

Yoshiharu Kimura

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268
papers

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h-index

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291
ext. papers

8,655
ext. citations

4.2
avg, IF

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L-index

#	Paper	IF	Citations
268	A bacterium that degrades and assimilates poly(ethylene terephthalate). <i>Science</i> , 2016 , 351, 1196-9	33.3	967
267	Stereocomplexed polylactides (Neo-PLA) as high-performance bio-based polymers: their formation, properties, and application. <i>Polymer International</i> , 2006 , 55, 626-642	3.3	367
266	Melt polycondensation of L-lactic acid with Sn(II) catalysts activated by various proton acids: A direct manufacturing route to high molecular weight Poly(L-lactic acid). <i>Journal of Polymer Science Part A</i> , 2000 , 38, 1673-1679	2.5	191
265	Biodegradation of PET: Current Status and Application Aspects. <i>ACS Catalysis</i> , 2019 , 9, 4089-4105	13.1	162
264	Controlled crystal nucleation in the melt-crystallization of poly(L-lactide) and poly(L-lactide)/poly(D-lactide) stereocomplex. <i>Polymer</i> , 2003 , 44, 5635-5641	3.9	160
263	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers. <i>Macromolecular Bioscience</i> , 2001 , 1, 204-208	5.5	151
262	Stereocomplex formation between enantiomeric poly(lactic acid). VIII. Complex fibers spun from mixed solution of poly(D-lactic acid) and poly(L-lactic acid). <i>Journal of Applied Polymer Science</i> , 1994 , 51, 337-344	2.9	132
261	Stereoblock Polylactides as High-Performance Bio-Based Polymers. <i>Polymer Reviews</i> , 2009 , 49, 107-140	14	130
260	Properties and Biodegradability of Polymer Blends of Poly(L-lactide)s with Different Optical Purity of the Lactate Units. <i>Macromolecular Materials and Engineering</i> , 2002 , 287, 116-121	3.9	115
259	Application of silica-containing nano-composite emulsion to wall paint: A new environmentally safe paint of high performance. <i>Progress in Organic Coatings</i> , 2006 , 55, 276-283	4.8	112
258	Synthesis and damage specificity of a novel probe for the detection of abasic sites in DNA. <i>Biochemistry</i> , 1993 , 32, 8276-83	3.2	110
257	Tissue-engineered acellular small diameter long-bypass grafts with neointima-inducing activity. <i>Biomaterials</i> , 2015 , 58, 54-62	15.6	102
256	Higher-order structures and mechanical properties of stereocomplex-type poly(lactic acid) melt spun fibers. <i>Polymer</i> , 2006 , 47, 5965-5972	3.9	102
255	¹¹ B n.m.r. study on the reaction of poly(vinyl alcohol) with boric acid. <i>Polymer</i> , 1988 , 29, 336-340	3.9	102
254	Stereoblock poly(lactic acid): synthesis via solid-state polycondensation of a stereocomplexed mixture of poly(L-lactic acid) and poly(D-lactic acid). <i>Macromolecular Bioscience</i> , 2005 , 5, 21-9	5.5	101
253	An efficient solid-state polycondensation method for synthesizing stereocomplexed poly(lactic acid)s with high molecular weight. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 3714-3722	2.5	99
252	Enhanced stereocomplex formation of poly(L-lactic acid) and poly(D-lactic acid) in the presence of stereoblock poly(lactic acid). <i>Macromolecular Bioscience</i> , 2007 , 7, 829-35	5.5	98

