

Takeshi Endo

List of Publications by Year in descending order

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papers

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535
times ranked

6903
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#	ARTICLE	IF	CITATIONS
1	Synthesis and copolymerization of fully bio-based benzoxazines from guaiacol, furfurylamine and stearylamine. <i>Green Chemistry</i> , 2012, 14, 2799.	4.6	256
2	Carbon dioxide and carbon disulfide as resources for functional polymers. <i>Progress in Polymer Science</i> , 2005, 30, 183-215.	11.8	215
3	Model reaction for the synthesis of polyhydroxyurethanes from cyclic carbonates with amines: Substituent effect on the reactivity and selectivity of ring-opening direction in the reaction of five-membered cyclic carbonates with amine. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3678-3685.	2.5	183
4	Star Polymer Synthesis from ϵ -Caprolactone Utilizing Polyol/Protonic Acid Initiator. <i>Macromolecules</i> , 2002, 35, 680-683.	2.2	175
5	Selective Formation of Poly(<i>N</i> , <i>O</i> -acetal) by Polymerization of 1,3-Benzoxazine and Its Main Chain Rearrangement. <i>Macromolecules</i> , 2008, 41, 9030-9034.	2.2	162
6	Polyaddition behavior of bis(five- and six-membered cyclic carbonate)s with diamine. <i>Journal of Polymer Science Part A</i> , 2001, 39, 860-867.	2.5	150
7	Structural analysis of polyhydroxyurethane obtained by polyaddition of bifunctional five-membered cyclic carbonate and diamine based on the model reaction. <i>Journal of Polymer Science Part A</i> , 2001, 39, 851-859.	2.5	140
8	A Highly Reactive Benzoxazine Monomer, 1-(2-Hydroxyethyl)-1,3-Benzoxazine: Activation of Benzoxazine by Neighboring Group Participation of Hydroxyl Group. <i>Macromolecules</i> , 2010, 43, 1185-1187.	2.2	139
9	Reactivity comparison of five- and six-membered cyclic carbonates with amines: Basic evaluation for synthesis of poly(hydroxyurethane). <i>Journal of Polymer Science Part A</i> , 2001, 39, 162-168.	2.5	135
10	A curing system of benzoxazine with amine: reactivity, reaction mechanism and material properties. <i>RSC Advances</i> , 2015, 5, 19048-19057.	1.7	130
11	Cationic Ring-Opening Polymerization of Cyclic Carbonates with Alkyl Halides To Yield Polycarbonate without the Ether Unit by Suppression of Elimination of Carbon Dioxide. <i>Macromolecules</i> , 1997, 30, 737-744.	2.2	121
12	Radical ring-opening polymerization. <i>Journal of Polymer Science Part A</i> , 2001, 39, 265-276.	2.5	115
13	Addition of five-membered cyclic carbonate with amine and its application to polymer synthesis. <i>Journal of Polymer Science Part A</i> , 2000, 38, 2375-2380.	2.5	107
14	One-pot non-isocyanate synthesis of polyurethanes from bisepoxide, carbon dioxide, and diamine. <i>Journal of Polymer Science Part A</i> , 2005, 43, 6613-6618.	2.5	107
15	Preparation of 1,3-Oxathiolane-2-thiones by the Reaction of Oxirane and Carbon Disulfide. <i>Journal of Organic Chemistry</i> , 1995, 60, 473-475.	1.7	106
16	Polyaddition of bis(seven-membered cyclic carbonate) with diamines: A novel and efficient synthetic method for polyhydroxyurethanes. <i>Journal of Polymer Science Part A</i> , 2001, 39, 4091-4100.	2.5	105
17	Highly efficient catalysts—acetylacetonato complexes of transition metals in the 4th period for ring-opening polymerization of 1,3-benzoxazine. <i>Journal of Polymer Science Part A</i> , 2010, 48, 479-484.	2.5	102
18	Synthesis and crosslinking behavior of a novel linear polymer bearing 1,2,3-triazol and benzoxazine groups in the main chain by a step-growth click-coupling reaction. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2316-2325.	2.5	100

