

# Yushu Matsushita

## List of Publications by Citations

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240  
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ext. citations

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L-index

#	Paper	IF	Citations
230	Polymeric quasicrystal: mesoscopic quasicrystalline tiling in ABC star polymers. <i>Physical Review Letters</i> , <b>2007</b> , 98, 195502	7.4	275
229	Preparation and morphology of triblock copolymers of the ABC type. <i>Macromolecules</i> , <b>1992</b> , 25, 5408-5414	5.5	196
228	Superlattice Structures in Morphologies of the ABC Triblock Copolymers. <i>Macromolecules</i> , <b>1994</b> , 27, 6755-6760	5.5	188
227	Creation of Hierarchically Ordered Nanophase Structures in Block Polymers Having Various Competing Interactions. <i>Macromolecules</i> , <b>2007</b> , 40, 771-776	5.5	160
226	Temperature, composition and molecular-weight dependence of the binary interaction parameter of polystyrene/poly(vinyl methyl ether) blends. <i>Polymer</i> , <b>1988</b> , 29, 2002-2014	3.9	156
225	Thermoreversible Supramacromolecular Ion Gels via Hydrogen Bonding. <i>Macromolecules</i> , <b>2008</b> , 41, 5839-5844	5.5	151
224	Design and properties of supramolecular polymer gels. <i>Soft Matter</i> , <b>2012</b> , 8, 6416	3.6	138
223	A mesoscopic Archimedean tiling having a new complexity in an ABC star polymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 2427-2432	2.6	134
222	Observation of Cylinder-Based Microphase-Separated Structures from ABC Star-Shaped Terpolymers Investigated by Electron Computerized Tomography. <i>Macromolecules</i> , <b>2004</b> , 37, 9941-9946	5.5	121
221	Tricontinuous morphology of triblock copolymers of the ABC type. <i>Macromolecules</i> , <b>1992</b> , 25, 5412-5415	5.5	120
220	Molecular weight dependence of lamellar domain spacing of diblock copolymers in bulk. <i>Macromolecules</i> , <b>1990</b> , 23, 4313-4316	5.5	119
219	Mechanical Property Enhancement of ABA Block Copolymer-Based Elastomers by Incorporating Transient Cross-Links into Soft Middle Block. <i>Macromolecules</i> , <b>2015</b> , 48, 421-431	5.5	101
218	Gelation Mechanism of Thermoreversible Supramacromolecular Ion Gels via Hydrogen Bonding. <i>Macromolecules</i> , <b>2009</b> , 42, 5802-5810	5.5	101
217	Effect of Composition Distribution on Microphase-Separated Structure from Diblock Copolymers. <i>Macromolecules</i> , <b>2003</b> , 36, 8074-8077	5.5	95
216	Melt Rheology of Ring Polystyrenes with Ultrahigh Purity. <i>Macromolecules</i> , <b>2015</b> , 48, 3140-3147	5.5	94
215	Three-Phase Hierarchical Structures from AB/CD Diblock Copolymer Blends with Complemental Hydrogen Bonding Interaction. <i>Macromolecules</i> , <b>2005</b> , 38, 8811-8815	5.5	85
214	Dimension of ring polymers in bulk studied by Monte-Carlo simulation and self-consistent theory. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 144902	3.9	84

