

Mikihito Takenaka

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

4,850
citations

109264

35
h-index

114418

63
g-index

171
all docs

171
docs citations

171
times ranked

4652
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Spatial inhomogeneity of chain orientation associated with strain-induced density fluctuations in polyethylene. <i>Polymer Journal</i> , 2022, 54, 243-248. | 1.3 | 5 |
| 2 | Amphiphilic random and random block terpolymers with PEG, octadecyl, and oleyl pendants for controlled crystallization and microphase separation. <i>Polymer Chemistry</i> , 2021, 12, 1439-1447. | 1.9 | 10 |
| 3 | Neutron Reflectometry Tomography for Imaging and Depth Structure Analysis of Thin Films with In-Plane Inhomogeneity. <i>Langmuir</i> , 2021, 37, 196-203. | 1.6 | 3 |
| 4 | Influence of microstructural variations on morphology and separation properties of polybutadiene-based polyurethanes. <i>RSC Advances</i> , 2021, 11, 15449-15456. | 1.7 | 3 |
| 5 | Molecular Weight Effect on the Transition Processes of a Symmetric PS- <i>b</i> -P2VP during Spin-Coating. <i>Macromolecules</i> , 2021, 54, 1017-1029. | 2.2 | 1 |
| 6 | Effects of mixing process on spatial distribution and coexistence of sulfur and zinc in vulcanized EPDM rubber. <i>Polymer</i> , 2021, 218, 123486. | 1.8 | 12 |
| 7 | Amphiphilic Random Cyclocopolymers as Versatile Scaffolds for Ring-Functionalized and Self-Assembled Materials. <i>Macromolecules</i> , 2021, 54, 3987-3998. | 2.2 | 5 |
| 8 | Analyses of hierarchical structures in vulcanized SBR rubber by using contrast-variation USANS and SANS. <i>Journal of Applied Crystallography</i> , 2021, 54, 949-956. | 1.9 | 3 |
| 9 | Design guide of amphiphilic crystalline random copolymers for sub-10 nm microphase separation. <i>Polymer Chemistry</i> , 2021, 12, 501-510. | 1.9 | 12 |
| 10 | Multilayered Lamellar Materials and Thin Films by Instant Self-Assembly of Amphiphilic Random Copolymers. <i>ACS Macro Letters</i> , 2021, 10, 1524-1528. | 2.3 | 7 |
| 11 | Artifact removal in the contour areas of SAXS-CT images by Tikhonov-L1 minimization. <i>Journal of Applied Crystallography</i> , 2021, 54, 1784-1792. | 1.9 | 3 |
| 12 | Investigation of Interfacial Water Accumulation between Polypropylene Thin Film and Si Substrate by Neutron Reflectivity. <i>Langmuir</i> , 2021, 37, 14550-14557. | 1.6 | 7 |
| 13 | X-ray scattering study on the changes in the morphology of low-modulus polypropylene under cyclic uniaxial elongation. <i>Polymer Journal</i> , 2020, 52, 279-287. | 1.3 | 3 |
| 14 | Effect of Submicron Structures on the Mechanical Behavior of Polyethylene. <i>Macromolecules</i> , 2020, 53, 9097-9107. | 2.2 | 11 |
| 15 | Single-chain crosslinked polymers <i>via</i> the transesterification of folded polymers: from efficient synthesis to crystallinity control. <i>Polymer Chemistry</i> , 2020, 11, 5181-5190. | 1.9 | 10 |
| 16 | Self-Sorting of Amphiphilic Block-Pendant Homopolymers into Sphere or Rod Micelles in Water. <i>Macromolecules</i> , 2020, 53, 4942-4951. | 2.2 | 20 |
| 17 | Selective Coupling and Polymerization of Folded Polymer Micelles to Nanodomain Self-Assemblies. <i>ACS Macro Letters</i> , 2020, 9, 426-430. | 2.3 | 9 |
| 18 | Development of elastic recovering 4-methyl-1-pentene/propylene copolymer. <i>Polymer</i> , 2020, 191, 122269. | 1.8 | 3 |

