Toshifumi Satoh

List of Publications by Year in descending order

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334 papers	8,599 citations	44069 48 h-index	102487 66 g-index
342 all docs	342 docs citations	342 times ranked	6041 citing authors

#	Article	IF	Citations
1	Diphenyl Phosphate as an Efficient Cationic Organocatalyst for Controlled/Living Ring-Opening Polymerization of Î´-Valerolactone and Îµ-Caprolactone. Macromolecules, 2011, 44, 1999-2005.	4.8	272
2	Diphenyl Phosphate as an Efficient Acidic Organocatalyst for Controlled/Living Ring-Opening Polymerization of Trimethylene Carbonates Leading to Block, End-Functionalized, and Macrocyclic Polycarbonates. Macromolecules, 2013, 46, 1772-1782.	4.8	139
3	Synthesis and thermoresponsive property of end-functionalized poly(N-isopropylacrylamide) with pyrenyl group. Journal of Polymer Science Part A, 2006, 44, 1117-1124.	2.3	117
4	Water-Resistant Efficient Stretchable Perovskite-Embedded Fiber Membranes for Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 2210-2215.	8.0	113
5	Enhanced dispersion stability of gold nanoparticles by the physisorption of cyclic poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	12.8	105
6	Synthesis and Stereocomplex Formation of Star-Shaped Stereoblock Polylactides Consisting of Poly(<scp>l</scp>-lactide) and Poly(<scp>d</scp>-lactide) Arms. Macromolecules, 2013, 46, 8509-8518.	4.8	103
7	Recent progress in organocatalytic group transfer polymerization. Polymer Chemistry, 2013, 4, 4278.	3.9	100
8	Synthesis of Helical Poly(phenylacetylene)s with Amide Linkage Bearing <scp>l</scp>-Phenylalanine and <scp>l</scp>-Phenylglycine Ethyl Ester Pendants and Their Applications as Chiral Stationary Phases for HPLC. Macromolecules, 2013, 46, 8406-8415.	4.8	96
9	Synthesis of Well-Defined Macrocyclic Poly(Î´-valerolactone) by â€œClick Cyclizationâ€• Macromolecules, 2009, 42, 5091-5096.	4.8	94
10	Sub-10 nm Nano-Organization in AB₂- and AB₃-Type Miktoarm Star Copolymers Consisting of Maltoheptaose and Polycaprolactone. Macromolecules, 2013, 46, 1461-1469.	4.8	90
11	Stretchable Conjugated Rodâ€“Coil Poly(3-hexylthiophene)-block-poly(butyl acrylate) Thin Films for Field Effect Transistor Applications. Macromolecules, 2017, 50, 1442-1452.	4.8	83
12	Controlled/Living Ring-Opening Polymerization of Î´-Valerolactone Using Triflylimide as an Efficient Cationic Organocatalyst. Macromolecules, 2010, 43, 7090-7094.	4.8	81
13	Synthesis of well-defined AB20-type star polymers with cyclodextrin-core by combination of NMP and ATRP. Journal of Polymer Science Part A, 2005, 43, 4271-4279.	2.3	80
14	Highâ€Performance Nonvolatile Organic Photonic Transistor Memory Devices using Conjugated Rodâ€“Coil Materials as a Floating Gate. Advanced Materials, 2020, 32, e2002638.	21.0	80
15	Atom Transfer Radical Polymerization of Methyl Methacrylate in Fluoroalcohol:Â Simultaneous Control of Molecular Weight and Tacticity. Macromolecules, 2005, 38, 1041-1043.	4.8	79
16	Synthesis of endâ€functionalized polyethers by phosphazene baseâ€catalyzed ringâ€opening polymerization of 1,2â€butylene oxide and glycidyl ether. Journal of Polymer Science Part A, 2012, 50, 1941-1952.	2.3	76
17	Synthesis of Linear, Cyclic, Figure-Eight-Shaped, and Tadpole-Shaped Amphiphilic Block Copolyethers via t-Bu-P₄-Catalyzed Ring-Opening Polymerization of Hydrophilic and Hydrophobic Glycidyl Ethers. Macromolecules, 2014, 47, 2853-2863.	4.8	75
18	Unimolecular micelles based on hyperbranched polycarbohydrate cores. Soft Matter, 2009, 5, 1972.	2.7	74

