

# Yoshiharu Kimura

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

268  
papers

7,747  
citations

46  
h-index

79  
g-index

291  
ext. papers

8,655  
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4.2  
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5.94  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 268 | PREPARATION, STRUCTURE, AND PROPERTIES OF STEREOCOMPLEX-TYPE POLY(LACTIC ACID) <b>2022</b> , 73-86   |      | 0         |
| 267 | Toughened PLA-b-PCL-b-PLA triblock copolymer based biomaterials: effect of self-assembled nanostructure and stereocomplexation on the mechanical properties. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 3806-3824  | 4.9  | 1         |
| 266 | Valorization of a CO <sub>2</sub> -Derived Lactone by Acyclic Diene Metathesis Polymerization. <i>ChemistrySelect</i> , <b>2021</b> , 6, 13947-13954   | 1.8  | 0         |
| 265 | Controlling the thermomechanical properties of biobased ABA triblock copolymers comprising polylactide (A) and poly(1,2-propylene succinate) (B) with high molecular weight. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 860-871                           | 2.4  | 3         |
| 264 | Enhancement of T <sub>g</sub> of Poly(l-lactide) by Incorporation of Biobased Mandelic-Acid-Derived Phenyl Groups by Polymerization and Polymer Blending. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 1900392                                   | 2.6  | 4         |
| 263 | Biodegradation of PET: Current Status and Application Aspects. <i>ACS Catalysis</i> , <b>2019</b> , 9, 4089-4105   | 13.1 | 162       |
| 262 | Effect of Block Length and Stereocomplexation on the Thermally Processable Poly(ε-caprolactone) and Poly(Lactic acid) Block Copolymers for Biomedical Applications. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 3354-3365                                | 4.3  | 6         |
| 261 | Biodegradation of waste PET: A sustainable solution for dealing with plastic pollution. <i>EMBO Reports</i> , <b>2019</b> , 20, e49365   | 6.5  | 27        |
| 260 | Colloidal silica bearing thin polyacrylate coat: A facile inorganic modifier of acrylic emulsions for fabricating hybrid films with least aggregation of silica nanoparticles. <i>Progress in Organic Coatings</i> , <b>2019</b> , 128, 11-20                        | 4.8  | 5         |
| 259 | Properties of stereo multi-block polylactides obtained by chain-extension of stereo tri-block polylactides consisting of poly(L-lactide) and poly(D-lactide). <i>Journal of Polymer Research</i> , <b>2018</b> , 25, 1   | 2.7  | 12        |
| 258 | Ring-Opening Polymerization of a New Diester Cyclic Dimer of Mandelic and Glycolic Acid: An Efficient Synthesis Method for Derivatives of Amorphous Polyglycolide with High T <sub>g</sub> . <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1700865 | 4.8  | 7         |
| 257 | High-molecular-weight poly(1,2-propylene succinate): A soft biobased polyester applicable as an effective modifier of poly(l-Lactide). <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 1795-1805  | 2.5  | 6         |
| 256 | Difference in Cell Adhesion on Three Biodegradable Aliphatic Polyesters. <i>Current Applied Polymer Science</i> , <b>2018</b> , 2, 94-101  | 0.2  | 1         |
| 255 | Influence of decomposition temperature of aromatic sulfonic acid catalysts on the molecular weight and thermal stability of poly(l-lactic acid) prepared by melt/solid state polycondensation. <i>Polymer</i> , <b>2018</b> , 155, 218-224                           | 3.9  | 8         |
| 254 | Macromolecular design of specialty polylactides by means of controlled copolymerization and stereocomplexation. <i>Polymer International</i> , <b>2017</b> , 66, 260-276   | 3.3  | 9         |
| 253 | Synthesis and enzymatic degradability of an aliphatic/aromatic block copolyester: poly(butylene succinate)-multi-poly(butylene terephthalate). <i>Macromolecular Research</i> , <b>2017</b> , 25, 54-62  | 1.9  | 4         |
| 252 | Vascular induction and cell infiltration into peptide-modified bioactive silk fibroin hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 7557-7571  | 7.3  | 21        |