251	Alpha-deoxyadenosine, a major anoxic radiolysis product of adenine in DNA, is a substrate for Escherichia coli endonuclease IV. <i>Biochemistry</i> , 1994 , 33, 7842-7	3.2	96
250	Microstructure and Thermal Properties of Polylactides with Different L- and D-Unit Sequences: Importance of the Helical Nature of the L-Sequenced Segments. <i>Macromolecular Materials and Engineering</i> , 2003 , 288, 137-143	3.9	91
249	Production of D-lactic acid by bacterial fermentation of rice starch. <i>Macromolecular Bioscience</i> , 2004 , 4, 1021-7	5.5	89
248	Thermomechanical properties of stereoblock poly(lactic acid)s with different PLLA/PDLA block compositions. <i>Polymer</i> , 2008 , 49, 2656-2661	3.9	87
247	Synthesis and Properties of High-Molecular-Weight Poly(L-Lactic Acid) by Melt/Solid Polycondensation under Different Reaction Conditions. <i>High Performance Polymers</i> , 2001 , 13, S189-S196 ^{1.6}		82
246	Synthesis and Characterization of Stereoblock Poly(lactic acid)s with Nonequivalent D/L Sequence Ratios. <i>Macromolecules</i> , 2007 , 40, 3049-3055	5.5	78
245	Linear type azo-containing polyurethane as drug-coating material for colon-specific delivery: its properties, degradation behavior, and utilization for drug formulation. <i>Journal of Controlled Release</i> , 2000 , 66, 187-97	11.7	76
244	Stepwise Assembly of Enantiomeric Poly(lactide)s on Surfaces. <i>Macromolecules</i> , 2001 , 34, 1996-2001	5.5	76
243	Crystal transformation and micropore formation during uniaxial drawing of Form polypropylene film. <i>Polymer</i> , 1995 , 36, 2523-2530	3.9	73
242	Induced Crystallization of PLLA in the Presence of 1,3,5-Benzenetricarboxylamide Derivatives as Nucleators: Preparation of Haze-Free Crystalline PLLA Materials. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 460-468	3.9	70
241	Melt polycondensation of L-lactic acid to poly(L-lactic acid) with Sn(II) catalysts combined with various metal alkoxides. <i>Polymer International</i> , 2003 , 52, 299-303	3.3	70
240	Microbial production of poly(hydroxyalkanoate)s from waste edible oils. <i>Green Chemistry</i> , 2003 , 5, 545-548		70
239	Structure and gas permeability of microporous films prepared by biaxial drawing of Form polypropylene. <i>Polymer</i> , 1996 , 37, 573-579	3.9	69
238	Microvoid formation process during the plastic deformation of Form polypropylene. <i>Polymer</i> , 1994 , 35, 3442-3448	3.9	69
237	Copolymerization of 3-(S)-[(benzyloxycarbonyl)methyl]-1,4-dioxane-2,5-dione and L-lactide: a facile synthetic method for functionalized bioabsorbable polymer. <i>Polymer</i> , 1993 , 34, 1741-1748	3.9	68
236	Synthesis and properties of high-molecular-weight stereo di-block polylactides with nonequivalent D/L ratios. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 794-801	2.5	65
235	Hydrogel formation between enantiomeric B-A-B-type block copolymers of polylactides (PLLA or PDLA: A) and polyoxyethylene (PEG: B); PEG-PLLA-PEG and PEG-PDLA-PEG. <i>Macromolecular Bioscience</i> , 2004 , 4, 361-7	5.5	65
234	Synthesis and properties of malic acid-containing functional polymers. <i>International Journal of Biological Macromolecules</i> , 1999 , 25, 265-71	7.9	61

