

# Fumio Sanda

## List of Publications by Citations

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166  
papers

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35  
h-index

52  
g-index

171  
ext. papers

4,213  
ext. citations

3.6  
avg, IF

5.32  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 166 | Polymerization of substituted acetylenes and features of the formed polymers. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 1044-1058   | 4.9 | 232       |
| 165 | Recent advances in ring-opening metathesis polymerization, and application to synthesis of functional materials. <i>Polymer Journal</i> , <b>2010</b> , 42, 905-915   | 2.7 | 232       |
| 164 | Star Polymer Synthesis from $\epsilon$ -Caprolactone Utilizing Polyol/Protonic Acid Initiator. <i>Macromolecules</i> , <b>2002</b> , 35, 680-683  | 5.5 | 158       |
| 163 | Synthesis of Polyacetylenes Having Pendant Carbazole Groups and Their Photo- and Electroluminescence Properties. <i>Macromolecules</i> , <b>2004</b> , 37, 2703-2708  | 5.5 | 96        |
| 162 | Synthesis of Poly(diphenylacetylene) Membranes by Desilylation of Various Precursor Polymers and Their Properties. <i>Macromolecules</i> , <b>2005</b> , 38, 2704-2709  | 5.5 | 92        |
| 161 | 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> , <b>2001</b> , 39, 4091-4100   | 2.5 | 91        |
| 160 | Polyacetylene and Polynorbornene Derivatives Carrying TEMPO. Synthesis and Properties as Organic Radical Battery Materials. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 1206-1211  | 4.8 | 86        |
| 159 | Conformational Transition between Random Coil and Helix of Poly(N-propargylamides). <i>Macromolecules</i> , <b>2004</b> , 37, 1891-1896   | 5.5 | 73        |
| 158 | Design of Helical Poly(N-propargylamides) that Switch the Helix Sense with Thermal Stimuli. <i>Macromolecules</i> , <b>2004</b> , 37, 1175-1179   | 5.5 | 67        |
| 157 | Transformation of Helical Sense of Poly(N-propargylamides) Controlled by Competition between Structurally Different Enantiomeric Amino Acids. <i>Macromolecules</i> , <b>2004</b> , 37, 8888-8892   | 5.5 | 64        |
| 156 | Controlled ring-opening polymerization of cyclic carbonates and lactones by an activated monomer mechanism. <i>Journal of Polymer Science Part A</i> , <b>2002</b> , 40, 2190-2198  | 2.5 | 57        |
| 155 | Synthesis of Helical Poly(N-propargylamides) Carrying Azobenzene Moieties in Side Chains. Reversible Arrangement-Disarrangement of Helical Side Chain Arrays upon Photoirradiation Keeping Helical Main Chain Intact. <i>Macromolecules</i> , <b>2007</b> , 40, 7079-7088 | 5.5 | 51        |
| 154 | Stereoregular Poly(N-propargylcarbamates) Having Helical Conformation Stabilized by the Intramolecular Hydrogen Bonds. <i>Macromolecules</i> , <b>2003</b> , 36, 5076-5080  | 5.5 | 50        |
| 153 | Synthesis and electro-optical properties of helical polyacetylenes carrying carbazole and triphenylamine moieties. <i>Polymer</i> , <b>2007</b> , 48, 4628-4636   | 3.9 | 49        |
| 152 | Dynamically Stable Helices of Poly(N-propargylamides) with Bulky Aliphatic Groups. <i>Macromolecules</i> , <b>2004</b> , 37, 5149-5154  | 5.5 | 48        |
| 151 | Tuning of Fluorescence by Controlling the Secondary Structure of Amino Acid-Based Poly(N-propargylamides) Having Pendant Pyrene Groups. <i>Macromolecules</i> , <b>2004</b> , 37, 8893-8896   | 5.5 | 48        |
| 150 | Determination of Helical Sense of Poly(N-propargylamides) by Exciton-Coupled Circular Dichroism. <i>Macromolecules</i> , <b>2005</b> , 38, 9448-9454  | 5.5 | 47        |