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19	Organic Superbase as an Efficient Catalyst for Group Transfer Polymerization of Methyl Methacrylate. Macromolecules, 2011, 44, 4641-4647.	4.8	73
20	A Versatile Method for Adjusting Thermoresponsivity: Synthesis and â€˜Clickâ€™ Reaction of an Azido Endâ€Functionalized Poly(Nâ€isopropylacrylamide). Macromolecular Rapid Communications, 2008, 29, 1126-1133.	3.9	72
21	Synthesis of High Molecular Weight and End-Functionalized Poly(styrene oxide) by Living Ring-Opening Polymerization of Styrene Oxide Using the Alcohol/Phosphazene Base Initiating System. Macromolecules, 2011, 44, 9099-9107.	4.8	72
22	Efficient Colorimetric Anion Detection Based on Positive Allosteric System of Urea-Functionalized Poly(phenylacetylene) Receptor. Macromolecules, 2010, 43, 7406-7411.	4.8	71
23	High-Performance Nonvolatile Organic Transistor Memory Devices Using the Electrets of Semiconducting Blends. ACS Applied Materials & Interfaces, 2014, 6, 12780-12788.	8.0	71
24	Binaphthol-derived phosphoric acids as efficient chiral organocatalysts for the enantiomer-selective polymerization of rac-lactide. Chemical Communications, 2014, 50, 2883-2885.	4.1	67
25	Strong BrÃ¸nsted Acid as a Highly Efficient Promoter for Group Transfer Polymerization of Methyl Methacrylate. Macromolecules, 2009, 42, 8747-8750.	4.8	65
26	Core-First Synthesis of Three-, Four-, and Six-Armed Star-Shaped Poly(methyl methacrylate)s by Group Transfer Polymerization Using Phosphazene Base. Macromolecules, 2011, 44, 9091-9098.	4.8	65
27	Glycoconjugated Polymer. 5. Synthesis and Characterization of a Seven-Arm Star Polystyrene with a Î²-Cyclodextrin Core Based on TEMPO-Mediated Living Radical Polymerization. Macromolecules, 2003, 36, 3914-3920.	4.8	62
28	Synthesis, Branched Structure, and Solution Property of Hyperbranchedd-Glucan andd-Galactan. Macromolecules, 2005, 38, 4202-4210.	4.8	61
29	Alkali Metal Carboxylate as an Efficient and Simple Catalyst for Ring-Opening Polymerization of Cyclic Esters. Macromolecules, 2018, 51, 689-696.	4.8	61
30	Sizeâ€Specific, Colorimetric Detection of Counteranions by Using Helical Poly(phenylacetylene) Conjugated to <scp>L</scp>â€Leucine Groups through Urea Acceptors. Chemistry - A European Journal, 2008, 14, 10259-10266.	3.3	60
31	A unimolecular nanocapsule: Encapsulation property of amphiphilic polymer based on hyperbranched polythreitol. Polymer, 2007, 48, 4683-4690.	3.8	57
32	Synthesis of amphiphilic triblock copolymer of polystyrene and poly(4-vinylbenzyl glucoside) via TEMPO-mediated living radical polymerization. Polymer, 2002, 43, 4835-4840.	3.8	56
33	Synthesis of well-defined syndiotactic poly(methyl methacrylate) with low-temperature atom transfer radical polymerization in fluoroalcohol. Journal of Polymer Science Part A, 2006, 44, 1436-1446.	2.3	56
34	Colorimetric Detection of Anions in Aqueous Solution Using Poly(phenylacetylene) with Sulfonamide Receptors Activated by Electron Withdrawing Group. Macromolecules, 2012, 45, 8221-8227.	4.8	56
35	Synthesis of Star- and Figure-Eight-Shaped Polyethers by t-Bu-P₄-Catalyzed Ring-Opening Polymerization of Butylene Oxide. Macromolecules, 2013, 46, 3841-3849.	4.8	56
36	Chiroptical and Lectin Recognition Properties of Glycoconjugated Poly(phenylacetylene)s Featuring Variable Saccharide Functionalities. Macromolecules, 2007, 40, 8930-8937.	4.8	55

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37	Synthesis, thermomorphic characteristics, and fluorescent properties of poly[2,7-(9,9-dihexylfluorene)]-block-poly(N-isopropylacrylamide)-block-poly(N-hydroxyethylacrylamide) rod-coil-coil triblock copolymers. Soft Matter, 2009, 5, 3761.	2.7	55