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|----|---|-----|-----------|
| 19 | Improving grazing-incidence small-angle X-ray scattering's computed tomography images by total variation minimization. <i>Journal of Applied Crystallography</i> , 2020, 53, 140-147. | 1.9 | 7 |
| 20 | Quantum Beam Facilities and Their Application. <i>Seikei-Kakou</i> , 2020, 32, 43-47. | 0.0 | 0 |
| 21 | Self-assembly of amphiphilic block pendant polymers as microphase separation materials and folded flower micelles. <i>Polymer Chemistry</i> , 2019, 10, 4954-4961. | 1.9 | 30 |
| 22 | Viscoelastic effects on dynamics of concentration fluctuations in semi-dilute polymer solution in the good solvent regime. <i>Polymer</i> , 2019, 179, 121622. | 1.8 | 1 |
| 23 | Hierarchically self-organized filler particles in polymers: cascade evolution of dissipative structures to ordered structures. <i>Polymer Journal</i> , 2019, 51, 109-130. | 1.3 | 17 |
| 24 | Aggregation States of Poly(4-methylpentene-1) at a Solid Interface. <i>Polymer Journal</i> , 2019, 51, 247-255. | 1.3 | 14 |
| 25 | A study on the isothermal crystallization of poly(3-methylbutene-1). <i>Polymer Journal</i> , 2019, 51, 173-182. | 1.3 | 0 |
| 26 | Self-Sorting of Amphiphilic Copolymers for Self-Assembled Materials in Water: Polymers Can Recognize Themselves. <i>Journal of the American Chemical Society</i> , 2019, 141, 511-519. | 6.6 | 43 |
| 27 | Basics and Applications of X-ray Scattering. <i>Nippon Gomu Kyokaishi</i> , 2019, 92, 57-62. | 0.0 | 0 |
| 28 | Effect of Preferential Orientation of Lamellae in the Interfacial Region between a Block Copolymer-based Pressure-Sensitive Adhesive and a Solid Substrate on the Peel Strength. <i>Langmuir</i> , 2018, 34, 2856-2864. | 1.6 | 6 |
| 29 | Fluorous Gradient Copolymers via in-Situ Transesterification of a Perfluoromethacrylate in Tandem Living Radical Polymerization: Precision Synthesis and Physical Properties. <i>Macromolecules</i> , 2018, 51, 864-871. | 2.2 | 15 |
| 30 | Order-Order Transition Processes of Thin-Film Symmetric and Asymmetric PS- <i>b</i> -P2VP during Spin Coating. <i>Macromolecules</i> , 2018, 51, 10040-10051. | 2.2 | 7 |
| 31 | Intramolecular Folding or Intermolecular Self-Assembly of Amphiphilic Random Copolymers: On-Demand Control by Pendant Design. <i>Macromolecules</i> , 2018, 51, 3738-3745. | 2.2 | 50 |
| 32 | Nanostructured Materials via the Pendant Self-Assembly of Amphiphilic Crystalline Random Copolymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 8376-8379. | 6.6 | 70 |
| 33 | Hierarchical Structures in Soft Materials. <i>Nippon Gomu Kyokaishi</i> , 2018, 91, 365-369. | 0.0 | 0 |
| 34 | Precise small-angle X-ray scattering evaluation of the pore structures in track-etched membranes: Comparison with other convenient evaluation methods. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 394, 121-125. | 0.6 | 10 |
| 35 | Compartmentalization Technologies via Self-Assembly and Cross-Linking of Amphiphilic Random Block Copolymers in Water. <i>Journal of the American Chemical Society</i> , 2017, 139, 7164-7167. | 6.6 | 87 |
| 36 | Visualization of Individual Images in Patterned Organic-Inorganic Multilayers Using GISAXS-CT. <i>Langmuir</i> , 2017, 33, 4675-4681. | 1.6 | 6 |