213	Systematic Transitions of Tiling Patterns Formed by ABC Star-Shaped Terpolymers. <i>Macromolecules</i> , <b>2006</b> , 39, 9402-9408	5.5	84
212	Preparation and Characterization of a Styrene-Isoprene Undecablock Copolymer and Its Hierarchical Microdomain Structure in Bulk. <i>Macromolecules</i> , <b>2005</b> , 38, 10220-10225	5.5	77
211	Nanophase-Separated Structures of AB Block Copolymer/C Homopolymer Blends with Complementary Hydrogen-Bonding Interactions. <i>Macromolecules</i> , <b>2008</b> , 41, 7695-7698	5.5	76
210	Radii of Gyration of Ring-Shaped Polystyrenes with High Purity in Dilute Solutions.. <i>Macromolecules</i> , <b>2012</b> , 45, 369-373	5.5	74
209	Conductive metal nanowires templated by the nucleoprotein filaments, complex of DNA and RecA protein. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8120-5	16.4	74
208	The tricontinuous double-gyroid structure from a three-component polymer system. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 4862-4868	3.9	73
207	Nanophase-separated synchronizing structure with parallel double periodicity from an undecablock terpolymer. <i>Physical Review Letters</i> , <b>2006</b> , 97, 098301	7.4	72
206	Effect of Molecular Weight Distribution on Microphase-Separated Structures from Block Copolymers. <i>Macromolecules</i> , <b>2005</b> , 38, 4371-4376	5.5	71
205	Effect of Composition Distribution on Microphase-Separated Structure from BAB Triblock Copolymers. <i>Macromolecules</i> , <b>2004</b> , 37, 3804-3808	5.5	70
204	Shear stabilization of critical fluctuations in bulk polymer blends studied by small angle neutron scattering. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 795-810	3.9	67
203	Lamellar Domain Spacings of Diblock Copolymer/Homopolymer Blends and Conformations of Block Chains in Their Microdomains. <i>Macromolecules</i> , <b>1997</b> , 30, 5698-5703	5.5	66
202	Preparation and Morphology of Ring-Shaped Polystyrene-block-polyisoprenes. <i>Macromolecules</i> , <b>2003</b> , 36, 3045-3050	5.5	66
201	Hierarchical Morphologies Formed by ABC Star-Shaped Terpolymers. <i>Macromolecules</i> , <b>2007</b> , 40, 3695-3699	5.5	65
200	Archimedean Tiling Patterns of ABC Star-Shaped Terpolymers Studied by Microbeam Small-Angle X-ray Scattering. <i>Macromolecules</i> , <b>2006</b> , 39, 4869-4872	5.5	65
199	Preparation and Characterization of Cyclic Polystyrenes. <i>Polymer Journal</i> , <b>2005</b> , 37, 506-511	2.7	64
198	HPLC Characterization of Cyclization Reaction Product Obtained by End-to-End Ring Closure Reaction of a Telechelic Polystyrene. <i>Macromolecules</i> , <b>2007</b> , 40, 679-681	5.5	63
197	Comparison of Interdiffusion Behavior between Cyclic and Linear Polystyrenes with High Molecular Weights. <i>Macromolecules</i> , <b>2006</b> , 39, 5180-5182	5.5	62
196	The second virial coefficients of highly-purified ring polystyrenes in cyclohexane. <i>Polymer</i> , <b>2009</b> , 50, 1306-1306	5.5	61

- 195 Chain conformation of a block polymer in a microphase-separated structure. *Macromolecules*, **1990**, 23, 4317-4321 5.5 61
- 194 Effect of Homopolymer Molecular Weight on Nanophase-Separated Structures of AB Block Copolymer/C Homopolymer Blends with Hydrogen-Bonding Interactions. *Macromolecules*, **2009**, 42, 7098-7102 5.5 60
- 193 Thermoreversible Supramolecular Polymer Gels via Metal-Ligand Coordination in an Ionic Liquid. *Macromolecules*, **2013**, 46, 8304-8310 5.5 59
- 192 Surfaces of tricontinuous structure formed by an ABC triblock copolymer in bulk. *Physica B: Condensed Matter*, **1998**, 248, 238-242 2.8 59
- 191 Viscosity dependence of the local segmental dynamics of anthracene-labeled polystyrene in dilute solution. *Macromolecules*, **1991**, 24, 3147-3153 5.5 57
- 190 Preparation and Morphological Properties of a Triblock Copolymer of the ABC Type. *Macromolecules*, **1980**, 13, 1053-1058 5.5 57
- 189 Alternating Lamellar Structure of Triblock Copolymers of the ABA Type. *Macromolecules*, **1995**, 28, 6007-6013 5.5 56
- 188 Neutron Reflection Studies on Segment Distribution of Block Chains in Lamellar Microphase-Separated Structures. *Macromolecules*, **1997**, 30, 2907-2914 5.5 55
- 187 Effect of Loop/Bridge Conformation Ratio on Elastic Properties of the Sphere-Forming ABA Triblock Copolymers: Preparation of Samples and Determination of Loop/Bridge Ratio. *Macromolecules*, **2005**, 38, 9718-9723 5.5 55
- 186 Molecular weight dependence of the lamellar domain spacing of ABC triblock copolymers and their chain conformations in lamellar domains. *Macromolecules*, **1993**, 26, 5169-5173 5.5 53
- 185 Photonic Block Copolymer Films Swollen with an Ionic Liquid. *Macromolecules*, **2014**, 47, 4103-4109 5.5 50
- 184 Archimedean Tiling Structures from ABA/CD Block Copolymer Blends Having Intermolecular Association with Hydrogen Bonding. *Macromolecules*, **2006**, 39, 2232-2237 5.5 50
- 183 Hierarchical nanophase-separated structures created by precisely-designed polymers with complexity. *Polymer*, **2009**, 50, 2191-2203 3.9 48
- 182 Jewelry Box of Morphologies with Mesoscopic Length Scales - ABC Star-shaped Terpolymers. *Macromolecular Rapid Communications*, **2010**, 31, 1579-87 4.8 46
- 181 Topological effect in ring polymers investigated with Monte Carlo simulation. *Journal of Chemical Physics*, **2008**, 129, 034903 3.9 45
- 180 Composition-Dependent Morphological Transition of Hierarchically-Ordered Structures Formed by Multiblock Terpolymers. *Macromolecules*, **2007**, 40, 4023-4027 5.5 45
- 179 Highly Extensible Supramolecular Elastomers with Large Stress Generation Capability Originating from Multiple Hydrogen Bonds on the Long Soft Network Strands. *Macromolecular Rapid Communications*, **2016**, 37, 678-84 4.8 44
- 178 Analytical solutions describing the phase separation driven by a free energy functional containing a long-range interaction term. *Chaos*, **1999**, 9, 329-341 3.3 43