38	10 nm Scale Cylinderâ€“Cubic Phase Transition Induced by Caramelization in Sugar-Based Block Copolymers. ACS Macro Letters, 2012, 1, 1379-1382.	4.8	55
39	Glycoconjugated Polymer. 3. Synthesis and Amphiphilic Property of Core-Glycoconjugated Star-Shaped Polystyrene. Macromolecules, 2002, 35, 699-705.	4.8	54
40	Metal-cation-induced chiroptical switching for poly(phenylacetylene) bearing a macromolecular ionophore as a graft chain. Journal of Polymer Science Part A, 2005, 43, 5855-5863.	2.3	54
41	Reactions of solvated electrons with imidazolium cations in ionic liquids. Radiation Physics and Chemistry, 2008, 77, 1239-1243.	2.8	53
42	Diphenyl phosphate/4-dimethylaminopyridine as an efficient binary organocatalyst system for controlled/living ring-opening polymerization of<scp>L</scp>-lactide leading to diblock and end-functionalized poly(<scp>L</scp>-lactide)s. Journal of Polymer Science Part A, 2014, 52, 1047-1054.	2.3	53
43	Organophosphate-catalyzed bulk ring-opening polymerization as an environmentally benign route leading to block copolyesters, end-functionalized polyesters, and polyester-based polyurethane. Polymer Chemistry, 2015, 6, 4374-4384.	3.9	53
44	Synthesis, Self-Assembly, and Thermal Caramelization of Maltoheptaose-Conjugated Polycaprolactones Leading to Spherical, Cylindrical, and Lamellar Morphologies. Macromolecules, 2013, 46, 8932-8940.	4.8	52
45	Sub-10 nm Scale Nanostructures in Self-Organized Linear Di- and Triblock Copolymers and Miktoarm Star Copolymers Consisting of Maltoheptaose and Polystyrene. Macromolecules, 2015, 48, 1509-1517.	4.8	51
46	Biosynthesis of a lactate (LA)-based polyester with a 96 mol% LA fraction and its application to stereocomplex formation. Polymer Degradation and Stability, 2011, 96, 499-504.	5.8	50
47	Facile Preparation of Cu/Ag Core/Shell Electrospun Nanofibers as Highly Stable and Flexible Transparent Conductive Electrodes for Optoelectronic Devices. ACS Applied Materials & Interfaces, 2019, 11, 10118-10127.	8.0	50
48	Group Transfer Polymerization of N,N-Dimethylacrylamide Using Nobel Efficient System Consisting of Dialkylamino Silyl Enol Ether as an Initiator and Strong BrÃ¸nsted Acid as an Organocatalyst. Macromolecules, 2010, 43, 5589-5594.	4.8	49
49	Donorâ€“Acceptor Poly(3â€hexylthiophene)â€blockâ€Pendent Poly(isoindigo) with Dual Roles of Charge Transporting and Storage Layer for Highâ€Performance Transistorâ€Type Memory Applications. Advanced Functional Materials, 2016, 26, 2695-2705.	14.9	49
50	Smart Access to Sequentially and Architecturally Controlled Block Polymers via a Simple Catalytic Polymerization System. ACS Catalysis, 2021, 11, 5999-6009.	11.2	49
51	Strict Size Specificity in Colorimetric Anion Detection Based on Poly(phenylacetylene) Receptor Bearing Second Generation Lysine Dendrons. Macromolecules, 2011, 44, 4249-4257.	4.8	48
52	Macromolecular Helicity Induction for Novel Optically Inactive Poly(phenyl isocyanate) Bearing Crown Ether Based on the Hostâ^'Guest Complexation. Macromolecules, 2003, 36, 3709-3713.	4.8	47
53	Helicity Induction of Polyisocyanate with a Crown Cavity on the Main Chain Synthesized by Cyclopolymerization of Î±,Ï‰-Diisocyanate. Macromolecules, 2004, 37, 3996-4003.	4.8	47
54	Thermoresponsive Onâ^'Off Switching of Chiroptical Property Induced in Poly(4â€˜-ethynylbenzo-15-crown-5)/Î±-Amino Acid System. Macromolecules, 2006, 39, 4032-4037.	4.8	47

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55	Synthesis of unimolecular reversed micelle consisting of a poly(L-lactide) shell and hyperbranchedD-mannan core. Journal of Polymer Science Part A, 2006, 44, 406-413.	2.3	47