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|----|--|------|-----------|
| 37 | Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15. | 13.5 | 973 |
| 38 | The Formation of OTDD Network Structure in PS- <i>b</i> -PI- <i>b</i> -PDMS Triblock Terpolymer. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700008. | 1.1 | 5 |
| 39 | 3D-TEM study on the novel bicontinuous microdomain structure. <i>Soft Matter</i> , 2017, 13, 8824-8828. | 1.2 | 6 |
| 40 | Structural Analyses of Blockcopolymer/Homopolymer Blends in Thin Films Using GI-SAXS. <i>Kobunshi Ronbunshu</i> , 2017, 74, 49-53. | 0.2 | 0 |
| 41 | Depth-Dependent Structural Analyses in PS- <i>b</i> -P2VP Thin Films as Revealed by Grazing Incidence Small Angle Scattering in the Tender Energy Region. <i>Kobunshi Ronbunshu</i> , 2017, 74, 109-113. | 0.2 | 3 |
| 42 | Phase behavior and Li ⁺ Ion conductivity of styrene- <i>b</i> -ethylene oxide multiblock copolymer electrolytes. <i>Polymers for Advanced Technologies</i> , 2016, 27, 946-954. | 1.6 | 13 |
| 43 | Precision Self-Assembly of Amphiphilic Random Copolymers into Uniform and Self-Sorting Nanocompartments in Water. <i>Macromolecules</i> , 2016, 49, 5084-5091. | 2.2 | 139 |
| 44 | Direct Observation on Spin-Coating Process of PS- <i>b</i> -P2VP Thin Films. <i>Macromolecules</i> , 2016, 49, 3471-3477. | 2.2 | 25 |
| 45 | Amphiphilic Random Copolymers with Hydrophobic/Hydrogen-Bonding Urea Pendants: Self-Folding Polymers in Aqueous and Organic Media. <i>Macromolecules</i> , 2016, 49, 7917-7927. | 2.2 | 77 |
| 46 | Intermediate-Range Order in Structurally Disordered Systems. <i>Nihon Kessho Gakkaishi</i> , 2016, 58, 48-53. | 0.0 | 0 |
| 47 | Structure in Polystyrene- <i>b</i> -polyisoprene Diblock Copolymer/Polystyrene Homopolymer Blends. <i>Macromolecules</i> , 2016, 49, 2257-2261. | 2.2 | 11 |
| 48 | Visualizing patterned thin films by grazing-incidence small-angle X-ray scattering coupled with computed tomography. <i>Journal of Applied Crystallography</i> , 2015, 48, 1645-1650. | 1.9 | 8 |
| 49 | Structure Analyses of Poly(styrene- <i>ran</i> -butadiene) Rubber Crosslinked by Sulfur with Small-Angle Neutron Scattering. <i>Macromolecular Symposia</i> , 2015, 353, 11-14. | 0.4 | 3 |
| 50 | Star Polymer Gels with Fluorinated Microgels via Star-Star Coupling and Cross-Linking for Water Purification. <i>ACS Macro Letters</i> , 2015, 4, 377-380. | 2.3 | 23 |
| 51 | Phase Boundary of Polystyrene- <i>b</i> -polyisoprene Diblock Copolymer Melts in the Polystyrene-Rich Region. <i>Macromolecules</i> , 2015, 48, 2211-2216. | 2.2 | 16 |
| 52 | Sequential Synthesis of Coordination Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1139-1143. | 7.2 | 13 |
| 53 | Structure Analyses of a Rubber/Filler System Under Shear Flow by Using Time Resolved Ultra Small Angle X-ray Scattering. <i>Kobunshi Ronbunshu</i> , 2014, 71, 98-103. | 0.2 | 0 |
| 54 | Phase Separation Kinetics in Polymer Blends. , 2014, , 1-6. | | 0 |