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| 149 | Serine-Based Helical Polyacetylenes. Effect of Hydroxyl Group on the Secondary Structure. <i>Macromolecules</i> , <b>2005</b> , 38, 10605-10608  | 5.5 | 45 |
| 148 | Synthesis and Properties of F-Containing Poly(diphenylacetylene) Membranes. <i>Macromolecules</i> , <b>2005</b> , 38, 8327-8332  | 5.5 | 44 |
| 147 | Helical polyacetylenes carrying 2,2,6,6-tetramethyl-1-piperidinyloxy and 2,2,5,5-tetramethyl-1-pyrrolidinyloxy moieties: Their synthesis, properties, and function. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 5431-5445 | 2.5 | 42 |
| 146 | Synthesis and properties of polyacetylenes carrying N-phenylcarbazole and triphenylamine moieties. <i>Polymer</i> , <b>2006</b> , 47, 6551-6559  | 3.9 | 42 |
| 145 | Synthesis and Properties of Carbazole-Containing Poly(aryleneethynyls) and Poly(aryleneimines). <i>Macromolecules</i> , <b>2004</b> , 37, 7578-7583  | 5.5 | 42 |
| 144 | Asymmetric reduction of aromatic ketimines in the presence of helical polymer as catalyst. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 4971-4981  | 2.5 | 41 |
| 143 | Synthesis and Chiroptical Properties of Hydroxyphenylglycine-Based Poly(m-phenyleneethynylene-p-phenyleneethynylene)s. <i>Macromolecules</i> , <b>2009</b> , 42, 6115-6122   | 5.5 | 40 |
| 142 | Helix Inversion and Aggregation Behavior of Chiral Poly(N-propargylamides). <i>Macromolecular Chemistry and Physics</i> , <b>2005</b> , 206, 323-332   | 2.6 | 40 |
| 141 | Chiral 1-Methylpropargyl Alcohol: A Simple and Powerful Helical Source for Substituted Polyacetylenes. <i>Macromolecules</i> , <b>2007</b> , 40, 1864-1867   | 5.5 | 39 |
| 140 | Tune of the helix sense of amino acid-containing poly(N-propargylamides) by temperature and solvent. Control by competition between structurally different units with the same chirality. <i>Polymer</i> , <b>2005</b> , 46, 2841-2846     | 3.9 | 39 |
| 139 | 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> , <b>2005</b> , 38, 7944-7949               | 5.5 | 38 |
| 138 | Synthesis and helical conformation of poly(N-propargylamides) carrying L-aspartic acid in the side chain. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 5168-5176   | 2.5 | 38 |
| 137 | Helical polymer carrying helical grafts from peptide-based acetylene macromonomers: synthesis. <i>Macromolecular Bioscience</i> , <b>2004</b> , 4, 570-4   | 5.5 | 37 |
| 136 | Control of Helical Sense and Tightness of Amino Acid-Based Poly(N-propargylamide) by Temperature and Solvents. <i>Macromolecular Chemistry and Physics</i> , <b>2005</b> , 206, 1653-1658  | 2.6 | 37 |
| 135 | Synthesis, Chiroptical Properties, and Photoresponsiveness of Optically Active Poly(m-phenyleneethynylene)s Containing Azobenzene Moieties. <i>Macromolecules</i> , <b>2011</b> , 44, 3338-3345  | 5.5 | 35 |
| 134 | Synthesis and Helical Structure of Poly(N-butynylamide)s Having Various Side Chains, Where the Helix Is Highly Affected by the Methyl Branch and the Lactone Moiety. <i>Macromolecules</i> , <b>2008</b> , 41, 1086-1093                   | 5.5 | 35 |
| 133 | ADMET Polycondensation of Diketopiperazine-Based Dienes. Polymerization Behavior and Effect of Diketopiperazine on the Properties of the Formed Polymers. <i>Macromolecules</i> , <b>2008</b> , 41, 6041-6046                              | 5.5 | 35 |
| 132 | Synthesis, properties, and gas permeability of novel poly(diarylacetylene) derivatives. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 5028-5038   | 2.5 | 35 |