56	Synthesis and characterization of Eu(III) complexes of modified cellulose and poly(N-isopropylacrylamide). Carbohydrate Polymers, 2013, 94, 77-81.	10.2	46
57	Stereoblock-like Brush Copolymers Consisting of Poly(<scp>l</scp>-lactide) and Poly(<scp>d</scp>-lactide) Side Chains along Poly(norbornene) Backbone: Synthesis, Stereocomplex Formation, and Structureâ€“Property Relationship. Macromolecules, 2014, 47, 7118-7128.	4.8	46
58	Facile Fabrication of Stretchable Touch-Responsive Perovskite Light-Emitting Diodes Using Robust Stretchable Composite Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 14408-14415.	8.0	46
59	Encapsulationâ€“release property of amphiphilic hyperbranched d-glucan as a unimolecular reverse micelle. Polymer, 2007, 48, 1237-1244.	3.8	44
60	Wellâ€Đefined Functional Linear Aliphatic Diblock Copolyethers: A Versatile Linear Aliphatic Polyether Platform for Selective Functionalizations and Various Nanostructures. Advanced Functional Materials, 2012, 22, 5194-5208.	14.9	43
61	Influence of stereoregularity and linkage groups on chiral recognition of poly(phenylacetylene) derivatives bearing <scp>L</scp>â€leucine ethyl ester pendants as chiral stationary phases for HPLC. Journal of Polymer Science Part A, 2013, 51, 2271-2278.	2.3	43
62	Synthesis of Well-Defined Three- and Four-Armed Cage-Shaped Polymers via â€œTopological Conversionâ€• from Trefoil- and Quatrefoil-Shaped Polymers. Macromolecules, 2017, 50, 97-106.	4.8	43
63	Chemo-enzymatic synthesis of polyhydroxyalkanoate (PHA) incorporating 2-hydroxybutyrate by wild-type class I PHA synthase from Ralstonia eutropha. Applied Microbiology and Biotechnology, 2011, 92, 509-517.	3.6	42
64	Luminescent Coordination Glass: Remarkable Morphological Strategy for Assembled Eu(III) Complexes. Inorganic Chemistry, 2015, 54, 4364-4370.	4.0	42
65	Novel ultra-stable and highly luminescent white light-emitting diodes from perovskite quantum dotsâ€”Polymer nanofibers through biaxial electrospinning. APL Materials, 2019, 7, .	5.1	42
66	Stretchable OFET Memories: Tuning the Morphology and the Charge-Trapping Ability of Conjugated Block Copolymers through Soft Segment Branching. ACS Applied Materials & Interfaces, 2021, 13, 2932-2943.	8.0	42
67	Optical and Chiroptical Output of Anion Recognition Event Using Clustered Sulfonamide Groups Organized on Poly(phenylacetylene) Backbone. Macromolecules, 2009, 42, 3892-3897.	4.8	41
68	Chemo-Enzymatic Synthesis of Poly(lactate-co-(3-hydroxybutyrate)) by a Lactate-Polymerizing Enzyme. Macromolecules, 2009, 42, 1985-1989.	4.8	40
69	Synthesis of Homopolymers, Diblock Copolymers, and Multiblock Polymers by Organocatalyzed Group Transfer Polymerization of Various Acrylate Monomers. Macromolecules, 2015, 48, 511-519.	4.8	40
70	Controlled/Living Ring-Opening Polymerization of Glycidylamine Derivatives Using t-Bu-P₄/Alcohol Initiating System Leading to Polyethers with Pendant Primary, Secondary, and Tertiary Amino Groups. Macromolecules, 2015, 48, 3217-3229.	4.8	40
71	High-performance stretchable resistive memories using donorâ€“acceptor block copolymers with fluorene rods and pendent isoindigo coils. NPG Asia Materials, 2016, 8, e298-e298.	7.9	40
72	Cyclopolymerization. Chirality induction for the synthesis of chiroselective corand/ionophore ligands. Macromolecular Chemistry and Physics, 1995, 196, 2383-2416.	2.2	39

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73	Synthesis of Hyperbranched Polysaccharide by Thermally Induced Cationic Polymerization of 1,6-Anhydro-Î²-d-mannopyranose. Macromolecules, 2003, 36, 6364-6370.	4.8	39