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| 251 | Molecular weight increase driven by evolution of crystal structure in the process of solid-state polycondensation of poly(L-lactic acid). <i>Polymer</i> , <b>2017</b> , 126, 133-140   | 3.9  | 7   |
| 250 | Effect of Thermoresponsive 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> , <b>2017</b> , 14, 507-516   | 4.5  | 22  |
| 249 | Present Situation and Future Perspectives of Poly(lactic acid). <i>Advances in Polymer Science</i> , <b>2017</b> , 1-25   | 1.3  | 3   |
| 248 | Thermal properties of the multi-stereo block poly(lactic acid)s with various block lengths. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 142, 188-197   | 4.7  | 3   |
| 247 | Effect of the block length and the molecular weight on the isothermal crystallization behavior of multi-stereoblock poly(lactic-acid)s. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 142, 178-187   | 4.7  | 6   |
| 246 | Response to Comment on "A bacterium that degrades and assimilates poly(ethylene terephthalate)". <i>Science</i> , <b>2016</b> , 353, 759  | 33.3 | 31  |
| 245 | Unique structure and properties of inorganic/organic hybrid films prepared from acryl/silica nano-composite emulsions. <i>Progress in Organic Coatings</i> , <b>2016</b> , 93, 109-117  | 4.8  | 5   |
| 244 | A bacterium that degrades and assimilates poly(ethylene terephthalate). <i>Science</i> , <b>2016</b> , 351, 1196-9  | 33.3 | 967 |
| 243 | ABCBA Pentablock Copolymers Consisting of Poly(L-lactide) (PLLA: A), Poly(D-lactide) (PDLA: B), and Poly(butylene succinate) (PBS: C): Effects of Semicrystalline PBS Segments on the Stereo-Crystallinity and Properties. <i>Macromolecular Materials and Engineering</i> , <b>2016</b> , 301, 1121-1131 | 3.9  | 3   |
| 242 | Nano-structured micelle particles of polylactide-poly(oxyethylene) block copolymers with different block sequences: Specific influence of stereocomplex formation of the polylactide blocks. <i>Polymer</i> , <b>2015</b> , 66, 160-166   | 3.9  | 7   |
| 241 | 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> , <b>2015</b> , 67, 157-166  | 3.9  | 26  |
| 240 | Tissue-engineered acellular small diameter long-bypass grafts with neointima-inducing activity. <i>Biomaterials</i> , <b>2015</b> , 58, 54-62   | 15.6 | 102 |
| 239 | Metal-catalyzed Stereoselective and Protecting-group-free Synthesis of 1,2-cis-Glycosides Using 4,6-Dimethoxy-1,3,5-triazin-2-yl Glycosides as Glycosyl Donors. <i>Chemistry Letters</i> , <b>2015</b> , 44, 846-848  | 1.7  | 11  |
| 238 | Synthesis and properties of stereo mixtures of enantiomeric block copolymers of polylactide and aliphatic polycarbonate. <i>Polymer International</i> , <b>2015</b> , 64, 641-646   | 3.3  | 10  |
| 237 | Competitive Effects of Stereocomplexation and Hyper-Conjugation of Triethoxysilyl-Terminated Poly(D-lactide) in Poly(L-lactide) matrices. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 1123-1132  | 3.9  | 4   |
| 236 | Synthesis of Novel Hyper-Branched Polymers From Trimethoxysilyl-Terminated Polylactides and Their Utilization for Modification of Poly(L-Lactide) Materials. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 650-660   | 3.9  | 7   |
| 235 | 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> , <b>2015</b> , 216, 794-800   | 2.6  | 18  |
| 234 | Size-Controlled Nanomicelles of Poly(lactic acid)/Poly(ethylene glycol) Copolymers with a Multiblock Configuration. <i>Polymers</i> , <b>2015</b> , 7, 1177-1191  | 4.5  | 8   |