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19	Toward Elucidating the Role of Number of Oxazine Rings and Intermediates in the Benzoxazine Backbone on Their Thermal Characteristics. <i>Macromolecules</i> , 2016, 49, 8466-8478.	2.2	98
20	Optically active poly(hydroxyurethane)s derived from cyclic carbonate and L-lysine derivatives. <i>Journal of Polymer Science Part A</i> , 1996, 34, 2173-2179.	2.5	97
21	Reaction of Various Oxiranes and Carbon Dioxide. Synthesis and Aminolysis of Five-Membered Cyclic Carbonates. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 713-719.	2.0	97
22	A Novel Construction of a Reversible Fixation~Release System of Carbon Dioxide by Amidines and Their Polymers. <i>Macromolecules</i> , 2004, 37, 2007-2009.	2.2	95
23	Reversible Trap~Release of CO ₂ by Polymers Bearing DBU and DBN Moieties. <i>Macromolecules</i> , 2008, 41, 1229-1236.	2.2	93
24	Feedstock Recycling of Flame-Resisting Poly(lactic acid)/Aluminum Hydroxide Composite to L-lactide. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1433-1437.	1.8	91
25	Polypeptide Functional Surface for the Aptamer Immobilization: Electrochemical Cocaine Biosensing. <i>Analytical Chemistry</i> , 2016, 88, 4161-4167.	3.2	91
26	Thermoinitiated cationic polymerization of epoxy resins by sulfonium salts. <i>Journal of Applied Polymer Science</i> , 1986, 32, 5727-5732.	1.3	88
27	Controlled Synthesis of Poly(N-ethyl-3-vinylcarbazole) and Block Copolymers via RAFT Polymerization. <i>Macromolecules</i> , 2005, 38, 8192-8201.	2.2	88
28	Synthesis and thermal properties of a bio~based polybenzoxazine with curing promoter. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2016-2023.	2.5	88
29	RAFT Polymerization of Acrylamide Derivatives Containing L-Phenylalanine Moiety. <i>Macromolecules</i> , 2006, 39, 4351-4360.	2.2	87
30	Synthesis of Ion Conductive Networked Polymers Based on an Ionic Liquid Epoxide Having a Quaternary Ammonium Salt Structure. <i>Macromolecules</i> , 2009, 42, 4580-4584.	2.2	87
31	Substituent effects of N-alkyl groups on thermally induced polymerization behavior of 1,3-benzoxazines. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2777-2782.	2.5	87
32	Xanthate-Mediated Controlled Radical Polymerization of N-Vinylcarbazole. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1005-1017.	1.1	84
33	A Novel Living Coordination Polymerization of Phenylallene Derivatives by η^5 -Allylnickel Catalyst. <i>Macromolecules</i> , 1997, 30, 7386-7390.	2.2	82
34	Amidine-mediated delivery of CO ₂ from gas phase to reaction system for highly efficient synthesis of cyclic carbonates from epoxides. <i>Green Chemistry</i> , 2010, 12, 42-44.	4.6	80
35	Incorporation of carbon dioxide into poly(glycidyl methacrylate). <i>Macromolecules</i> , 1992, 25, 4824-4825.	2.2	77
36	Proline-Based Block Copolymers Displaying Upper and Lower Critical Solution Temperatures. <i>Macromolecules</i> , 2010, 43, 1289-1298.	2.2	77

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37	Nucleophilic polyaddition in water based on chemo-selective reaction of cyclic carbonate with amine. <i>Green Chemistry</i> , 2005, 7, 765.	4.6	76
38	Synthesis and reaction of polymethacrylate bearing cyclic carbonate moieties in the side chain. <i>Die Makromolekulare Chemie</i> , 1992, 193, 1481-1492.	1.1	75
39	Effective synthesis of cyclic carbonates from carbon dioxide and epoxides by phosphonium iodides as catalysts in alcoholic solvents. <i>Tetrahedron Letters</i> , 2013, 54, 7031-7034.	0.7	73
40	Development and application of novel ring-opening polymerizations to functional networked polymers. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4847-4858.	2.5	72