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| 55 | Survey of period variations of superhumps in SU UMa-type dwarf novae. VI. The sixth year (2013â€“2014). Publication of the Astronomical Society of Japan, 2014, 66, . | 1.0 | 24 |
| 56 | ULTRA SMALL-ANGLE X-RAY SCATTERING STUDY OF FLOCCULATION IN SILICA-FILLED RUBBER. Rubber Chemistry and Technology, 2014, 87, 348-359. | 0.6 | 16 |
| 57 | Nanoscale bending movement of biological micro-object induced by femtosecond laser impulse and its detection by atomic force microscopy. Applied Physics Express, 2014, 7, 087002. | 1.1 | 2 |
| 58 | Arm-Cleavable Microgel Star Polymers: A Versatile Strategy for Direct Core Analysis and Functionalization. Journal of the American Chemical Society, 2014, 136, 10254-10257. | 6.6 | 36 |
| 59 | Directed assembly nanolithography. , 2014, , 287-314. | | 1 |
| 60 | Analyses of Morphologies in Block Copolymer Thin Films by Grazing Incidence Small Angle X-ray Scattering. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 751-755. | 0.1 | 1 |
| 61 | Heterogeneous Density Fluctuation of Polyethylene under Uniaxial Stretch. Kobunshi Ronbunshu, 2014, 71, 573-579. | 0.2 | 1 |
| 62 | Morphology in Blends of Rubbery Polymers. , 2014, , 1-8. | | 0 |
| 63 | Blockcopolymer Lithography. Seikei-Kakou, 2014, 26, 247-252. | 0.0 | 0 |
| 64 | Directed self-assembly of block copolymers. Current Opinion in Chemical Engineering, 2013, 2, 88-94. | 3.8 | 8 |
| 65 | Analysis of structures of rubber-filler systems with combined scattering methods. Polymer Journal, 2013, 45, 10-19. | 1.3 | 40 |
| 66 | Influence of Temperature and Type of Solvents on the Microdomain Orientation of $\text{PS-}b\text{-PVP}$ Ultrathin Films by Solvent Annealing. Macromolecular Symposia, 2013, 327, 72-79. | 0.4 | 8 |
| 67 | High-precision spin coater for a synchrotron radiation <i>in situ</i> GISAXS system: for the investigation of formation mechanisms of self-assembled structures in polymer thin films. Journal of Applied Crystallography, 2013, 46, 1610-1615. | 1.9 | 12 |
| 68 | Simultaneous small- and wide-angle X-ray scattering studies on the crystallization dynamics of poly(4-methylpentene-1) from melt. Polymer Journal, 2013, 45, 79-86. | 1.3 | 18 |
| 69 | Experimental station for multiscale surface structural analyses of soft-material films at SPring-8 via a GISWAX/GIXD/XR-integrated system. Polymer Journal, 2013, 45, 109-116. | 1.3 | 51 |
| 70 | Pressure-induced structural change of intermediate-range order in poly(4-methyl-1-pentene) melt. Physical Review E, 2012, 85, 021807. | 0.8 | 21 |
| 71 | STRUCTURE ANALYSES OF SWOLLEN RUBBERâ€“CARBON BLACK SYSTEMS BY USING CONTRAST VARIATION SMALL-ANGLE NEUTRON SCATTERING. Rubber Chemistry and Technology, 2012, 85, 157-164. | 0.6 | 6 |
| 72 | Directed Self-Assembly of POSS Containing Block Copolymer on Lithographically Defined Chemical Template with Morphology Control by Solvent Vapor. Macromolecules, 2012, 45, 292-304. | 2.2 | 91 |