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| 233 | Preparation of Chain-Extended Poly(hexamethylene/pentamethylene carbonate)s and Their Block Copolymerization with Poly-L-lactide into Partly Biobased Thermoplastic Elastomers. <i>Journal of Fiber Science and Technology</i> , <b>2015</b> , 71, 91-104   | 0   | 3  |
| 232 | Tuning of Sol-Gel Transition in the Mixed Polymer Micelle Solutions of Copolymer Mixtures Consisting of Enantiomeric Diblock and Triblock Copolymers of Polylactide and Poly(ethylene glycol). <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 837-846   | 2.6 | 8  |
| 231 | Synthesis and gel formation of hyperbranched supramolecular polymer by vine-twining polymerization using branched primer-guest conjugate. <i>Polymer</i> , <b>2015</b> , 73, 9-16   | 3.9 | 18 |
| 230 | 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> , <b>2014</b> , 55, 5673-5679   | 3.9 | 11 |
| 229 | Improved thermal and mechanical properties of poly(butylene succinate) by polymer blending with a thermotropic liquid crystalline polyester. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a   | 2.9 | 8  |
| 228 | Protecting-group-free synthesis of glycopolymers bearing thioglycosides via one-pot monomer synthesis from free saccharides. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, n/a-n/a   | 2.5 | 2  |
| 227 | Preparation of Chain-Extended Poly(hexamethylene carbonate)s and their Block Copolymerization with Poly-L-lactide to Synthesize Partly Biobased Thermoplastic Elastomers. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 1384-1394  | 3.9 | 10 |
| 226 | Nano-ordered surface morphologies by stereocomplexation of the enantiomeric polylactide chains: specific interactions of surface-immobilized poly(D-lactide) and poly(ethylene glycol)-poly(L-lactide) block copolymers. <i>Langmuir</i> , <b>2014</b> , 30, 14030-8  | 4   | 11 |
| 225 | Protecting-Group-Free Synthesis of Glycopolymers Bearing Sialyloligosaccharide and Their High Binding with the Influenza Virus. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 1074-1078   | 6.6 | 48 |
| 224 | Catalytic behavior of silyl-amide complexes for lactide polymerization. <i>Macromolecular Research</i> , <b>2013</b> , 21, 385-391  | 1.9 | 1  |
| 223 | Cell adhesion and surface chemistry of biodegradable aliphatic polyesters: Discovery of particularly low cell adhesion behavior on poly(3-[RS]-hydroxybutyrate). <i>Macromolecular Research</i> , <b>2013</b> , 21, 1305-1313   | 1.9 | 8  |
| 222 | 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> , <b>2013</b> , 45, 427-435   | 2.7 | 37 |
| 221 | A Novel Bioabsorbable Gel Formed from a Mixed Micelle Solution of Poly(oxyethylene)-block-poly(L-lactide) and Poly(oxyethylene)-block-poly(D-lactide) by Concomitant Stereocomplexation and Chain Extension. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1559-1568                         | 2.6 | 9  |
| 220 | 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> , <b>2013</b> , 14, 2154-61 | 6.9 | 26 |
| 219 | 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> , <b>2013</b> , 214, 2829-2834   | 2.6 | 23 |
| 218 | Facile Synthesis of Oligosaccharide-Poly(L-lactide) Conjugates Forming Nanoparticles with Saccharide Core and Shell. <i>Chemistry Letters</i> , <b>2013</b> , 42, 197-199   | 1.7 | 9  |
| 217 | 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> , <b>2012</b> , 53, 6053-6062   | 3.9 | 39 |
| 216 | Molecular Organization of Polylactides Immobilized on a Flat Surface: Observation of Single Crystal Arrays of Homochiral and Stereocomplexed Polylactides. <i>Macromolecules</i> , <b>2012</b> , 45, 5993-6001  | 5.5 | 8  |