74	Synthesis of Well-Defined Amphiphilic Star-Block and Miktoarm Star Copolyethers via t-Bu-P₄-Catalyzed Ring-Opening Polymerization of Glycidyl Ethers. Macromolecules, 2016, 49, 499-509.	4.8	39
75	One-step synthesis of sequence-controlled multiblock polymers with up to 11 segments from monomer mixture. Nature Communications, 2022, 13, 163.	12.8	37
76	Glycoconjugated Polymer. 4. Synthesis and Aggregation Property of Well-Defined End-Functionalized Polystyrene with Î²-Cyclodextrin. Macromolecules, 2003, 36, 3909-3913.	4.8	36
77	Thermoresponsive Property Controlled by End-Functionalization of Poly(N-isopropylacrylamide) with Phenyl, Biphenyl, and Triphenyl Groups. Polymer Journal, 2006, 38, 306-310.	2.7	36
78	Effect of the Pendant Structure on Anion Signaling Property of Poly(phenylacetylene)s Conjugated to Î±-Amino Acids through Urea Groups. Macromolecules, 2009, 42, 4430-4435.	4.8	36
79	Synthesis of block and endâ€functionalized polyesters by triflimideâ€catalyzed ringâ€opening polymerization of Îµâ€caprolactone, 1,5â€dioxepanâ€2â€one, and rac â€lactide. Journal of Polymer Science Part A, 2013, 51, 2455-2463.	2.3	36
80	Well-defined and stable nanomicelles self-assembled from brush cyclic and tadpole copolymer amphiphiles: a versatile smart carrier platform. NPG Asia Materials, 2017, 9, e453-e453.	7.9	36
81	Highly Stretchable Semiconducting Polymers for Field-Effect Transistors through Branched Softâ€“Hardâ€“Soft Type Triblock Copolymers. Macromolecules, 2020, 53, 7496-7510.	4.8	36
82	Controlled polymerization of methyl acrylate for highâ€molecularâ€weight polymers by pentafluorophenylbis(triflyl)methaneâ€promoted group transfer polymerization using triisopropylsilyl ketene acetal. Journal of Polymer Science Part A, 2012, 50, 3560-3566.	2.3	35
83	Synthesis of Î±-, Ï‰-, and Î±,Ï‰-End-Functionalized Poly(n-butyl acrylate)s by Organocatalytic Group Transfer Polymerization Using Functional Initiator and Terminator. Macromolecules, 2014, 47, 5514-5525.	4.8	35
84	Facile and Efficient Modification of Polystyrene-block-poly(methyl methacrylate) for Achieving Sub-10 nm Feature Size. Macromolecules, 2018, 51, 8064-8072.	4.8	35
85	Enantiomer-Selective Radical Cyclopolymerization ofrac-2,4-Pentanediyl Dimethacrylate Using ATRP Initiating System with Chiral Amine Ligand. Macromolecules, 2002, 35, 8255-8257.	4.8	34
86	Synthesis and Helicity Induction of Poly(phenylacetylene) Derivatives Bearing a Crown Cavity on the Main Chain. Macromolecules, 2005, 38, 9441-9447.	4.8	34
87	Poly(Nâ€hydroxyethylacrylamide) Prepared by Atom Transfer Radical Polymerization as a Nonionic, Waterâ€Soluble, and Hydrolysisâ€Resistant Polymer and/or Segment of Block Copolymer with a Wellâ€Defined Molecular Weight. Macromolecular Chemistry and Physics, 2009, 210, 349-358.	2.2	34
88	Efficient Anion Recognition Property of Three Dimensionally Clustered Amide Groups Organized on a Poly(phenylacetylene) Backbone. Macromolecules, 2009, 42, 1476-1481.	4.8	34
89	Synthesis and characterization of Eu(III) complexes of modified d-glucosamine and poly(N-isopropylacrylamide). Materials Science and Engineering C, 2017, 78, 603-608.	7.3	34
90	Thermochemical transformation of glucose to 1,6-anhydroglucose in high-temperature steam. Carbohydrate Research, 2008, 343, 848-854.	2.3	33

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91	Synthesis of Hardâ€“Softâ€“Hard Triblock Copolymers, Poly(2-naphthyl glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 752 T(ether]-block-poly(2-naphthyl glycidyl ether), for Solid Electrolytes. Macromolecules, 2018, 51, 2293-2301.	4.8	33