233	Molecular, Structural, and Material Design of Bio-Based Polymers. <i>Polymer Journal</i> , 2009 , 41, 797-807	2.7	59
232	Mechanical and Thermal Properties of Poly(L-lactide) Incorporating Various Inorganic Fillers with Particle and Whisker Shapes. <i>Macromolecular Materials and Engineering</i> , 2003 , 288, 562-568	3.9	58
231	Reaction Mechanism of Enzymatic Degradation of Poly(butylene succinate-co-terephthalate) (PBST) with a Lipase Originated from <i>Pseudomonas cepacia</i> . <i>Macromolecular Bioscience</i> , 2003 , 3, 189-197	5.5	57
230	Self-Organization of Diblock and Triblock Copolymers of Poly(l-lactide) and Poly(oxyethylene) into Nanostructured Bands and Their Network System. Proposition of a Doubly Twisted Chain Conformation of Poly(l-lactide). <i>Macromolecules</i> , 2001 , 34, 4043-4050	5.5	55
229	Solid-State Postpolymerization of l-Lactide Promoted by Crystallization of Product Polymer: An Effective Method for Reduction of Remaining Monomer. <i>Macromolecules</i> , 1997 , 30, 6438-6444	5.5	54
228	A Novel Synthetic Approach to Stereo-Block Poly(lactic acid). <i>Macromolecular Symposia</i> , 2005 , 224, 133-144	4.8	52
227	Microstructure and Thermomechanical Properties of Glassy Polylactides with Different Optical Purity of the Lactate Units. <i>Macromolecular Materials and Engineering</i> , 2001 , 286, 705	3.9	52
226	Surface and morphological characterization of polysiloxane-block-polyimides. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 2239-2251	2.5	51
225	Macromolecular Organization of Poly(L-lactide)-block-Polyoxyethylene into Bio-Inspired Nano-Architectures. <i>Macromolecular Bioscience</i> , 2002 , 2, 11-23	5.5	49
224	Protecting-Group-Free Synthesis of Glycopolymers Bearing Sialyloligosaccharide and Their High Binding with the Influenza Virus. <i>ACS Macro Letters</i> , 2014 , 3, 1074-1078	6.6	48
223	Higher order structural analysis of stereocomplex-type poly(lactic acid) melt-spun fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 218-228	2.6	47
222	Novel adhesion prevention membrane based on a bioresorbable copoly(ester-ether) comprised of poly-L-lactide and Pluronic: in vitro and in vivo evaluations. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 54, 470-9		43
221	Efficient formation of stereocomplexes of poly(L-lactide) and poly(D-lactide) by terminal Diels-Alder coupling. <i>Polymer International</i> , 2010 , 59, 1526-1530	3.3	41
220	Effect of steric hindrance on hydrogen-bonding interaction between polyesters and natural polyphenol catechin. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 3565-3573	2.9	40
219	Synthesis of stereo multiblock polylactides by dual terminal couplings of poly-L-lactide and poly-D-lactide prepolymers: A new route to high-performance polylactides. <i>Polymer</i> , 2012 , 53, 6053-6062	3.9	39
218	Electrospinning of Continuous Aligning Yarns with a Bunnell Target. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 660-665	3.9	39
217	Intriguing morphology transformation due to the macromolecular rearrangement of poly(l-lactide)-block-poly(oxyethylene): from core-shell nanoparticles to band structures via fragments of unimolecular size. <i>Polymer</i> , 2001 , 42, 1515-1523	3.9	39
216	Synthesis and properties of stereo di- and tri-block polylactides of different block compositions by terminal Diels-Alder coupling of poly-L-lactide and poly-D-lactide prepolymers. <i>Polymer Journal</i> , 2013 , 45, 427-435	2.7	37

215	Influence of alpha-deoxyadenosine on the stability and structure of DNA. Thermodynamic and molecular mechanics studies. <i>Biochemistry</i> , 1995 , 34, 6947-55	3.2	37
214	Polymerization via Betaine. III. Alternating Copolymerization of 2-Oxazoline with Acrylic Acid Involving Proton Transfer of the Acid. <i>Macromolecules</i> , 1974 , 7, 139-140	5.5	37
213	Alkaline Hydrolysis of Enantiomeric Poly(lactide)s Stereocomplex Deposited on Solid Substrates. <i>Macromolecules</i> , 2003 , 36, 1762-1765	5.5	36
212	Crystallization-Induced Morphological Changes of a Poly(l-lactide)/Poly(oxyethylene) Diblock Copolymer from Sphere to Band via Disk: A Novel Macromolecular Self-Organization Process from Core/Shell Nanoparticles on Surface. <i>Macromolecules</i> , 2000 , 33, 2782-2785	5.5	35
211	No Catalyst Copolymerization by Spontaneous Initiation Mechanism. <i>Pure and Applied Chemistry</i> , 1976 , 48, 307-315	2.1	35
210	Synthesis and Thermomechanical Properties of Stereo Triblock Polylactides With Nonequivalent Block Compositions. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 695-704	2.6	34
209	Mechanism of Enzymatic Hydrolysis of Poly(butylene succinate) and Poly(butylene succinate-co-L-lactate) with a Lipase from <i>Pseudomonas cepacia</i> . <i>Macromolecular Bioscience</i> , 2002 , 2, 447-455	5.5	34
208	Polymerization via Zwitterion. 12. Novel 1:1:1 Alternating Terpolymerizations of 2-Phenyl-1,3,2-dioxaphospholane, Electron Deficient Vinyl Monomers of Acrylonitrile and Acrylate, and Carbon Dioxide. <i>Macromolecules</i> , 1977 , 10, 68-72	5.5	34
207	Synthesis and Properties of ABA Block Copoly(ester-ethers) Comprising Poly(L-lactide) (A) and Poly(oxypropylene-co-oxyethylene) (B) with Different Molecular Weights. <i>Bulletin of the Chemical Society of Japan</i> , 1996 , 69, 1787-1795	5.1	33
206	No Catalyst Copolymerization by Spontaneous Initiation. A New Method of Preparation of Alternating Copolymers. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1975 , 9, 641-661		33
205	Fabrication of Aligned Poly(L-lactide) Fibers by Electrospinning and Drawing. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 658-665	3.9	32
204	Preparation of spherical nanocomposites consisting of silica core and polyacrylate shell by emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 659-669	2.9	32
203	Response to Comment on "A bacterium that degrades and assimilates poly(ethylene terephthalate)". <i>Science</i> , 2016 , 353, 759	33.3	31
202	A New Formation Process of Poly(phenylsilsesquioxane) in the Hydrolytic Polycondensation of Trichlorophenylsilane. Isolation of Low Molecular Weight Hydrolysates to Form High Molecular Weight Polymers at Mild Reaction Conditions. <i>Polymer Journal</i> , 1997 , 29, 678-684	2.7	31
201	Poly(lactide) swelling and melting behavior in supercritical carbon dioxide and post-venting porous material. <i>Biomacromolecules</i> , 2005 , 6, 2370-3	6.9	31
200	Structural Characterization and Enzymatic Degradation of α and β Crystalline Forms for Poly(ϵ -propiolactone). <i>Macromolecular Bioscience</i> , 2003 , 3, 462-470	5.5	31
199	Replication of DNA templates containing the alpha-anomer of deoxyadenosine, a major adenine lesion produced by hydroxyl radicals. <i>Biochemistry</i> , 1994 , 33, 7127-33	3.2	31
198	Mechanism of enzymatic degradation of poly(butylene succinate). <i>Macromolecular Research</i> , 2008 , 16, 651-658	1.9	30