177	Preparation and Morphology Control of Block Copolymer/Metal Salt Hybrids via Solvent-Casting by Using a Solvent with Coordination Ability. <i>Macromolecules</i> , <b>2010</b> , 43, 5358-5364	5.5	42
176	Tricontinuous Double-Diamond Structure Formed by a Styrene-Isoprene-2-Vinylpyridine Triblock Copolymer. <i>Macromolecules</i> , <b>1994</b> , 27, 3680-3682	5.5	42
175	Diblock-type supramacromolecule via biocomplementary hydrogen bonding. <i>Biomacromolecules</i> , <b>2006</b> , 7, 1696-9	6.9	41
174	Dynamic light scattering measurements of polystyrene in semidilute theta solutions. <i>Polymer</i> , <b>1984</b> , 25, 650-658	3.9	41
173	Preparation and morphology of multiblock copolymers of the (AB) <sub>n</sub> type. <i>Polymer</i> , <b>1994</b> , 35, 246-249	3.9	39
172	Shape-directed assembly of a "macromolecular barb" into nanofibers: stereospecific cyclopolymerization of isopropylidene diallylmalonate. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3292-4	16.4	38
171	Simple preparation of supramolecular polymer gels via hydrogen bonding by blending two liquid polymers. <i>Soft Matter</i> , <b>2011</b> , 7, 1667	3.6	38
170	Nanophase-Separated Supramolecular Assemblies of Two Functionalized Polymers via Acid-Base Complexation. <i>Macromolecules</i> , <b>2011</b> , 44, 6241-6244	5.5	38
169	Miscibility of Isotactic Polypropylene/Ethylene-Propylene Random Copolymer Binary Blends. <i>Macromolecules</i> , <b>1999</b> , 32, 3227-3234	5.5	38
168	Morphologies of ABC-type triblock copolymers with different compositions. <i>Macromolecules</i> , <b>1983</b> , 16, 10-13	5.5	36
167	Enthalpy-Driven Swelling of Photonic Block Polymer Films. <i>Macromolecules</i> , <b>2016</b> , 49, 8971-8979	5.5	35
166	Precise Molecular Design of Complex Polymers and Morphology Control of Their Hierarchical Multiphase Structures. <i>Polymer Journal</i> , <b>2008</b> , 40, 177-183	2.7	35
165	Chain Localization and Interfacial Thickness in Microphase-Separated Structures of Block Copolymers with Variable Composition Distributions. <i>Macromolecules</i> , <b>2006</b> , 39, 7654-7661	5.5	35
164	Preparation and characterization of a pentablock copolymer of the ABACA type. <i>Macromolecules</i> , <b>1983</b> , 16, 1-5	5.5	34
163	Preparation and Characterization of Poly(2-vinylpyridine) with Narrow Molecular Weight Distributions. <i>Polymer Journal</i> , <b>1986</b> , 18, 361-366	2.7	34
162	Effect of Loop/Bridge Conformation Ratio on Elastic Properties of the Sphere-Forming ABA Triblock Copolymers under Uniaxial Elongation. <i>Macromolecules</i> , <b>2005</b> , 38, 9724-9729	5.5	32
161	Design and properties of supramolecular elastomers. <i>Polymer</i> , <b>2017</b> , 128, 297-310	3.9	31
160	Formation of Tetragonally-Packed Rectangular Cylinders from ABC Block Terpolymer Blends. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 166-169	6.6	30