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|----|---|-----|-----------|
| 73 | Consecutive living polymerization from cationic to radical: a straightforward yet versatile methodology for the precision synthesis of "cleavable" block copolymers with a hemiacetal ester junction. <i>Polymer Chemistry</i> , 2012, 3, 2193. | 1.9 | 8 |
| 74 | Structural and Thermal Properties of Unpurified and Purified 12-Hydroxystearic Acid Solutions. <i>Journal of Fiber Science and Technology</i> , 2012, 68, 248-252. | 0.0 | 7 |
| 75 | Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. <i>Polymer Journal</i> , 2011, 43, 471-477. | 1.3 | 112 |
| 76 | Nucleation and Growth of Metal Nanoparticles during Photoreduction Using In Situ Time-Resolved SAXS Analysis. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14081-14092. | 1.5 | 90 |
| 77 | Ultra small angle X-ray scattering studies on density heterogeneity of linear low density polyethylene. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012006. | 0.3 | 2 |
| 78 | Analyses of Hierarchical Structures of Soft Materials by Using Combined Scattering Methods. <i>Nippon Gomu Kyokaishi</i> , 2011, 84, 7-13. | 0.0 | 3 |
| 79 | Directed Self-assembly with Density Multiplication of Cage Silsesquioxane-containing Bblock Copolymer via Controlled Solvent Annealing. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2011, 24, 577-580. | 0.1 | 15 |
| 80 | Inserting polyoxomolybdate cluster into poly(ϵ -caprolactone) to create a class of new heteropolymer: Synthesis and supramolecular structures. <i>Polymer</i> , 2011, 52, 1772-1780. | 1.8 | 26 |
| 81 | Structure Analyses of Swollen Rubber-carbon Black Systems by Contrast Variation SANS. <i>Nippon Gomu Kyokaishi</i> , 2010, 83, 390-394. | 0.0 | 1 |
| 82 | Computer simulation study on the shear-induced phase separation in semi-dilute polymer solutions by using Ianniruberto-Marrucci model. <i>Polymer</i> , 2010, 51, 1853-1860. | 1.8 | 3 |
| 83 | Formation of long-range stripe patterns with sub-10 nm half-pitch from directed self-assembly of block copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2297-2301. | 2.4 | 22 |
| 84 | Ultra small-angle X-ray scattering studies on structural changes in micrometers upon uniaxial stretching of segmented polyurethaneureas. <i>Polymer</i> , 2009, 50, 1566-1576. | 1.8 | 20 |
| 85 | Time-resolved SAXS studies of self-assembling process of palladium nanoparticles in templates of polystyrene-block-polyisoprene melt: Effects of reaction fields on the self-assembly. <i>Polymer</i> , 2009, 50, 2696-2705. | 1.8 | 12 |
| 86 | Nine-fold density multiplication of hcp lattice pattern by directed self-assembly of block copolymer. <i>Polymer</i> , 2009, 50, 4250-4256. | 1.8 | 45 |
| 87 | Structure Analyses of Swollen Rubber-Filler Systems by Using Contrast Variation SANS. <i>Macromolecules</i> , 2009, 42, 308-311. | 2.2 | 53 |
| 88 | Determination of the Phase Boundary in Polystyrene-block-polyisoprene Diblock Copolymer Melts. <i>Macromolecules</i> , 2009, 42, 5266-5271. | 2.2 | 49 |
| 89 | Measurements of Phase Behavior for Polyethylene in Hydrocarbons, Halogenated Hydrocarbons, and Oxygen-Containing Hydrocarbons, at High Pressure and High Temperature. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1585-1591. | 1.0 | 7 |
| 90 | Order-Disorder Transition of Nanocomposites: Pd Nanoparticles in Polystyrene-block-Polyisoprene Microdomain Templates. <i>Macromolecules</i> , 2009, 42, 5272-5277. | 2.2 | 12 |