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| 215 | 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> , <b>2012</b> , 213, 2174-2180   | 2.6 | 11 |
| 214 | Reactive Electrospinning of Stereoblock Polylactides Prepared via Spontaneous Diels-Alder Coupling of Bis Maleimide-terminated Poly-L-lactide and Bis Furan-terminated Poly-D-lactide. <i>Journal of Fiber Science and Technology</i> , <b>2012</b> , 68, 64-72                    | 0   | 11 |
| 213 | Synthesis and characterization of polytulipalin-g-polylactide copolymers. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 1111-1119   | 2.5 | 5  |
| 212 | Homopolymerization and copolymerization of a dilactone, 13,26-dihexyl-1,14-dioxo-cyclohexacosane-2,15-dione: Synthesis of bio-based polyesters and copolyesters consisting of 12-hydroxystearate sequences. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 1290-1297 | 2.5 | 4  |
| 211 | Synthesis and Thermomechanical Properties of Stereo Triblock Polylactides With Nonequivalent Block Compositions. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 695-704  | 2.6 | 34 |
| 210 | Preparation and biodegradation of hydroxyl terminated poly(fumaric acid-co-diethylene glycol) and its segmented polyurethane. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 2477-2484   | 2.9 | 4  |
| 209 | Highly efficient reinforcement of poly-L-lactide materials by polymer blending of a thermotropic liquid crystalline polymer. <i>Biomacromolecules</i> , <b>2011</b> , 12, 354-8  | 6.9 | 15 |
| 208 | Synthesis of silyl-terminated polylactides for controlled surface immobilization of polylactide macromolecular chains. <i>Biomacromolecules</i> , <b>2011</b> , 12, 4036-43  | 6.9 | 14 |
| 207 | Electrospinning and Characterization of Aligned Nanofibers from Chitosan/Polyvinyl Alcohol Mixtures: Comparison of Several Target Devices Newly Designed. <i>Journal of Fiber Science and Technology</i> , <b>2011</b> , 67, 103-108   | 0   | 2  |
| 206 | Morphological Analysis of Shrinkproof Wool Fibers by SEM Combined with Alkaline and Enzymatic Etching Techniques: Microstructural Differences of DCCA- and Kroy-Processed Fibers. <i>Journal of Fiber Science and Technology</i> , <b>2010</b> , 66, 131-139                       | 0   | 6  |
| 205 | Effect of Polymer Molecular Weight on the Electrospinning of Polylactides in Entangled and Aligned Fiber Forms. <i>Journal of Fiber Science and Technology</i> , <b>2010</b> , 66, 35-42   | 0   | 8  |
| 204 | Structure and Properties of Stereocomplex-Type Poly(Lactic Acid) <b>2010</b> , 59-65   |     | 5  |
| 203 | Enhanced Stereocomplexation by Enantiomer Adjustment for Stereo Diblock Polylactides with Non-Equivalent D/L Ratios. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 1426-1432  | 2.6 | 19 |
| 202 | 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> , <b>2010</b> , 295, 460-468                                      | 3.9 | 70 |
| 201 | Electrospinning of Continuous Aligning Yarns with a Bunnell Target. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 660-665   | 3.9 | 39 |
| 200 | Effect of ethylene glycol on the end group structure of poly(3-hydroxybutyrate). <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 1284-1291  | 4.7 | 9  |
| 199 | Synthesis and properties of high-molecular-weight stereo di-block polylactides with nonequivalent D/L ratios. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 794-801   | 2.5 | 65 |
| 198 | Efficient formation of stereocomplexes of poly(L-lactide) and poly(D-lactide) by terminal Diels-Alder coupling. <i>Polymer International</i> , <b>2010</b> , 59, 1526-1530   | 3.3 | 41 |