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| 131 | Synthesis of chiral polyacetylenes carrying amino acids and azobenzenes and transformation of the higher order structure by photoirradiation. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 4641-4647   | 2.5  | 35 |
| 130 | Ring-Opening Metathesis Block Copolymerization of Amino Acid Functionalized Norbornene Monomers. Effects of Solvent and pH on Micelle Formation. <i>Macromolecules</i> , <b>2010</b> , 43, 1815-1822   | 5.5  | 34 |
| 129 | Alternating ring-opening metathesis copolymerization of amino acid derived norbornene monomers carrying nonprotected carboxy and amino groups based on acid-base interaction. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 10546-51  | 16.4 | 34 |
| 128 | Polymerization of Substituted Acetylenes 375-406   |      | 34 |
| 127 | Characterization of the Polymerization Catalyst [(2,5-norbornadiene)Rh{C(Ph) <sub>2</sub> CPh <sub>2</sub> }(PPh <sub>3</sub> )] and Identification of the End Structures of Poly(phenylacetylenes) Obtained by Polymerization Using This Catalyst. <i>Organometallics</i> , <b>2012</b> , 31, 6834-6842 | 3.8  | 32 |
| 126 | ROMP of Norbornene Monomers Carrying Nonprotected Amino Groups with Ruthenium Catalyst. <i>Macromolecules</i> , <b>2009</b> , 42, 1519-1525  | 5.5  | 32 |
| 125 | Synthesis of polymers bearing proline moieties in the side chains and their application as catalysts for asymmetric induction. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 3783-3796  | 2.5  | 31 |
| 124 | Synthesis and properties of polynorbornenes bearing oligomeric siloxane pendant groups. <i>Polymer</i> , <b>2009</b> , 50, 1389-1394   | 3.9  | 31 |
| 123 | Synthesis and Photoresponse of Helically Folded Poly(phenyleneethynylene)s Bearing Azobenzene Moieties in the Main Chains. <i>Macromolecules</i> , <b>2013</b> , 46, 4378-4387   | 5.5  | 29 |
| 122 | Synthesis and chiral recognition properties of poly(N-propargylamide) gels derived from ornithine and lysine. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 4175-4182   | 2.5  | 29 |
| 121 | Polymerization of Phenylacetylenes Using Rhodium Catalysts Coordinated by Norbornadiene Linked to a Phosphino or Amino Group. <i>Organometallics</i> , <b>2013</b> , 32, 846-853   | 3.8  | 27 |
| 120 | Synthesis and properties of conjugated polymers containing 3,9- and 2,9-linked carbazole units in the main chain. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 3506-3517   | 2.5  | 27 |
| 119 | Ring-opening metathesis polymerization of amino acid-functionalized norbornene derivatives. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 5337-5343   | 2.5  | 27 |
| 118 | Polymerization of N-Propargylamides with a Rh(Vinyl) Complex: Confirmation of the Presence of Long-Lived Active Species. <i>Macromolecules</i> , <b>2004</b> , 37, 4044-4047   | 5.5  | 26 |
| 117 | Synthesis and Secondary Structure of Polyacetylenes Carrying Diketopiperazine Moieties. The First Example of Helical Polymers Stabilized by s-cis-Amide-Based Hydrogen Bonding. <i>Macromolecules</i> , <b>2009</b> , 42, 913-920  | 5.5  | 25 |
| 116 | Copolymerization of Amino Acid Functionalized Norbornene Monomers. Synthesis of Amphiphilic Block Copolymers Forming Reverse Micelles. <i>Macromolecules</i> , <b>2008</b> , 41, 305-311   | 5.5  | 25 |
| 115 | Synthesis and Properties of Helical Polyacetylenes Carrying Cholesteryl Moieties. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 823-832   | 2.6  | 24 |
| 114 | Synthesis and properties of optically active amino acid based polyacetylenes bearing eugenol and fluorene moieties. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 810-819   | 2.5  | 24 |