159	Preparation and Morphology of Hybrids Composed of a Block Copolymer and Semiconductor Nanoparticles via Hydrogen Bonding. <i>Macromolecules</i> , <b>2012</b> , 45, 8013-8020	5.5	30
158	Studies on equilibrium structures of complex polymers in condensed systems. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2000</b> , 38, 1645-1655	2.6	30
157	Melt Rheology of Tadpole-Shaped Polystyrenes. <i>Macromolecules</i> , <b>2015</b> , 48, 8667-8674	5.5	29
156	Viscoelastic properties of supramolecular soft materials with transient polymer network. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2014</b> , 52, 755-764	2.6	29
155	Creation of Hierarchical Nanophase-Separated Structures via Supramacromolecular Self-Assembly from Two Asymmetric Block Copolymers with Short Interacting Sequences Giving Hydrogen Bonding Interaction. <i>Macromolecules</i> , <b>2010</b> , 43, 1101-1107	5.5	29
154	Neutron Reflectometry on Interfacial Structures of the Thin Films of Polymer and Lipid. <i>Polymer Journal</i> , <b>2007</b> , 39, 1238-1246	2.7	29
153	Noncentrosymmetric Structure from a Tetrablock Quarterpolymer of the ABCA Type. <i>Macromolecules</i> , <b>2003</b> , 36, 9288-9291	5.5	29
152	Observation of Four-Phase Lamellar Structure from a Tetrablock Quarterpolymer of the ABCD Type. <i>Macromolecules</i> , <b>2003</b> , 36, 8216-8218	5.5	29
151	Re-examination of terminal relaxation behavior of high-molecular-weight ring polystyrene melts. <i>Rheologica Acta</i> , <b>2017</b> , 56, 567-581	2.3	28
150	Kaleidoscopic morphologies from ABC star-shaped terpolymers. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 284111	1.8	28
149	Giant Zincblende Structures Formed by an ABC Star-Shaped Terpolymer/Homopolymer Blend System. <i>Macromolecules</i> , <b>2008</b> , 41, 6269-6271	5.5	28
148	Chain elongation suppression of cyclic block copolymers in lamellar microphase-separated bulk. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 1129-32	3.9	28
147	Kaleidoscopic Tiling Patterns with Large Unit Cells from ABC Star-Shaped Terpolymer/Diblock Copolymer Blends with Hydrogen Bonding Interaction. <i>Macromolecules</i> , <b>2017</b> , 50, 979-986	5.5	27
146	Preparation, Characterization, and Nanophase-Separated Structure of Catenated Polystyrene-Polyisoprene. <i>Macromolecules</i> , <b>2008</b> , 41, 3957-3961	5.5	27
145	Viscoelastic Properties of Poly(2-vinylpyridine) in Bulk and Solution. <i>Polymer Journal</i> , <b>1996</b> , 28, 1065-1070	2.7	27
144	Studies of Styrene and 2-Vinylpyridine Block Copolymers; Preparation and Characterization. <i>Polymer Journal</i> , <b>1986</b> , 18, 493-499	2.7	27
143	Conformations of Ring Polystyrenes in Bulk Studied by SANS. <i>Macromolecules</i> , <b>2018</b> , 51, 1539-1548	5.5	26
142	Concentration Dependence of Radius of Gyration of Sodium Poly(styrenesulfonate) over a Wide Range of Concentration Studied by Small-Angle Neutron Scattering. <i>Langmuir</i> , <b>1999</b> , 15, 4120-4122	4	26