197	Structural Regularity of Poly(phenylsilsesquioxane) Prepared from the Low Molecular Weight Hydrolysates of Trichlorophenylsilane. <i>Polymer Journal</i> , 1998 , 30, 234-242	2.7	30
196	Hydrogen-Transfer Polymerization of Acrylic Acid to Poly(ϵ -propiolactone). <i>Macromolecules</i> , 1974 , 7, 256-258	5.5	30
195	Polymerization via Zwitterion. 14. Alternating Copolymerizations of Cyclic Imino Ethers with Acrylic Acid and with ϵ -Propiolactone. <i>Macromolecules</i> , 1977 , 10, 236-239	5.5	30
194	X-Ray and Electron Diffraction Study of Poly(p-dioxanone). <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1943-1947	4.8	29
193	Polymerization via Zwitterion. 9. Alternating Copolymerizations of 2-Phenyl-1,3,2-dioxaphospholane with Electrophilic Monomers of Acrylic Acid, ϵ -Propiolactone, and Acrylamide. <i>Macromolecules</i> , 1976 , 9, 724-727	5.5	29
192	Polymerization via Betaine. II. Alternating Copolymerization of 2-Oxazoline with ϵ -Lactones. <i>Macromolecules</i> , 1974 , 7, 1-4	5.5	28
191	Biodegradation of waste PET: A sustainable solution for dealing with plastic pollution. <i>EMBO Reports</i> , 2019 , 20, e49365	6.5	27
190	Strengthening of hydrogels made from enantiomeric block copolymers of polylactide (PLA) and poly(ethylene glycol) (PEG) by the chain extending Diels-Alder reaction at the hydrophilic PEG terminals. <i>Polymer</i> , 2015 , 67, 157-166	3.9	26
189	Synthesis of ABCBA penta stereoblock polylactide copolymers by two-step ring-opening polymerization of L- and D-lactides with poly(3-methyl-1,5-pentylene succinate) as macroinitiator (C): development of flexible stereocomplexed polylactide materials. <i>Biomacromolecules</i> , 2013 , 14, 2154-61	6.9	26
188	Copolymerization of ϵ -valerolactone and ϵ -butyrolactone. <i>European Polymer Journal</i> , 1998 , 34, 117-122	5.2	26
187	Structural Characterization and Degradability of Poly(L-lactic acid)s Incorporating Phenyl-Substituted ϵ -Hydroxy Acids as Comonomers. <i>Macromolecular Bioscience</i> , 2003 , 3, 301-309	5.5	26
186	Synthesis and Polycondensation of a Cyclic Oligo(phenylsilsesquioxane) as a Model Reaction for the Formation of Poly(silsesquioxane) Ladder Polymer. <i>Polymer Journal</i> , 1998 , 30, 730-735	2.7	26
185	Novel melt-processable poly[(acyloxy)aloxane] as alumina precursor. <i>Macromolecules</i> , 1989 , 22, 79-85	5.5	26
184	Polymerization via Zwitterion. VI. A Novel Alternating Copolymerization of Acrylamide with Cyclic Imino Ethers Involving Proton Transfer of the Amide. <i>Macromolecules</i> , 1975 , 8, 374-376	5.5	26
183	Synthesis and properties of novel thermosetting polysiloxane-block-polyimides with vinyl functionality. <i>Polymer</i> , 1998 , 39, 2941-2949	3.9	25
182	Synthesis and properties of multiblock copolymers consisting of poly(L-lactic acid) and poly(oxypropylene-co-oxyethylene) prepared by direct polycondensation. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 1513-1521	2.5	25
181	Boron nitride preceramics based on B,B,B-triaminoborazine. <i>Journal of Inorganic and Organometallic Polymers</i> , 1992 , 2, 231-242		25
180	Alumina fibers from poly[((3-ethoxypropanoyl)oxy)aloxane]. <i>Journal of Applied Polymer Science</i> , 1990 , 40, 753-767	2.9	25