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| 113 | Novel pyridinium salts as cationic thermal and photoinitiators and their photosensitization properties. <i>Journal of Polymer Science Part A</i> , <b>2002</b> , 40, 1037-1046  | 2.5 | 24 |
| 112 | Polymerization of ortho-Substituted Phenylacetylenes with Well-Defined Ruthenium-Alkylidene Catalysts and Related Metathesis Initiators. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 1891-1902 <sup>2.6</sup>                | 2.6 | 23 |
| 111 | Chirality amplification in helical block copolymers. Synthesis and chiroptical properties of block copolymers of chiral/achiral acetylene monomers. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 5931-5939   | 4.9 | 22 |
| 110 | New Approach to the Polymerization of Disubstituted Acetylenes by Bulky Monophosphine-Ligated Palladium Catalysts. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 51-54  | 6.6 | 22 |
| 109 | Living polymerization of phenylacetylenes catalyzed by cationic rhodium complexes bearing tetrafluorobenzobarrelene. <i>Polymer Journal</i> , <b>2011</b> , 43, 51-57   | 2.7 | 22 |
| 108 | Ring-Opening Metathesis Polymerization of Amino Acid-Functionalized Norbornene Diamide Monomers: Polymerization Behavior and Chiral Recognition Ability of the Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 930-937 | 2.6 | 22 |
| 107 | Conformational Transition between Random Coil and Helix of Copolymers of N-Propargylamides. <i>Macromolecular Chemistry and Physics</i> , <b>2004</b> , 205, 1103-1107  | 2.6 | 22 |
| 106 | Synthesis and Characterization of Poly(N-propargylsulfamides). <i>Macromolecules</i> , <b>2004</b> , 37, 5538-5543  | 5.5 | 22 |
| 105 | Polymerization of vinyl ethers with transition-metal catalysts: An examination of the stereoregularity of the formed polymers. <i>Journal of Polymer Science Part A</i> , <b>2002</b> , 40, 3938-3943   | 2.5 | 22 |
| 104 | 3-Butyl-2-yl- and Propargyl Cholesteryl Carbonates. Chiroptical and Liquid Crystalline Properties of their Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 1992-1999   | 2.6 | 20 |
| 103 | Synthesis and helical structure of poly(1-methylpropargyl ester)s with various side chains. <i>Chemistry - an Asian Journal</i> , <b>2008</b> , 3, 2075-81  | 4.5 | 20 |
| 102 | Novel Optically Active Polyacetylenes: Synthesis and Helical Conformation of L-Lysine-Dendronized Poly(phenylacetylene). <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 1921-1926   | 2.6 | 20 |
| 101 | Photocationic and radical polymerizations of epoxides and acrylates by novel sulfonium salts. <i>Journal of Polymer Science Part A</i> , <b>2003</b> , 41, 3816-3827  | 2.5 | 20 |
| 100 | Synthesis and Gas Permeation Properties of Para-Substituted Poly(1-chloro-2-phenylacetylenes). <i>Macromolecules</i> , <b>2006</b> , 39, 243-248  | 5.5 | 19 |
| 99  | Synthesis and properties of blue light-emitting, silicon-containing, regio- and stereoregular conjugated polymers. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 2774-2783   | 2.5 | 19 |
| 98  | Synthesis of end-functionalized poly(phenylacetylene)s with well-characterized palladium catalysts. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 5549-5556  | 2.5 | 18 |
| 97  | Synthesis of Hydroxy Group-Containing Poly(N-Propargylamides): Examination of the Secondary Structure and Chiral-Recognition Ability of the Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 112-118                    | 2.6 | 18 |
| 96  | Novel sulfonium salts as thermal and photoinitiators for epoxide and acrylate polymerizations. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 589-597  | 2.9 | 18 |

