2010, 26, 1743-1746.	1.6	8
141	High-performance lignin-mimetic polyesters. <i>Plant Biotechnology</i> , 2010, 27, 243-250.	0.5	20
142	Cyanobacteria That Produce Megamolecules with Efficient Self-Orientations. <i>Macromolecules</i> , 2009, 42, 3057-3062.	2.2	69
143	Cyanobacterial Megamolecule Sacran Efficiently Forms LC Gels with Very Heavy Metal Ions. <i>Langmuir</i> , 2009, 25, 8526-8531.	1.6	66
144	Chemically Cross-Linking Effects on the Sorption of Heavy Metal Ions to Hydrogels of Cyanobacterial Megamolecules, Sacran. <i>Transactions of the Materials Research Society of Japan</i> , 2009, 34, 359-362.	0.2	3

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145	Swelling and viscoelastic properties of poly(vinyl alcohol) physical gels synthesized using sodium silicate. <i>Reactive and Functional Polymers</i> , 2008, 68, 133-140.	2.0	9
146	Preparation of flexible and transparent polylactic acids films by crystallization manipulation. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6489-6495.	2.5	7
147	Fabrication of Temperature-Responsive Bending Hydrogels with a Nanostructured Gradient. <i>Advanced Materials</i> , 2008, 20, 2080-2083.	11.1	167
148	Photo-Cross-Linking and Cleavage Induced Reversible Size Change of Bio-Based Nanoparticles. <i>Macromolecules</i> , 2008, 41, 8167-8172.	2.2	73
149	Transportation of a microdroplet on an oriented liquid crystal surface. <i>Liquid Crystals</i> , 2008, 35, 661-664.	0.9	5
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