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| 91 | Density Multiplication by Directed Self-assembly of Block Copolymer Binary Blends. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 229-233. | 0.1 | 11 |
| 92 | Study on Hierarchical Structure of Polyethylene by using USAXS, SAXS and WAXS. Kobunshi Ronbunshu, 2009, 66, 612-618. | 0.2 | 5 |
| 93 | Alkoxy-derived multiscale porous TiO ₂ gels probed by ultra-small-angle X-ray scattering and small-angle X-ray scattering. Journal of Sol-Gel Science and Technology, 2008, 46, 63-69. | 1.1 | 4 |
| 94 | Effect of thermomechanical history on the crystallization of poly(ether block amide). Polymer Engineering and Science, 2008, 48, 2418-2425. | 1.5 | 8 |
| 95 | Fabrication of Two-Dimensional Polymer Arrays: Template Synthesis of Polypyrrole between Redox-Active Coordination Nanoslits. Angewandte Chemie - International Edition, 2008, 47, 9883-9886. | 7.2 | 126 |
| 96 | Architecture dependence of thermal fluctuation effects on the order-disorder transition of block copolymer melts. Polymer, 2008, 49, 2979-2984. | 1.8 | 0 |
| 97 | Macroscopically oriented lamellar microdomains created by "cold zone-heating" method involving OOT. Polymer, 2008, 49, 5146-5157. | 1.8 | 20 |
| 98 | Directed Self-Assembly of Diblock Copolymer Thin Films on Chemically-Patterned Substrates for Defect-Free Nano-Patterning. Macromolecules, 2008, 41, 9267-9276. | 2.2 | 106 |
| 99 | Cylindrical Domains of Block Copolymers Developed via Ordering under Moving Temperature Gradient: Real-Space Analysis. Macromolecules, 2008, 41, 8789-8799. | 2.2 | 30 |
| 100 | Stability of the F_{ddd} Phase in Diblock Copolymer Melts. Macromolecules, 2008, 41, 7667-7670. | 2.2 | 57 |
| 101 | New Insight into Hierarchical Structures of Carbon Black Dispersed in Polymer Matrices: A Combined Small-Angle Scattering Study. Macromolecules, 2008, 41, 453-464. | 2.2 | 155 |
| 102 | Ordering of Cylindrical Domain of Block Copolymers under Moving Temperature Gradient: Effects of Moving Rate. Macromolecules, 2008, 41, 6780-6786. | 2.2 | 13 |
| 103 | Shear small-angle light scattering studies of shear-induced concentration fluctuations and steady state viscoelastic properties. Journal of Chemical Physics, 2008, 128, 164911. | 1.2 | 22 |
| 104 | Ordering of Cylindrical Domains of Block Copolymers under Moving Temperature Gradient: Separation of $\frac{1}{2}T$ -Induced Ordering from Surface-Induced Ordering. Macromolecules, 2008, 41, 6787-6792. | 2.2 | 23 |
| 105 | Quantitative comparison between dynamic structure factors obtained experimentally and those calculated with Doi-Onuki theory. Journal of Chemical Physics, 2007, 126, 064903. | 1.2 | 7 |
| 106 | Butterfly patterns in crystalline polymers under uniaxial stretch. Physical Review E, 2007, 75, 061802. | 0.8 | 11 |
| 107 | Alignment of Cylindrical Microdomains on a Grating Substrate by Binary Blends of Polystyrene-Poly(methyl methacrylate). Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 505-510. | 0.1 | 0 |
| 108 | Computer Simulation Study on the Shear-Induced Phase Separation in Semi-Dilute Polymer Solutions by Using Ianniruberto-Marrucci Model. Kobunshi Ronbunshu, 2007, 64, 324-327. | 0.2 | 1 |