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| 95 | Synthesis and chiroptical properties of amino acid-derived poly(methylpropargyl ester)s. <i>European Polymer Journal</i> , <b>2009</b> , 45, 448-454  | 5.2 | 17 |
| 94 | Synthesis and properties of polyacetylenes containing carbazolylmethyl groups. <i>Polymer</i> , <b>2004</b> , 45, 7831-7837   | 3.7 | 17 |
| 93 | Tyrosine-based poly(m-phenyleneethynylene-p-phenyleneethynylene)s. Helix folding and responsiveness to a base. <i>Polymer</i> , <b>2010</b> , 51, 2255-2263   | 3.9 | 16 |
| 92 | Synthesis and Properties of Polyacetylenes Connecting Carbazole at the 2- and 3-Positions: Effect of Polymerization Catalysts and Substitution Positions on the Optoelectronic Properties. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 765-771 | 2.6 | 16 |
| 91 | Diethyl ketone-based imine as efficient latent hardener for epoxy resin. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 83, 1744-1749  | 2.9 | 16 |
| 90 | Sonogashira-Hagihara and Mizoroki-Heck Coupling Polymerizations Catalyzed by Pd Nanoclusters. <i>Macromolecules</i> , <b>2017</b> , 50, 4083-4087   | 5.5 | 15 |
| 89 | Synthesis of Novel Optically Active Poly(phenyleneethynylene-aryleneethynylene)s Bearing Hydroxy Groups. Examination of the Chiroptical Properties and Conjugation Length. <i>Macromolecules</i> , <b>2013</b> , 46, 8896-8904                                      | 5.5 | 15 |
| 88 | Molecular weight dependence of helical conformation of amino acid-based polyphenylacetylenes. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 4921-4925  | 2.5 | 15 |
| 87 | Homo- and R/S-copolymerizations of chiral methylpropargyl esters carrying pyrene moieties, and optical properties of the formed polymers. <i>Polymer</i> , <b>2007</b> , 48, 6491-6500  | 3.9 | 15 |
| 86 | Synthesis and Polymerization of Optically Active N-Propargylphosphoramidates: A Novel Helical Polymer Carrying a P-Chiral Center. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 1460-1464  | 4.8 | 15 |
| 85 | Degradation and geometric isomerization of poly(N-propargylamides). <i>Polymer</i> , <b>2004</b> , 45, 7395-7400  | 3.9 | 15 |
| 84 | Photocationic and radical polymerizations by novel N-phenacylammonium salts. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 3470-3476  | 2.9 | 15 |
| 83 | Synthesis of Optically Active Conjugated Polymers Bearing m-Terphenylene Moieties by Acetylenic Coupling Polymerization: Chiral Aggregation and Optical Properties of the Product Polymers. <i>Macromolecules</i> , <b>2014</b> , 47, 1594-1603                     | 5.5 | 14 |
| 82 | Synthesis of end-functionalized polyacetylenes that contain polar groups by employing well-defined palladium catalysts. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14085-93  | 4.8 | 14 |
| 81 | Helix-sense-selective Polymerization of Achiral Acetylene Monomer Catalyzed by Rh Zwitterionic Complexes with Tethered Chiral Amino and Ether Groups. <i>Chemistry Letters</i> , <b>2013</b> , 42, 278-280  | 1.7 | 14 |
| 80 | Synthesis and properties of conjugated polymers containing 3,9-carbazolylene and silylenevinylene moieties in the main chain. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 1815-1821  | 2.5 | 14 |
| 79 | Chiroptical study and conformation analysis of helical polymers surrounded by helical hydrogen-bonding strands. <i>Science and Technology of Advanced Materials</i> , <b>2006</b> , 7, 572-577  | 7.1 | 14 |
| 78 | Synthesis and Properties of a Novel Polyacetylene Containing Eugenol Moieties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2004</b> , 41, 133-141  | 2.2 | 14 |



- 77 Synthesis of platinum-containing poly(phenyleneethynylene)s having various chromophores: aggregation and optical properties. *Polymer Chemistry*, **2016**, 7, 1070-1078 4.9 13
- 76 Polymerization of a Disubstituted Acetylene Using Palladium Catalysts. *Chemistry Letters*, **2015**, 44, 1200-1201 4.7 13
- 75 Controlled helical orientation of carbazole in amino acid derived poly(N-propargylamide)s. *Journal of Polymer Science Part A*, **2007**, 45, 253-261 2.5 13
- 74 Synthesis and chiroptical properties of optically active poly(ethynylcarbazole) derivatives: Substituent effect on the helix formation. *Journal of Polymer Science Part A*, **2007**, 45, 4450-4458 2.5 13
- 73 Polymerization of substituted phenylacetylenes with a novel, water-soluble Rh<sup>III</sup> vinyl complex in water. *Journal of Polymer Science Part A*, **2004**, 42, 2100-2105 2.5 13
- 72 Synthesis and helical structures of poly(alkynamide)s having chiral side chains: effect of solvent on their screw-sense inversion. *Chemistry - A European Journal*, **2014**, 20, 15131-43 4.8 12
- 71 Stabilization of higher-order structure of poly(phenyleneethynylene)s by metathesis polymerization at the side chains. *Polymer*, **2012**, 53, 2559-2566 3.9 12
- 70 Synthesis and photoisomerization of poly(1-methylpropargyl ester)s carrying azobenzene moieties. *Journal of Polymer Science Part A*, **2009**, 47, 4749-4761 2.5 12
- 69 Synthesis and gas permeation properties of poly(diarylacetylene)s having substituted and twisted biphenyl moieties. *Journal of Polymer Science Part A*, **2010**, 48, 861-868 2.5 12
- 68 Synthesis and properties of amino acid esters of hydroxypropyl cellulose. *Journal of Polymer Science Part A*, **2008**, 46, 2326-2334 2.5 12
- 67 Synthesis of Optically Active Poly(m-phenyleneethynylene-aryleneethynylene)s Bearing Hydroxy Groups and Examination of the Higher Order Structures. *Macromolecules*, **2013**, 46, 8161-8170 5.5 11
- 66 Propargyl amino acid-derived optically active novel substituted polyacetylenes: Synthesis, secondary structures, and responsiveness to ions. *Journal of Polymer Science Part A*, **2012**, 50, 2008-2018 2.5 11
- 65 Reaction of glycidyl phenyl ether with imines: A model study of latent hardeners of epoxy resins in the presence of water. *Journal of Polymer Science Part A*, **2002**, 40, 971-975 2.5 11
- 64 Synthesis and absorption/emission properties of novel poly(silylenearylenevinylene)s. *Journal of Polymer Science Part A*, **2003**, 41, 3615-3624 2.5 11
- 63 Cyclopolymerization of Amino Acid-Based Diynes and Properties of the Obtained Polymers. Chiral Recognition and Metal Ion Extraction. *Polymer Bulletin*, **2005**, 55, 341-347 2.4 11
- 62 Transformer of Achiral Amounts to Chirality: Double Reversal of Enantioselectivity Using a Single Cocatalyst in Asymmetric Polymerization. *Macromolecules*, **2017**, 50, 7468-7474 5.5 10
- 61 Ligand Exchange Reaction for Controlling the Conformation of Platinum-Containing Polymers. *Macromolecules*, **2018**, 51, 815-824 5.5 10
- 60 Synthesis and crosslinking reaction of polyacetylenes substituted with benzoxazine rings: Thermally highly stable benzoxazine resins. *Journal of Polymer Science Part A*, **2018**, 56, 1884-1893 2.5 10