141	Preparation and characterization of ABB graft copolymers. <i>Polymer</i> , <b>1996</b> , 37, 321-325	3.9	26
140	Preparation and morphologies of 4- and 12-armed styrene-isoprene star-shaped block copolymers. <i>Polymer</i> , <b>1994</b> , 35, 2862-2866	3.9	25
139	Chain conformations and locations of parts of a block polymer in a lamellar structure. <i>Macromolecules</i> , <b>1990</b> , 23, 4387-4391	5.5	25
138	Precise Synthesis and Characterization of Tadpole-Shaped Polystyrenes with High Purity. <i>Macromolecules</i> , <b>2013</b> , 46, 1075-1081	5.5	24
137	Crystal-like Array Formation in Phase Separation Induced by Radical Polymerization. <i>Macromolecules</i> , <b>2005</b> , 38, 7127-7133	5.5	24
136	Molecular Weight Dependence of Structures and Rheological Properties for Fumed Silica Suspensions in Polystyrene Solutions. <i>Langmuir</i> , <b>1996</b> , 12, 6179-6183	4	24
135	Synthesis, separation and characterization of knotted ring polymers. <i>Polymer</i> , <b>2012</b> , 53, 466-470	3.9	23
134	Lamellar Orientation of Diblock Copolymer Solutions under Steady Shear Flow. <i>Macromolecules</i> , <b>1998</b> , 31, 8083-8090	5.5	23
133	Ring Structure of Cyclic Poly(2-vinylpyridine) Proved by Pyrolysis-IC/MS. <i>Macromolecules</i> , <b>1999</b> , 32, 6541-6544	5.5	23
132	Localization of a homopolymer dissolved in a lamellar structure of a block copolymer studied by small-angle neutron scattering. <i>Macromolecules</i> , <b>1993</b> , 26, 6346-6349	5.5	23
131	Expansion factor of a part of a polymer chain in a good solvent measured by small-angle neutron scattering. <i>Macromolecules</i> , <b>1984</b> , 17, 1785-1789	5.5	23
130	Stoichiometric Effects on Nanostructures of Block- and Graft-Type Supramacromolecules via Acid-Base Complexation. <i>Macromolecules</i> , <b>2008</b> , 41, 9277-9283	5.5	22
129	Composition dependence of nanophase-separated structures formed by star-shaped terpolymers of the A1.0B1.0CX type. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 2277-2283	2.6	22
128	Preparation and characterization of cyclic polystyrene with short poly(2-tert-butylbutadiene) sequences. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2002</b> , 40, 1582-1589	2.6	22
127	Preparation and Morphology of Model Graft Copolymers of the A3B2 Type with Different Graft Junction Points. <i>Polymer Journal</i> , <b>2001</b> , 33, 732	2.7	22
126	Synthesis and Characterization of Comb-Shaped Ring Polystyrenes. <i>Macromolecules</i> , <b>2016</b> , 49, 3109-3115	5.5	22
125	Anisotropic self-assembly of gold nanoparticle grafted with polyisoprene and polystyrene having symmetric polymer composition. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6798-801	16.4	21
124	Lamellar domain spacing of the ABB graft copolymers. <i>Polymer</i> , <b>1997</b> , 38, 149-153	3.9	21