41	Convenient synthesis of cyclic carbonates from CO ₂ and epoxides by simple secondary and primary ammonium iodides as metal-free catalysts under mild conditions and its application to synthesis of polymer bearing cyclic carbonate moiety. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1230-1242.	2.5	71
42	Silver-based, single-sided antibacterial cotton fabrics with improved durability via an l-cysteine binding effect. <i>Cellulose</i> , 2018, 25, 2129-2141.	2.4	71
43	Controlled ring-opening polymerization of cyclic carbonates and lactones by an activated monomer mechanism. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2190-2198.	2.5	68
44	Salt effect on polyaddition of bifunctional cyclic carbonate and diamine. <i>Journal of Polymer Science Part A</i> , 2005, 43, 6282-6286.	2.5	68
45	Radical polymerization behavior of 1,1-disubstituted 2-vinylcyclopropanes. <i>Macromolecules</i> , 1993, 26, 1818-1824.	2.2	66
46	Synthesis of Rare-metal Absorbing Polymer by Three-component Polyaddition through Combination of Chemo-selective Nucleophilic and Radical Additions. <i>Journal of the American Chemical Society</i> , 2009, 131, 1636-1637.	6.6	64
47	Amphiphilic Copolymer Having Acid-Labile Acetal in the Side Chain as a Hydrophobe: Controlled Release of Aldehyde by Thermoresponsive Aggregation/Dissociation of Polymer Micelles. <i>Macromolecules</i> , 2009, 42, 2229-2235.	2.2	63
48	Control of racemization for feedstock recycling of PLLA. <i>Green Chemistry</i> , 2003, 5, 575-579.	4.6	62
49	Anionic Ring-Opening Polymerization of Methyl 4,6-O-Benzylidene-2,3-O-carbonyl- β -D-glucopyranoside: A First Example of Anionic Ring-Opening Polymerization of Five-Membered Cyclic Carbonate without Elimination of CO ₂ . <i>Macromolecules</i> , 2005, 38, 3562-3563.	2.2	62
50	Reworkable Polyhydroxyurethane Films with Reversible Acetal Networks Obtained from Multifunctional Six-Membered Cyclic Carbonates. <i>Journal of the American Chemical Society</i> , 2018, 140, 884-887.	6.6	62
51	Design of latent catalysts and their application to polymer synthesis. <i>Macromolecular Symposia</i> , 1996, 107, 237-242.	0.4	61
52	Synthesis and Chemical Recycling of a Polycarbonate Obtained by Anionic Ring-Opening Polymerization of a Bifunctional Cyclic Carbonate. <i>Macromolecules</i> , 2005, 38, 8177-8182.	2.2	61
53	Ring-Opening Polymerization with Expansion in Volume. <i>ACS Symposium Series</i> , 1977, , 38-59.	0.5	57
54	Cyclic carbonates, novel expandable monomers on polymerization. <i>Macromolecular Rapid Communications</i> , 1997, 18, 461-469.	2.0	57

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55	Polymerization–Depolymerization System Based on Reversible Addition-Dissociation Reaction of 1,3-Benzoxazine with Thiol. ACS Macro Letters, 2013, 2, 1-4.	2.3	57
56	Acceleration effect of allyl group on thermally induced ring-opening polymerization of 1,3-benzoxazine. Journal of Polymer Science Part A, 2010, 48, 5357-5363.	2.5	55
57	Novel benzyl sulfonium salt having an aromatic group on sulfur atom as a latent thermal initiator. Journal of Polymer Science Part A, 1991, 29, 1675-1680.	2.5	54
58	Controlled RAFT Polymerization of Vinylphthalimide and its Hydrazinolysis to Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	54
59	Synthesis of 1-H ⁺ quinazoline ^{2,4} diones from 2-aminobenzonitriles by fixation of carbon dioxide with amidine moiety supported polymer at atmospheric pressure. Journal of Polymer Science Part A, 2009, 47, 653-657.	2.5	54
60	Dual-Stimuli-Responsive Block Copolymers Derived from Proline Derivatives. Macromolecules, 2009, 42, 4985-4992.	2.2	54
61	Synthesis of networked polymers by copolymerization of monoepoxy-substituted lithium sulfonylimide and diepoxy-substituted poly(ethylene glycol), and their properties. Journal of Polymer Science Part A, 2011, 49, 1874-1880.	2.5	53