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| 109 | Control of the Microdomain Orientation in Block Copolymer Thin Films with Homopolymers for Lithographic Application. <i>Langmuir</i> , 2007, 23, 6404-6410. | 1.6 | 41 |
| 110 | Cylindrical Domains of Block Copolymers Developed via Ordering under Moving Temperature Gradient. <i>Macromolecules</i> , 2007, 40, 5923-5933. | 2.2 | 50 |
| 111 | Orthorhombic Fddd Network in Diblock Copolymer Melts. <i>Macromolecules</i> , 2007, 40, 4399-4402. | 2.2 | 154 |
| 112 | Ordering Cylindrical Microdomains for Binary Blends of Block Copolymers with Graphoepitaxy. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2137-2144. | 2.0 | 20 |
| 113 | Estimation of the mechanical property of meniscus using ultrasound: Examinations of native meniscus and effects of enzymatic digestion. <i>Journal of Orthopaedic Research</i> , 2007, 25, 884-893. | 1.2 | 14 |
| 114 | Concentration fluctuations induced by orientation fluctuations in polybutadiene- <i>t</i> -4-cyano-4'-n-octylbiphenyl mixtures. <i>Journal of Applied Crystallography</i> , 2007, 40, s662-s665. | 1.9 | 0 |
| 115 | Structural development of dynamically asymmetric polymer blends under uniaxial stretching. <i>Journal of Applied Crystallography</i> , 2007, 40, s656-s661. | 1.9 | 2 |
| 116 | Self-Assembling in Polymerization Processes of N-Isopropylacrylamide. <i>Polymer Journal</i> , 2007, 39, 1112-1116. | 1.3 | 3 |
| 117 | Concentration Fluctuations Induced by Orientation Fluctuations in Polymer-Liquid Crystal Mixture. <i>Macromolecules</i> , 2006, 39, 6229-6232. | 2.2 | 5 |
| 118 | Stress-Diffusion Coupling and Viscoelastic Effects on Early Stage Spinodal Decomposition in Polymer Solutions. <i>E-Journal of Soft Materials</i> , 2006, 2, 37-41. | 2.0 | 0 |
| 119 | Effects of shear flow on a semidilute polymer solution under phase-separating condition. <i>Polymer</i> , 2006, 47, 7271-7281. | 1.8 | 7 |
| 120 | Computer simulation study on the shear-induced phase separation in semidilute polymer solutions in 3-dimensional space. <i>Polymer</i> , 2006, 47, 7846-7852. | 1.8 | 7 |
| 121 | Scattering studies of novel degradable block copolymers of strong segregation class. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 589-594. | 2.8 | 1 |
| 122 | Viscoelastic effects on early stage of spinodal decomposition in dynamically asymmetric polymer blends. <i>Journal of Chemical Physics</i> , 2006, 124, 104904. | 1.2 | 12 |
| 123 | Synchrotron Small-Angle X-ray Scattering of Relaxation Process in a Nonentangled Diblock Copolymer. <i>Macromolecules</i> , 2005, 38, 8481-8485. | 2.2 | 1 |
| 124 | Later-stage spinodal decomposition in polymer solution under high pressure—analyses of q_m and l_m . <i>Polymer</i> , 2005, 46, 10782-10787. | 1.8 | 6 |
| 125 | Structure Factors of Dispersible Units of Carbon Black Filler in Rubbers. <i>Langmuir</i> , 2005, 21, 11409-11413. | 1.6 | 76 |
| 126 | Later-Stage Spinodal Decomposition in Polymer Solution under High Pressure: Analyses of Scaled Structure Factor. <i>Macromolecules</i> , 2005, 38, 10487-10493. | 2.2 | 7 |

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|-----|---|-----|-----------|
| 127 | Dynamic Viscoelasticity in Sol and Gel States for 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol/molten Polystyrene Systems. <i>Nihon Reoroji Gakkaishi</i> , 2005, 33, 267-272. | 0.2 | 1 |
| 128 | Phase Separated Structures in a Binary Blend of Diblock Copolymers under an Extensional Force Field â€œHelical Domain Structureâ€œ. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 1371-1374. | 0.7 | 13 |
| 129 | Which cartilage is regenerated, hyaline cartilage or fibrocartilage? Non-invasive ultrasonic evaluation of tissue-engineered cartilage. <i>British Journal of Rheumatology</i> , 2004, 43, 1106-1108. | 2.5 | 14 |
| 130 | Shear-induced phase separation in â€œnonentangledâ€œ oligomer mixture. <i>Journal of Chemical Physics</i> , 2004, 121, 7501-7504. | 1.2 | 7 |
| 131 | Comparison in fractal dimension between those obtained from structure factor and viscoelasticity of gel networks of 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol in polystyrene melt at gel point. <i>Journal of Chemical Physics</i> , 2004, 121, 3323-3328. | 1.2 | 20 |
| 132 | Self-assembly and morphology of gel networks in 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol/n-dibutylphthalate. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 456-465. | 5.0 | 17 |
| 133 | Pressure dependence of thermal fluctuation effects on the orderâ€œdisorder transition of diblock copolymer solutions. <i>Journal of Applied Crystallography</i> , 2003, 36, 656-659. | 1.9 | 4 |
| 134 | Viscoelastic effects in dynamics of concentration fluctuations in dynamically asymmetric polymer blends. <i>Journal of Applied Crystallography</i> , 2003, 36, 642-645. | 1.9 | 8 |
| 135 | Viscoelastic effects in relaxation processes of concentration fluctuations in dynamically asymmetric polymer blends. <i>Physical Review E</i> , 2002, 65, 021806. | 0.8 | 21 |
| 136 | Time evolution of dynamic shear moduli in a physical gelation process of 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol in polystyrene melt: Critical exponent and gel strength. <i>Physical Review E</i> , 2002, 65, 041401. | 0.8 | 29 |
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