123	Novel Miscible Polymer Blend of Poly(4-trimethylsilylstyrene) and Polyisoprene. <i>Macromolecules</i> , <b>2005</b> , 38, 1868-1873	5.5	20
122	Self-assembly template during morphological transition of a linear ABC triblock copolymer from lamellar to Gyroid structure. <i>Polymer</i> , <b>2004</b> , 45, 8989-8997	3.9	20
121	Fabrication and modification of ordered nanoporous structures from nanophase-separated block copolymer/metal salt hybrids. <i>Langmuir</i> , <b>2012</b> , 28, 17524-9	4	19
120	Precise Analyses of Short-Time Relaxation at Asymmetric Polystyrene Interface in Terms of Molecular Weight by Time-Resolved Neutron Reflectivity Measurements. <i>Macromolecules</i> , <b>2011</b> , 44, 9424-9433 <sup>19</sup>	5.5	19
119	Conformations of Ring Polystyrenes in Semidilute Solutions and in Linear Polymer Matrices Studied by SANS. <i>Macromolecules</i> , <b>2018</b> , 51, 6836-6847	5.5	18
118	Creation of Cylindrical Morphologies with Extremely Large Oblong Unit Lattices from ABC Block Terpolymer Blends. <i>Macromolecules</i> , <b>2015</b> , 48, 1538-1542	5.5	18
117	Temperature and Molecular Weight Dependence of Mutual Diffusion Coefficient of Cyclic Polystyrene/Cyclic Deuterated Polystyrene Bilayer Films. <i>Macromolecules</i> , <b>2012</b> , 45, 6748-6752	5.5	18
116	Order-Disorder Transition of Symmetric Poly(styrene-b-2-vinylpyridine) in Bulk and Solution. <i>Polymer Journal</i> , <b>1998</b> , 30, 388-393	2.7	18
115	Apparatus for Small-Angle Neutron Scattering and Rheological Measurements under Sheared Conditions.. <i>Nihon Reoroji Gakkaishi</i> , <b>2000</b> , 28, 187-191	0.8	18
114	Periodic and Aperiodic Tiling Patterns from a Tetrablock Terpolymer System of the A1BA2C Type. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 32-37	6.6	18
113	Asymmetric Double Tetragonal Domain Packing from ABC Triblock Terpolymer Blends with Chain Length Difference. <i>Macromolecules</i> , <b>2016</b> , 49, 6940-6946	5.5	18
112	Thermoreversible Morphology Transition from Block-Type Supramacromolecules via Hydrogen Bonding in an Ionic Liquid. <i>Macromolecules</i> , <b>2009</b> , 42, 6335-6338	5.5	17
111	Novel synthesis and characterization of bioconjugate block copolymers having oligonucleotides. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2328-33	6.9	17
110	Preparation and evaluation of a dispersant for gypsum paste from acid hydrolysis lignin. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 98, 2508-2513	2.9	17
109	Phase contrast matching in lamellar structures composed of mixtures of labeled and unlabeled block copolymer for small-angle neutron scattering. <i>Macromolecules</i> , <b>1988</b> , 21, 1802-1806	5.5	17
108	Tricontinuous Double Diamond Network Structure from Binary Blends of ABC Triblock Terpolymers. <i>Macromolecules</i> , <b>2017</b> , 50, 5402-5411	5.5	16
107	Preparation and Characterization of Diblock Copolymers of the AB and CD Types and their Self-Assembled Structure by Hydrogen Bonding Interaction. <i>Polymer Journal</i> , <b>2006</b> , 38, 258-263	2.7	16
106	Morphology of ABC triblock copolymer/homopolymer blend systems. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2002</b> , 40, 1135-1141	2.6	16



105	Topological constraint in ring polymers under theta conditions studied by Monte Carlo simulation. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 024902	3.9	15
104	Small-angle X-ray scattering analysis of the periodic tricontinuous network structure of symmetric ABC triblock copolymers. <i>Journal of Applied Crystallography</i> , <b>2000</b> , 33, 285-290	3.8	15
103	SANS Study of Ring Topology Effects on the Miscibility of Polymer Blends. <i>Macromolecules</i> , <b>2018</b> , 51, 1885-1893	5.5	14
102	Thin Films with Perpendicular Tetragonally Packed Rectangular Rods Obtained from Blends of Linear ABC Block Terpolymers. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 789-794	6.6	14
101	Dielectric Behavior of Guest cis-Polyisoprene Confined in Spherical Microdomain of Triblock Copolymer.. <i>Macromolecules</i> , <b>2012</b> , 45, 2809-2819	5.5	14
100	SEC/MALS characterization of cyclization reaction products: Formation of knotted ring polymer. <i>Polymer</i> , <b>2009</b> , 50, 1297-1299	3.9	14
99	Interfacial structures of block and graft copolymers with lamellar microphase-separated structures. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 283, 12-16	2.8	14
98	Preparation and Intrinsic Viscosity of Poly-(N-methyl-2-vinylpyridinium chloride) with Narrow Molecular Weight Distributions. <i>Polymer Journal</i> , <b>1990</b> , 22, 1077-1083	2.7	14
97	Preparation and Characterization of Block Copolymers of Ordinary and Deuterated Styrenes. <i>Polymer Journal</i> , <b>1982</b> , 14, 489-493	2.7	14
96	Bicontinuous Double-Diamond Structures Formed in Ternary Blends of AB Diblock Copolymers with Block Chains of Different Lengths. <i>Macromolecules</i> , <b>2019</b> , 52, 6633-6640	5.5	13
95	Structural isomer effects on the morphology of block copolymer/metal salts hybrids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2014</b> , 52, 377-386	2.6	13
94	The theta-temperature depression caused by topological effect in ring polymers studied by Monte Carlo simulation. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 204903	3.9	13
93	Influence of Nonadsorbed Polymer Chains on Rheology of Silica Suspensions. <i>Langmuir</i> , <b>1997</b> , 13, 6339-6341	4.1	13
92	TGIC Separation of PS-b-P2VP Diblock and P2VP-b-PS-b-P2VP Triblock Copolymers According to Chemical Composition. <i>Macromolecules</i> , <b>2005</b> , 38, 3033-3036	5.5	13
91	Conformations of diblock copolymers in dilute solutions. <i>Macromolecules</i> , <b>1988</b> , 21, 2790-2793	5.5	13
90	Frank-Kasper A15 Phase Formed in AB <sub>n</sub> Block-Graft Copolymers with Large Numbers of Graft Chains. <i>Macromolecules</i> , <b>2020</b> , 53, 10217-10224	5.5	12
89	Formation of undulated lamellar structure from ABC block terpolymer blends with different chain lengths. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 194901	3.9	12
88	Monomer sequence of partially hydrolyzed poly(4-tert-butoxystyrene) and morphology of diblock copolymers composing this polymer sequence as one block. <i>Polymer</i> , <b>2011</b> , 52, 164-171	3.9	12