62	Synthesis of polybenzoxazine/clay nanocomposites by <i>in situ</i> thermal ring-opening polymerization using intercalated monomer. Journal of Polymer Science Part A, 2011, 49, 4213-4220.	2.5	53
63	Synthesis and characterization of conducting polymers containing polypeptide and ferrocene side chains as ethanol biosensors. Polymer Chemistry, 2014, 5, 6295-6306.	1.9	52
64	Anionic ring-opening polymerization of a five-membered cyclic carbonate having a glucopyranoside structure. Journal of Polymer Science Part A, 2013, 51, 1651-1655.	2.5	51
65	Controlled monomer insertion into polymer main chain: synthesis of sequence ordered polystyrene containing thiourethane and trithiocarbonate units by the RAFT process Electronic supplementary information (ESI) available: 1H and 13C-NMR spectra of polymer precursor 4 and polymer 5. See http://www.rsc.org/suppdata/cc/b2/b205523f/ . Chemical Communications, 2002, , 1946-1947.	2.2	48
66	Synthesis and properties of polyhydroxyurethane bearing silicone backbone. Journal of Polymer Science Part A, 2014, 52, 1113-1118.	2.5	48
67	Synthesis and properties of fluorene-based fluorinated polymers. Journal of Polymer Science Part A, 2001, 39, 3143-3150.	2.5	47
68	Fabrication of asymmetrically superhydrophobic cotton fabrics via mist copolymerization of 2,2,2-trifluoroethyl methacrylate. Journal of Polymer Science Part A, 2015, 53, 1862-1871.	2.5	47
69	Synthesis and Properties of Spiro-Centered Benzoxazines. Macromolecules, 2015, 48, 7466-7472.	2.2	47
70	Polymer Reaction of Epoxide and Carbon Dioxide. Incorporation of Carbon Dioxide into Epoxide Polymers. Macromolecules, 1995, 28, 4701-4706.	2.2	46
71	Polypeptide with electroactive endgroups as sensing platform for the abused drug –methamphetamine–™ by bioelectrochemical method. Talanta, 2016, 161, 789-796.	2.9	46
72	Electrochemical deposition of polypeptides: bio-based covering materials for surface design. Polymer Chemistry, 2014, 5, 3929-3936.	1.9	45

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73	A Novel Synthetic Approach to Networked Polymers without Volume Shrinkage on Cross-Linking Polymerization: A Cationic Copolymerization of a Monofunctional Epoxide and a Spiro Orthocarbonate Bearing Norbornene Backbone. <i>Macromolecules</i> , 2003, 36, 5902-5904.	2.2	44
74	Functional RAFT agents for radical-controlled polymerization: Quantitative synthesis of trithiocarbonates containing functional groups as RAFT agents using equivalent amount of CS ₂ . <i>Journal of Polymer Science Part A</i> , 2009, 47, 3702-3709.	2.5	44
75	Ring-opening polymerization of 1,3-benzoxazines by <i>p</i> -toluenesulfonates as thermally latent initiators. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3631-3636.	2.5	44
76	Revolutionary phosgene-free synthesis of α -amino acid <i>N</i> -carboxyanhydrides using diphenyl carbonate based on activation of α -amino acids by converting into imidazolium salts. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4351-4355.	2.5	43
77	Hyperbranched Triphenylamine Polymer for UltraFast Battery Cathode. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6346-6353.	4.0	43
78	Living Coordination Polymerization of <i>N</i> -Allenylamides by η^5 -Allylnickel Catalysts. <i>Macromolecules</i> , 1998, 31, 6741-6747.	2.2	41
79	Physically Controlled Radical Polymerization of Vaporized Vinyl Monomers on Surfaces. Synthesis of Block Copolymers of Methyl Methacrylate and Styrene with a Conventional Free Radical Initiator. <i>Macromolecules</i> , 2003, 36, 5974-5981.	2.2	40
80	Six-Membered Cyclic Carbonate Having Styrene Moiety as a Chemically Recyclable Monomer. Construction of Novel Cross-Linking/De-Cross-Linking System of Network Polymers. <i>Macromolecules</i> , 2005, 38, 7944-7949.	2.2	40