92	Multicyclic Polymer Synthesis through Controlled/Living Cyclopolymerization of Î±,Ï‰-Dinorbornenyl-Functionalized Macromonomers. Macromolecules, 2018, 51, 3855-3864.	4.8	33
93	Hierarchical Structures in Thin Films of Miktoarm Star Polymers: Poly(n-hexyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662	4.8	32
94	Thermoresponsive properties of 3-, 4-, 6-, and 12-armed star-shaped poly[2-(dimethylamino)ethyl methacrylate]s prepared by core-first group transfer polymerization. Polymer Chemistry, 2014, 5, 4701-4709.	3.9	32
95	Control over Molecular Architectures of Carbohydrate-Based Block Copolymers for Stretchable Electrical Memory Devices. Macromolecules, 2018, 51, 4966-4975.	4.8	32
96	Bis(4â€²-nitrophenyl) phosphate as an efficient organocatalyst for ringâ€opening polymerization of Î²â€²butyrolactone leading to endâ€functionalized and diblock polyesters. Journal of Polymer Science Part A, 2014, 52, 2032-2039.	2.3	31
97	Synthesis of Hyperbranched Carbohydrate Polymers by Ring-Opening Multibranching Polymerization of Anhydro Sugar. Macromolecular Bioscience, 2007, 7, 999-1009.	4.1	30
98	Fluorescence Turn-On Sensing of Anions Based on Disassembly Process of Urea-Functionalized Poly(phenylenebutadiynylene) Aggregates. Macromolecules, 2012, 45, 4122-4127.	4.8	30
99	Regio- and Stereoselectivity in Cationic Cyclopolymerizations of 1,2:5,6-Dianhydro-3,4-di-O-methyl-D-mannitol and -L-iditol and the Synthesis of Poly[(1.fwdarw.6)-2,5-anhydro-3,4-di-O-methyl-D-glucitol]. Macromolecules, 1995, 28, 5643-5648.	4.8	29
100	Syntheses of 3-arm and 4-arm star-branched polystyrene Ru(II) complexes by the click-to-chelate approach. Journal of Polymer Science Part A, 2011, 49, 746-753.	2.3	29
101	Self-Assembly of Maltoheptaose-block-polycaprolactone Copolymers: Carbohydrate-Decorated Nanoparticles with Tunable Morphology and Size in Aqueous Media. Macromolecules, 2016, 49, 4178-4194.	4.8	29
102	One-Step Production of Amphiphilic Nanofibrillated Cellulose Using a Cellulose-Producing Bacterium. Biomacromolecules, 2017, 18, 3432-3438.	5.4	29
103	Effect of a conjugated/elastic block sequence on the morphology and electronic properties of polythiophene based stretchable block copolymers. Polymer Chemistry, 2019, 10, 5452-5464.	3.9	29
104	Microphase separation of carbohydrate-based star-block copolymers with sub-10 nm periodicity. Polymer Chemistry, 2019, 10, 1119-1129.	3.9	29
105	Synthesis of Oligosaccharide-Based Block Copolymers with Pendent Ï€-Conjugated Oligofluorene Moieties and Their Electrical Device Applications. Macromolecules, 2015, 48, 3907-3917.	4.8	28
106	Unraveling the stress effects on the optical properties of stretchable rod-coil polyfluorene-poly(n-butyl acrylate) block copolymer thin films. Polymer Chemistry, 2018, 9, 3820-3831.	3.9	28
107	A versatile synthetic strategy for macromolecular cages: intramolecular consecutive cyclization of star-shaped polymers. Chemical Science, 2019, 10, 440-446.	7.4	28
108	Improving the performance of photonic transistor memory devices using conjugated block copolymers as a floating gate. Journal of Materials Chemistry C, 2021, 9, 1259-1268.	5.5	28

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109	Chiral discrimination of a helically organized crown ether array parallel to the helix axis of polyisocyanate. Journal of Polymer Science Part A, 2006, 44, 325-334.	2.3	27
110	Effect of chain architecture on the phase transition of star and cyclic poly(N-isopropylacrylamide) in water. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2059-2068.	2.1	27
111	Design and synthesis of thermoresponsive aliphatic polyethers with a tunable phase transition temperature. Polymer Chemistry, 2017, 8, 5698-5707.	3.9	27