87	Flow-Induced Structure and Viscoelastic Properties of Poly(styrene-block-2-vinylpyridine)s Solutions near the Order-Disorder Transition. <i>Polymer Journal</i> , <b>2005</b> , 37, 894-899	2.7	12
86	Interfacial profiles of miscible poly(4-trimethylsilylstyrene)/polyisoprene bilayer films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 1486-1494	2.6	12
85	Studies on the interfaces of microphase-separated structures of block copolymers by neutron reflectivity. <i>Physica B: Condensed Matter</i> , <b>1995</b> , 213-214, 694-696	2.8	12
84	Chain Conformations of Homopolymers Dissolved in a Microdomain of Diblock Copolymer. <i>Macromolecules</i> , <b>1994</b> , 27, 4566-4569	5.5	12
83	Acidic liquid-swollen polymer membranes exhibiting anhydrous proton conductivity higher than 100 mS cm <sup>-1</sup> at around 100 °C. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15585-15592	13	11
82	Dielectric behavior of Styrene-Isoprene (SI) Diblock and SIIS Triblock Copolymers: Global Dynamics of I Blocks in Spherical and Cylindrical Domains Embedded in Glassy S Matrix. <i>Macromolecules</i> , <b>2012</b> , 45, 7050-7060	5.5	11
81	Pyrolysis Gas Chromatographic Characterization of Block Copolymers of Ordinary and Deuterated Styrenes. <i>Polymer Journal</i> , <b>1982</b> , 14, 495-499	2.7	11
80	Chain conformations of ring polymers under theta conditions studied by Monte Carlo simulation. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 184904	3.9	10
79	Microphase-Separated Structures of Poly(4-tert-butylstyrene-block-4-tert-butoxystyrene) upon Gradual Changes in Segregation Strength through Hydrolysis Reaction. <i>Macromolecules</i> , <b>2011</b> , 44, 2799-2807	5.5	9
78	Direct Observation of an Isolated Cyclic Sodium Poly(styrenesulfonate) Molecule by Atomic Force Microscopy. <i>Polymer Journal</i> , <b>2007</b> , 39, 271-275	2.7	9
77	Neutron Reflection Studies on Lamellar Microphase-Separated Structures of Two-Component Block Copolymers with Composition Distribution. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 709-712	2.8	9
76	Study on the Thermodynamic Interactions between Isotactic Polypropylene and Ethylene-Hexene Random Copolymers by SANS. <i>Macromolecules</i> , <b>2000</b> , 33, 9712-9719	5.5	9
75	Miscibility and crystallization kinetics for the blend of isotactic polypropylene/ethylene-propylene random copolymer. <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 1333-1336	3.9	9
74	Preparation, characterization, and dilute solution properties of four-branched cage-shaped poly(ethylene oxide). <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 2098-2107	2.4	8
73	A new periodic pattern with five-neighbored domain packing from ABC triblock terpolymer/B homopolymer blend. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 907-911	2.6	8
72	Creation and control of new morphologies via supramacromolecular self-assembly. <i>Polymer Journal</i> , <b>2012</b> , 44, 72-82	2.7	8
71	Preparation and characterization of polyisoprenes and polybutadienes having 1,2- and 3,4-linkages preferentially. <i>Polymer</i> , <b>2012</b> , 53, 3354-3359	3.9	8
70	Preparation of Partially Deuterium-labeled Poly(4-trimethylsilylstyrene)s and Unperturbed Dimensions in Bulk. <i>Polymer Journal</i> , <b>2004</b> , 36, 538-541	2.7	8