81	Synthesis and Thermal Properties of Difunctional Benzoxazines with Attached Oxazine Ring at the <i>Para</i> -, <i>Meta</i> -, and <i>Ortho</i> -Position. <i>Macromolecules</i> , 2017, 50, 3476-3488.	2.2	40
82	Anionic Ring-Opening Polymerization of μ -Thionocaprolactone. <i>Macromolecules</i> , 1999, 32, 8010-8014.	2.2	39
83	Reversible Photo-Mechanical Switching Behavior of Azobenzene-Containing Semi-Interpenetrating Network under UV and Visible Light Irradiation. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 2106-2111.	1.1	39
84	Phosgene-free synthesis of <i>N</i> -carboxyanhydrides of α -amino acids based on bisarylcarbonates as starting compounds. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5365-5370.	2.5	39
85	Preparation of pH-sensitive hydrogel microspheres of poly(acrylamide-co-methacrylic acid) with sharp pH-volume transition. <i>Colloid and Polymer Science</i> , 2007, 285, 819-826.	1.0	39
86	Deterioration behavior of cellulose acetate films in acidic or basic aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3354-3361.	1.3	37
87	Structures and Chiroptical Properties of Thermoresponsive Block Copolymers Containing α -Proline Moieties. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1908-1918.	1.1	37
88	Useful synthetic method of polypeptides with well-defined structure by polymerization of activated urethane derivatives of α -amino acids. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2527-2532.	2.5	37
89	Phosgene-free synthesis of polypeptides: Useful synthesis for hydrophobic polypeptides through polycondensation of activated urethane derivatives of α -amino acids. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3726-3731.	2.5	37
90	Free radical ring-opening polymerization and its use to make biodegradable polymers and functionally terminated oligomers. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1986, 6, 81-100.	0.6	36

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91	Controlled Cationic Ring-Opening Polymerization of 1,3-Oxazolidine-2-thione Derived from L-Serine. <i>Macromolecules</i> , 2003, 36, 9335-9339.	2.2	36
92	Synthesis of novel tri- ϵ -benzoxazine and effect of phenolic nucleophiles on its ring-opening polymerization. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2811-2819.	2.5	36
93	Synthesis and crosslinking reaction of poly(hydroxyurethane) bearing a secondary amine structure in the main chain. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5899-5905.	2.5	35
94	Preparation of Amphoteric Microgels of Poly(acrylamide/methacrylic acid/dimethylamino ethylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.2	35
95	Synthesis and properties of polyurethanes bearing urethane moieties in the side chain. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3408-3414.	2.5	35
96	Methacrylate-based ionic liquid: radical polymerization/copolymerization with methyl methacrylate and evaluation of molecular weight of the obtained homopolymers. <i>Polymer Bulletin</i> , 2011, 66, 199-210.	1.7	35
97	Remarkably Efficient Catalysts of Amidine Hydroiodides for the Synthesis of Cyclic Carbonates from Carbon Dioxide and Epoxides under Mild Conditions. <i>Chemistry Letters</i> , 2012, 41, 240-241.	0.7	35
98	Facile synthesis and crosslinking reaction of trifunctional five-membered cyclic carbonate and dithiocarbonate. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5983-5989.	2.5	34
99	Synthesis of networked polymer based on ring-opening addition reaction of 1,3- ϵ -benzoxazine with resorcinol. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4756-4761.	2.5	34