179	Lap Shear Bond Strength of Thermoplastic Polyimides and Copolyimides. <i>High Performance Polymers</i> , 1997 , 9, 17-31	1.6	24
178	Preparation of poly(malic acid) and its ester derivatives by direct polycondensation of malic acid and .BETA.-ethyl malate.. <i>Kobunshi Ronbunshu</i> , 1987 , 44, 701-709	0	24
177	Polymerization via Betaine. V. Alternating Copolymerization of 1,3,3-Trimethylazetidide with Acrylic Acid. A Novel Method for the Preparation of Amine-Ester Type Polymer. <i>Macromolecules</i> , 1974 , 7, 956-958	5.5	24
176	An Amylose-Poly(L-lactide) Inclusion Supramolecular Polymer: Enzymatic Synthesis by Means of Vine-Twining Polymerization Using a Primer-Guest Conjugate. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 2829-2834	2.6	23
175	Polymerization via Zwitterion. VII. Alternating Ring-Opening Copolymerization of 2-Methyl-2-oxazoline with 3-Hydroxy-1-propanesulfonic Acid Sultone. <i>Macromolecules</i> , 1975 , 8, 259-261	5.5	23
174	Effect of Thermo-responsive Poly(L-lactic acid)-poly(ethylene glycol) Gel Injection on Left Ventricular Remodeling in a Rat Myocardial Infarction Model. <i>Tissue Engineering and Regenerative Medicine</i> , 2017 , 14, 507-516	4.5	22
173	Characterization of polysiloxane-block-polyimides with silicate group in the polysiloxane segments. <i>Polymer</i> , 1999 , 40, 1853-1862	3.9	22
172	Iodine-poly(vinyl alcohol) interactions, 4. Stoichiometry of iodine/iodide in the polyiodide ion bound in the cage of poly(vinyl alcohol). <i>Die Makromolekulare Chemie</i> , 1989 , 190, 939-950		22
171	Hydrogen-Transfer Polymerization of Hydroxyalkyl Acrylates. <i>Macromolecules</i> , 1975 , 8, 950-952	5.5	22
170	Polymerization via Zwitterion. 15. Alternating Copolymerizations of Cyclic Imino Ethers with Hydroxyalkyl Acrylates Involving Hydrogen Transfer of the Acrylates. <i>Macromolecules</i> , 1977 , 10, 239-242	5.5	22
169	Vascular induction and cell infiltration into peptide-modified bioactive silk fibroin hydrogels. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 7557-7571	7.3	21
168	Preparation of Nano-Particles of Poly(phenylsilsesquioxane)s by Emulsion Polycondensation of Phenylsilanetriol Formed in Aqueous Solution. <i>Polymer Journal</i> , 2002 , 34, 709-713	2.7	20
167	Enhanced Stereocomplexation by Enantiomer Adjustment for Stereo Diblock Polylactides with Non-Equivalent D/L Ratios. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 1426-1432	2.6	19
166	Synthesis of polyglactin by melt/solid polycondensation of glycolic/L-lactic acids. <i>Polymer International</i> , 2004 , 53, 254-258	3.3	19
165	Surface Modification of Poly(L-lactic acid) Film with Bioactive Materials by a Novel Direct Alkaline Treatment Process.. <i>Kobunshi Ronbunshu</i> , 1998 , 55, 328-333	0	19
164	Evaluating Relative Chain Orientation of Amylose and Poly(L-lactide) in Inclusion Complexes Formed by Vine-Twining Polymerization Using Primer-Guest Conjugates. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 794-800	2.6	18
163	Synthesis and gel formation of hyperbranched supramolecular polymer by vine-twining polymerization using branched primer-guest conjugate. <i>Polymer</i> , 2015 , 73, 9-16	3.9	18
162	Synthesis of poly[(acyloxy)aloxane] with carboxyl ligand and its utilization for the processing of alumina fiber. <i>Macromolecules</i> , 1987 , 20, 2329-2334	5.5	18