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| 197 | Thermo-Responsive Biodegradable Hydrogels from Stereocomplexed Poly(lactide)s <b>2010</b> , 157-177   |     | 1   |
| 196 | Formation of Crystallosolvates from Mixtures of Poly(L-lactide) and Diphenyl Ether. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 440-446  | 2.6 | 1   |
| 195 | Formation of Crystallosolvates Comprising Nano-Crystals of Stereocomplex in a Ternary Mixture of Poly(L-lactide)/Poly(D-lactide)/Diphenyl Ether. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 1915-1922 | 2.6 | 1   |
| 194 | Fabrication of Aligned Poly(L-lactide) Fibers by Electrospinning and Drawing. <i>Macromolecular Materials and Engineering</i> , <b>2009</b> , 294, 658-665  | 3.9 | 32  |
| 193 | Enzymatic formation of 13,26-Dihexyl-1,14-dioxacyclohexacosane-2,15-dione via Oligomerization of 12-Hydroxystearic acid. <i>Macromolecular Research</i> , <b>2009</b> , 17, 919-925   | 1.9 | 1   |
| 192 | Molecular, Structural, and Material Design of Bio-Based Polymers. <i>Polymer Journal</i> , <b>2009</b> , 41, 797-807  | 2.7 | 59  |
| 191 | End-Group Analysis of Bacterially Produced Poly(3-hydroxybutyrate): Discovery of Succinate as the Polymerization Starter. <i>Macromolecules</i> , <b>2009</b> , 42, 4038-4046   | 5.5 | 15  |
| 190 | Stereoblock Poly lactides as High-Performance Bio-Based Polymers. <i>Polymer Reviews</i> , <b>2009</b> , 49, 107-140  | 14  | 130 |
| 189 | Microstructural Analysis of Wool Fibers by SEM Images of Their Cross-Sections Etched by Alkali Treatment. <i>Journal of Fiber Science and Technology</i> , <b>2009</b> , 65, 246-251  | 0   | 1   |
| 188 | New Development of Polylactides. <i>Kobunshi</i> , <b>2008</b> , 57, 430-433  |     | 1   |
| 187 | SEM Images of Wool Fiber Cross Sections Etched by Means of Protease Digestion. <i>Journal of Fiber Science and Technology</i> , <b>2008</b> , 64, 118-124   | 0   | 4   |
| 186 | Thermomechanical properties of stereoblock poly(lactic acid)s with different PLLA/PDLA block compositions. <i>Polymer</i> , <b>2008</b> , 49, 2656-2661   | 3.9 | 87  |
| 185 | Mechanism of enzymatic degradation of poly(butylene succinate). <i>Macromolecular Research</i> , <b>2008</b> , 16, 651-658  | 1.9 | 30  |
| 184 | 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> , <b>2008</b> , 46, 3714-3722                     | 2.5 | 99  |
| 183 | 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> , <b>2007</b> , 7, 829-35                                | 5.5 | 98  |
| 182 | Higher order structural analysis of stereocomplex-type poly(lactic acid) melt-spun fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 218-228   | 2.6 | 47  |
| 181 | Controlled degradation of porous poly(lactide) stereocomplex films prepared by the selective extraction of co-assembled poly(vinyl alcohol). <i>Polymer Bulletin</i> , <b>2007</b> , 58, 703-709                            | 2.4 | 4   |
| 180 | Synthesis and Characterization of Stereoblock Poly(lactic acid)s with Nonequivalent D/L Sequence Ratios. <i>Macromolecules</i> , <b>2007</b> , 40, 3049-3055  | 5.5 | 78  |