100	Anionic Alternating Copolymerizability of Epoxide and 3,4-Dihydrocoumarin by Imidazole. <i>Macromolecules</i> , 2007, 40, 6535-6539.	2.2	33
101	Photomechanical Switching Behavior of Semi-Interpenetrating Polymer Network Consisting of Azobenzene-Carrying Crosslinked Poly(vinyl ether) and Polycarbonate. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1032-1036.	2.0	32
102	Synthesis and Properties of Polycarbosilanes Having 5-Membered Cyclic Carbonate Groups as Solid Polymer Electrolytes. <i>Macromolecules</i> , 2016, 49, 9441-9448.	2.2	32
103	Controlled Radical Polymerization of Vaporized Vinyl Monomers on Solid Surfaces under UV Irradiation. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 492-499.	1.1	31
104	Synthesis of Star Polymers Based on Xanthate-Mediated Controlled Radical Polymerization of N-Vinylcarbazole. <i>Macromolecular Symposia</i> , 2007, 249-250, 406-411.	0.4	31
105	Polymer-supported pyridinium catalysts for synthesis of cyclic carbonate by reaction of carbon dioxide and oxirane. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5673-5678.	2.5	31
106	Preparation and properties of ionic liquid-containing poly(ethylene glycol)-based networked polymer films having lithium salt structures. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3582-3587.	2.5	31
107	Synthesis and polymerization of .gamma.-trichloroethyl-L-glutamate N-carboxyanhydride: a polypeptide that can be functionalized with a nucleophilic agent. <i>Journal of the American Chemical Society</i> , 1988, 110, 2016-2017.	6.6	30
108	Radical Ring-Opening Polymerization of Novel Vinylcyclopropanes Designed as Low Shrinkage Monomers. Structure of the Polymer, Mechanism of the Polymerization, and Volume Change on the Polymerization. <i>Macromolecules</i> , 1995, 28, 1346-1355.	2.2	30

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109	Synthesis of polypeptides from activated urethane derivatives of α -amino acids. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2525-2535.	2.5	30
110	Synthesis of Eight-Membered Lactone Having Tertiary Amine Moiety by Ring-Expansion Reaction of 1,3-Benzoxazine and Its Anionic Ring-Opening Polymerization Behavior. <i>Macromolecules</i> , 2009, 42, 2327-2329.	2.2	30
111	Synthesis of amphiphilic polyacetal by polycondensation of aldehyde and polyethylene glycol as an acid-labile polymer for controlled release of aldehyde. <i>Journal of Polymer Science Part A</i> , 2011, 49, 596-602.	2.5	30
112	Synthesis of polymers bearing 1,3-benzoxazine moiety in the side chains from poly(allylamine) and their crosslinking behaviors. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3174-3183.	2.5	30
113	Synthesis and Characterization of Hyperbranched Poly(β -ketoester) by the Michael Addition. <i>Macromolecular Materials and Engineering</i> , 2004, 289, 923-926.	1.7	29
114	Assembled Structures and Chiroptical Properties of Amphiphilic Block Copolymers Synthesized by RAFT Polymerization of <i>N</i> -Acryloyl-L-alanine. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2100-2112.	1.1	29
115	Accelerating effects of <i>N</i> -acryloyl- <i>N</i> -(α -dialkyl ureas) on epoxy-dicyandiamide curing system. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5298-5305.	2.5	29
116	Conductive networked polymer gel electrolytes composed of poly(meth)acrylate, lithium salt, and ionic liquid. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1317-1324.	2.5	29
117	Syntheses of 2-phenyl-3-vinylloxirane derivatives that undergo radical ring-opening polymerization. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1985, 23, 1931-1938.	0.8	28