- 161 Bacterial Reduction of Azo Compounds as a Model Reaction for the Degradation of Azo-Containing Polyurethane by the Action of Intestinal Flora. *Bulletin of the Chemical Society of Japan*, **1996**, 69, 1139-1142 5.1 17
- 160 Iodine-poly(vinyl alcohol) interactions, 2. Anomalous slow quenching of the chromophore after extraction of free iodine with carbon tetrachloride. *Die Makromolekulare Chemie*, **1985**, 186, 549-557 17
- 159 Polymerization via Betaine. IV. Alternating Copolymerization of 2-Benzyliminotetrahydrofuran with ϵ -Propiolactone and with Acrylic Acid. *Macromolecules*, **1974**, 7, 546-549 5.5 17
- 158 Copolymerization of ϵ -butyrolactone and δ -butyrolactone. *Macromolecular Chemistry and Physics*, **1997**, 198, 1109-1120 2.6 16
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- 156 End-Group Analysis of Bacterially Produced Poly(3-hydroxybutyrate): Discovery of Succinate as the Polymerization Starter. *Macromolecules*, **2009**, 42, 4038-4046 5.5 15
- 155 Structure and Properties of Bicomponent Core-Sheath Fibers from Poly(ethylene Terephthalate) and Biodegradable Aliphatic Polyesters. *Textile Research Journal*, **2001**, 71, 145-152 1.7 15
- 154 Reversible reaction between cyclic phosphonite and aromatic cyclic disulfide to form a spiro dithiophosphorane. Observation of reductive elimination of a phosphorus(V) compound. *Journal of Organic Chemistry*, **1983**, 48, 3815-3816 4.2 15
- 153 Polymerization via Zwitterion. 16. Alternating Copolymerization of Cyclic Phosphite with β -Keto Acid. *Macromolecules*, **1977**, 10, 791-794 5.5 15
- 152 Synthesis of silyl-terminated polylactides for controlled surface immobilization of polylactide macromolecular chains. *Biomacromolecules*, **2011**, 12, 4036-43 6.9 14
- 151 Preparing a Core-Sheath Bicomponent Fiber of Poly(butylene Terephthalate)/Poly(butylene Succinate-co-L-lactate). *Textile Research Journal*, **2000**, 70, 1011-1018 1.7 14
- 150 Antistatic modification of synthetic fibers by blend-spinning of polymers containing zwitterionic antistatic modifiers and their copolymers. *Angewandte Makromolekulare Chemie*, **1995**, 224, 153-166 14
- 149 Structure analysis of a soluble polysiloxane-block-polyimide and kinetic analysis of the solution imidization of the relevant polyamic acid. *Journal of Polymer Science Part A*, **1998**, 36, 2237-2245 2.5 13
- 148 Self-Assembly of Stereocomplex-Type Poly(lactic acid). *Polymer Journal*, **2006**, 38, 1061-1067 2.7 13
- 147 "Spontaneous" vinyl polymerization of 2-vinyl-2-oxazolines. *Macromolecules*, **1985**, 18, 1641-1648 5.5 13
- 146 Properties of stereo multi-block polylactides obtained by chain-extension of stereo tri-block polylactides consisting of poly(L-lactide) and poly(D-lactide). *Journal of Polymer Research*, **2018**, 25, 1 2.7 12
- 145 A new route to pentacovalent cyclic acyloxyphosphoranes. *Journal of the American Chemical Society*, **1976**, 98, 7843-7844 16.4 12
- 144 Polymerization via Zwitterion. 11. Alternating Cooligomerizations of 2-Phenyl-1,3,2-dioxaphospholane with Vinyl Monomers having Electron-Withdrawing Groups. *Macromolecules*, **1977**, 10, 64-68 5.5 12

143	Ring-opening polymerization of a macrocyclic lactone monomer isolated from oligomeric byproducts of poly(butylene succinate) (PBS): An efficient route to high-molecular-weight PBS and block copolymers of PBS. <i>Polymer</i> , 2014 , 55, 5673-5679	3.9	11
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140	Gelation Behavior of Bioabsorbable Hydrogels Consisting of Enantiomeric Mixtures of ABA Tri-block Copolymers of Polylactides (A) and Poly(ethylene glycol) (B). <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 2174-2180	2.6	11
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