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| 59 | Synthesis of optically active conjugated polymers containing platinum in the main chain: Control of the higher-order structures by substituents and solvents. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 2452-2461 | 2.5 | 10 |
| 58 | Synthesis and properties of poly(phenylacetylenes) having two polar groups or one cyclic polar group on the phenyl ring. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 5943-5953                                      | 2.5 | 10 |
| 57 | One-pot curing system of epoxy resin imines initiated with water. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 88, 878-882  | 2.9 | 10 |
| 56 | Controlled cationic ring-opening polymerization of cyclic thiocarbonates with ester groups. <i>Journal of Polymer Science Part A</i> , <b>2003</b> , 41, 185-195   | 2.5 | 10 |
| 55 | Samarium enolate on crosslinked polystyrene beads. II. An anionic initiator for the well-defined synthesis of poly(allyl methacrylate) on a solid support. <i>Journal of Polymer Science Part A</i> , <b>2003</b> , 41, 853-860      | 2.5 | 10 |
| 54 | Synthesis of diblock copolymers of indomethacin/aspartic acid conjugated norbornenes and characterization of their self-assembled nanostructures as drug carriers. <i>European Polymer Journal</i> , <b>2016</b> , 85, 211-224       | 5.2 | 10 |
| 53 | Polycondensation of Diketopiperazine-based Dicarboxylic Acids with Diamines and Dibromoxylenes. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2007</b> , 44, 789-794                                    | 2.2 | 9  |
| 52 | Helical poly(phenylacetylene) derived from L-tyrosine: A promising candidate for functional helical polymers carrying transformable N- and C-termini. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 1691-1698         | 2.5 | 9  |
| 51 | Synthesis and properties of helical poly(phenylacetylene) derivatives. Effect of chirality combination on the helicity. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 4183-4192                                       | 2.5 | 9  |
| 50 | Solution Phase and Solid Supported Syntheses of End-Functionalized Poly(MMA) by Aldol-Type Reaction of Samarium(III) Enolate at the Chain End. <i>Macromolecules</i> , <b>2002</b> , 35, 6845-6850                                   | 5.5 | 9  |
| 49 | Synthesis of poly(1-chloro-2-arylacetylene)s with high cis-content and examination of their absorption/emission properties. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 382-388                                     | 2.5 | 8  |
| 48 | Controlled Polymerization of Phenylacetylenes Using Well-Defined Rhodium Catalysts. <i>Macromolecular Symposia</i> , <b>2015</b> , 350, 67-75  | 0.8 | 8  |
| 47 | Photoinduced formation of an azobenzene-based CD-active supramolecular cyclic dimer. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 6747-55   | 4.8 | 8  |
| 46 | Synthesis and properties of amino acid-derived optically active photo-responsive polymers. <i>Polymer Bulletin</i> , <b>2009</b> , 63, 803-813   | 2.4 | 8  |
| 45 | Amino acid-functionalized ethyl cellulose: Synthesis, characterization, and gas permeation properties. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3986-3993  | 2.5 | 8  |
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