118	Cationic polymerization with <i>p</i> -substituted benzyl <i>p</i> -hydroxyphenyl methyl sulfonium salts: Effect of substituents and mechanistic aspects of initiation reaction. <i>Journal of Polymer Science Part A</i> , 1993, 31, 1023-1028.	2.5	28
119	Reversible crosslinking-decrosslinking of polymers having bicyclo orthoester moieties in the side chains. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 1268-1273.	1.1	28
120	Cationic Ring-Opening Polymerization of Five-Membered Cyclic Thiocarbonate Bearing an Adamantane Moiety via Selective Ring-Opening Direction. <i>Macromolecules</i> , 2002, 35, 5769-5773.	2.2	28
121	Radical polymerization behavior of a vinyl monomer bearing five-membered cyclic carbonate structure and reactions of the obtained polymers with amines. <i>Journal of Polymer Science Part A</i> , 2005, 43, 584-592.	2.5	28
122	Ring-Opening RAFT Polymerization Based on Aromatization as Driving Force: Synthesis of Well-Defined Polymers Containing Anthracene Units in the Main Chain. <i>Macromolecules</i> , 2006, 39, 5976-5978.	2.2	28
123	Imidazole-promoted copolymerization of epoxide and 3,4-dihydrocoumarin and its application to a high-performance curing system. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3798-3802.	2.5	28
124	Convenient synthesis of poly(<i>N</i> -benzyl-L-glutamate) from activated urethane derivatives of <i>N</i> -benzyl-L-glutamate. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2649-2657.	2.5	28
125	Anionic alternating copolymerization of 3,4-dihydrocoumarin and glycidyl ethers: A new approach to polyester synthesis. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4092-4102.	2.5	28
126	RAFT Polymerization of Vinylthiophene Derivatives and Synthesis of Block Copolymers Having Cross-Linkable Segments. <i>Macromolecules</i> , 2009, 42, 7342-7352.	2.2	28

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127	Bioapplications of Polythiophene-g-Polyphenylalanine-Covered Surfaces. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1868-1878.	1.1	28
128	Preparation of a zwitterionic polymer based on α -cysteine for recovery application of precious metals. <i>RSC Advances</i> , 2016, 6, 108689-108696.	1.7	28
129	Radical ring-opening polymerization and copolymerization with expansion in volume. <i>Journal of Polymer Science, Polymer Symposia</i> , 1978, 64, 17-26.	0.1	27
130	Synthesis of highly polymerizable 1,3-benzoxazine assisted by phenyl thio ether and hydroxyl moieties. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1457-1461.	2.5	27
131	Phosgene-free synthesis of polypeptides using activated urethane derivatives of α -amino acids: an efficient synthetic approach to hydrophilic polypeptides. <i>RSC Advances</i> , 2014, 4, 29890-29896.	1.7	27
132	Free-Radical Ring-Opening Polymerization. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1984, 21, 1611-1639.	0.4	26
133	Novel pyridinium salts as cationic thermal and photoinitiators and their photosensitization properties. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1037-1046.	2.5	26
134	Generation of radical species on polypropylene by alkylborane-oxygen system and its application to graft polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 6163-6167.	2.5	26
135	Synthesis of optically active polyurethanes by self-polyaddition of tyrosine-based monomers. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1143-1153.	2.5	25
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527	Cover Image, Volume 69, Issue 3. <i>Polymer International</i> , 2020, 69, i.	1.6	0
528	618 Analysis of high strain rate plastic deformation of steel considering thermally activated dislocation motions. <i>The Proceedings of Autumn Conference of Tohoku Branch</i> , 2005, 2005.41, 255-256.	0.0	0
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