112	Dynamic Changes of Intracellular Monomer Levels Regulate Block Sequence of Polyhydroxyalkanoates in Engineered Escherichia coli. Biomacromolecules, 2018, 19, 662-671.	5.4	27
113	Biodegradable Compatibilizers for Poly(hydroxyalkanoate)/Poly(Îµ-caprolactone) Blends through Click Reactions with End-Functionalized Microbial Poly(hydroxyalkanoate)s. ACS Sustainable Chemistry and Engineering, 2019, 7, 7969-7978.	6.7	27
114	Recyclable helical poly(phenylacetylene)â€supported catalyst for asymmetric aldol reaction in aqueous media. Journal of Polymer Science Part A, 2019, 57, 1024-1031.	2.3	27
115	Synthesis of Hyperbranched Carbohydrate Polymer by Ring-Opening Multibranching Polymerization of 1,4-Anhydroerythritol and 1,4-Anhydro-l-threitol. Macromolecules, 2004, 37, 3113-3119.	4.8	26
116	Synthesis and thermoresponsive properties of four-arm star-shaped poly(N-isopropylacrylamide)s bearing covalent and non-covalent cores. Polymer Chemistry, 2015, 6, 3608-3616.	3.9	26
117	Polyacetylenes as Colorimetric and Fluorescent Chemosensor for Anions. Polymer Reviews, 2017, 57, 159-174.	10.9	26
118	Synthesis of (1.fwdarw.6)-2,5-Anhydro-3,4-di-O-methyl-D-glucitol via Highly Regio- and Stereospecific Cyclopolymerization of 1,2:5,6-Dianhydro-3,4-di-O-methyl-D-mannitol with Potassium tert-Butoxide. Macromolecules, 1995, 28, 4762-4764.	4.8	25
119	End-functionalization of polystyrene by malto-oligosaccharide generating aggregation-tunable polymeric reverse micelle. Journal of Polymer Science Part A, 2006, 44, 4864-4879.	2.3	25
120	Structural effect of a series of block copolymers consisting of poly(N-isopropylacrylamide) and poly(N-hydroxyethylacrylamide) on thermoresponsive behavior. Reactive and Functional Polymers, 2009, 69, 463-469.	4.1	25
121	Pendant structure governed anion sensing property for sulfonamideâ€functionalized poly(phenylacetylene)s bearing various Î±â€amino acids. Journal of Polymer Science Part A, 2010, 48, 1683-1689.	2.3	25
122	Synthesis, Characterization, and Lectin Recognition of Hyperbranched Polysaccharide Obtained from 1,6-Anhydro-<scp>d</scp>-hexofuranose. Biomacromolecules, 2011, 12, 1891-1899.	5.4	25
123	Synthesis of end-functionalized poly(N-isopropylacrylamide) with group of asymmetrical phthalocyanine via atom transfer radical polymerization and its photocatalytic oxidation of Rhodamine B. Polymer Chemistry, 2011, 2, 2590.	3.9	25
124	Synthesis and characterization of well-defined thermo- and light-responsive diblock copolymers by atom transfer radical polymerization and click chemistry. Polymer Chemistry, 2011, 2, 2068.	3.9	25
125	InÂvitro synthesis of polyhydroxyalkanoates using thermostable acetyl-CoA synthetase, CoA transferase, and PHA synthase from thermotorelant bacteria. Journal of Bioscience and Bioengineering, 2016, 122, 660-665.	2.2	25
126	Chain-End Functionalization with a Saccharide for 10 nm Microphase Separation: â€œClassicalâ€• PS-b-PMMA versus PS-b-PMMA-Saccharide. Macromolecules, 2018, 51, 8870-8877.	4.8	25

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127	Glycoconjugated Polymer II. Synthesis of Polystyrene-block-poly(4-vinylbenzyl glucoside) and Polystyrene-block-poly(4-vinylbenzyl maltohexaoside) via 2,2,6,6-Tetramethylpiperidine-1-oxyl-Mediated Living Radical Polymerization.. Polymer Journal, 2001, 33, 939-945.	2.7	25
128	Glycoconjugated polymer 6. Synthesis of poly[styrene- block -(styrene- graft -amylose)] via potato phosphorylase-catalyzed polymerization. Polymer Bulletin, 2003, 49, 405-410.	3.3	24
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