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| 179 | Application of silica-containing nano-composite emulsion to wall paint: A new environmentally safe paint of high performance. <i>Progress in Organic Coatings</i> , <b>2006</b> , 55, 276-283                                | 4.8 | 112 |
| 178 | Preparation of spherical nanocomposites consisting of silica core and polyacrylate shell by emulsion polymerization. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 659-669                                   | 2.9 | 32  |
| 177 | Layer-by-Layer crystallization of enantiomeric poly(lactide)s. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 3863-6  | 1.3 | 6   |
| 176 | Self-Assembly of Stereocomplex-Type Poly(lactic acid). <i>Polymer Journal</i> , <b>2006</b> , 38, 1061-1067  | 2.7 | 13  |
| 175 | Synthesis of Chitosan Microemulsion. <i>Journal of Fiber Science and Technology</i> , <b>2006</b> , 62, 162-166  | 0   |     |
| 174 | Stereocomplexed polylactides (Neo-PLA) as high-performance bio-based polymers: their formation, properties, and application. <i>Polymer International</i> , <b>2006</b> , 55, 626-642  | 3.3 | 367 |
| 173 | Thermo-Sensitive Gels: Biodegradable Hydrogels from Enantiomeric Copolymers of Poly(lactide) and Poly(ethylene glycol). <i>ACS Symposium Series</i> , <b>2006</b> , 216-233  | 0.4 | 1   |
| 172 | Higher-order structures and mechanical properties of stereocomplex-type poly(lactic acid) melt spun fibers. <i>Polymer</i> , <b>2006</b> , 47, 5965-5972   | 3.9 | 102 |
| 171 | Poly(lactide) swelling and melting behavior in supercritical carbon dioxide and post-venting porous material. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2370-3   | 6.9 | 31  |
| 170 | A Novel Synthetic Approach to Stereo-Block Poly(lactic acid). <i>Macromolecular Symposia</i> , <b>2005</b> , 224, 133-148  | 1.4 | 52  |
| 169 | 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> , <b>2005</b> , 5, 21-9              | 5.5 | 101 |
| 168 | Preparation and properties of ProNectin F-coated biodegradable hollow fibers. <i>Journal of Artificial Organs</i> , <b>2005</b> , 8, 245-51  | 1.8 | 7   |
| 167 | Synthesis of polyglactin by melt/solid polycondensation of glycolic/L-lactic acids. <i>Polymer International</i> , <b>2004</b> , 53, 254-258   | 3.3 | 19  |
| 166 | Effect of steric hindrance on hydrogen-bonding interaction between polyesters and natural polyphenol catechin. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 3565-3573                                       | 2.9 | 40  |
| 165 | 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> , <b>2004</b> , 4, 361-7 | 5.5 | 65  |
| 164 | Production of D-lactic acid by bacterial fermentation of rice starch. <i>Macromolecular Bioscience</i> , <b>2004</b> , 4, 1021-7   | 5.5 | 89  |
| 163 | X-Ray and Electron Diffraction Study of Poly(p-dioxanone). <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1943-1947  | 4.8 | 29  |
| 162 | Formation of Stable Nanoparticles of Poly(phenyl/methylsilsesquioxane) in Aqueous Solution. <i>Polymer Journal</i> , <b>2003</b> , 35, 270-275   | 2.7 | 9   |

- 161 Synthesis and Properties of Poly (imide-siloxane) with Reactive Functionalities in Siloxane Segment. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2003**, 16, 227-232 0.7 2
- 160 Flexural Properties of Unidirectional Hybrid Composites of Three Layers, Carbon Fibers/Epoxy, AluminaFibers/Epoxy and Low Elastic Layers. *Journal of Fiber Science and Technology*, **2003**, 59, 348-352 0
- 159 In vitro biodegradability and surface properties of block copoly(ester-ether)s consisting of poly(L-lactide)and polyether. *Macromolecular Research*, **2003**, 11, 42-46 1.9 7
- 158 Mechanical and Thermal Properties of Poly(L-lactide) Incorporating Various Inorganic Fillers with Particle and Whisker Shapes. *Macromolecular Materials and Engineering*, **2003**, 288, 562-568 3.9 58
- 157 Microstructure and Thermal Properties of Polylactides with Different L- and D-Unit Sequences: Importance of the Helical Nature of the L-Sequenced Segments. *Macromolecular Materials and Engineering*, **2003**, 288, 137-143 3.9 91
- 156 Structural Characterization and Enzymatic Degradation of  $\alpha$  and  $\beta$  Crystalline Forms for Poly( $\epsilon$ -propiolactone). *Macromolecular Bioscience*, **2003**, 3, 462-470 5.5 31
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