69	Comparison between Flow-Induced Alignment Behaviors of Poly(styrene-block-2-vinylpyridine)s and Poly(styrene-block-isoprene)s Solutions near ODT. <i>Polymer Journal</i> , <b>2005</b> , 37, 900-905	2.7	8
68	Chain Dimensions of the Mid-Blocks of ABA Triblock Copolymers with Lamellar Structures in Bulk. <i>Macromolecules</i> , <b>1998</b> , 31, 2378-2380	5.5	8
67	Concentration and temperature dependence of molecular motions in polystyrene/tetrahydrofuran solutions. <i>Polymer</i> , <b>1992</b> , 33, 3916-3924	3.9	8
66	Studies on thermal degradation behaviour of anionically copolymerized styrene-divinylbenzene copolymers by high-resolution pyrolysis-gas chromatography. <i>Polymer</i> , <b>1987</b> , 28, 1512-1516	3.9	8
65	Nonclassical Block Copolymer Self-Assembly Resulting from a Constrained Location of Chains and Junctions. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1902007	4.6	7
64	Morphology and domain size of a model graft copolymer. <i>Macromolecular Symposia</i> , <b>1996</b> , 106, 251-257	0.8	7
63	Morphologies and domain sizes of microphase-separated structures of block and graft copolymers of different types. <i>Macromolecular Symposia</i> , <b>1997</b> , 124, 121-133	0.8	7
62	Chain dimension of cyclic polymers in solutions. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 532-534	2.8	7
61	Interfacial structures of triblock copolymers and their chain conformations in bulk. <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 1279-1284	3.9	7
60	Interactions between ring polymers in dilute solution studied by Monte Carlo simulation. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 044904	3.9	6
59	Synthesis and characterization of dumbbell-shaped polystyrene. <i>Polymer</i> , <b>2016</b> , 106, 8-13	3.9	6
58	Phase behavior of poly(4-tert-butylstyrene-stat-4-tert-butoxystyrene)/polyisoprene blends with competitive interactions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2009</b> , 47, 2272-2280	2.6	6
57	Investigation of Miscibility between iPP and PropyleneButene Random Copolymer by Small-Angle Neutron Scattering. <i>Macromolecules</i> , <b>2007</b> , 40, 273-277	5.5	6
56	Zero-Shear Viscosity of Block Copolymers in Semidilute Solutions. <i>Polymer Journal</i> , <b>1991</b> , 23, 227-232	2.7	6
55	Chain conformation of block copolymers in dilute solutions measured by small-angle neutron scattering. <i>Polymer</i> , <b>1992</b> , 33, 2412-2415	3.9	6
54	Improvement in the Compositional Analysis of Block Copolymers of Ordinary and Deuterated Styrenes by High-Resolution Pyrolysis Gas Chromatography. <i>Polymer Journal</i> , <b>1984</b> , 16, 727-729	2.7	6
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52	Transition Pathway between Gyroid and Cylindrical Morphology in Linear Triblock Terpolymer Thin Films. <i>Macromolecules</i> , <b>2019</b> , 52, 6641-6648	5.5	5

51	Molecular Weight Dependence of Viscoelastic Properties for Symmetric Poly(styrene- <i>b</i> -2-vinylpyridine)s in the Nanophase Separated Molten States. <i>Macromolecules</i> , <b>2013</b> , 46, 7097-7105	5.5	5
50	Spontaneous Appearance of Microdomains of Two Components at Poly(4- <i>tert</i> -butylstyrene- <i>block</i> -4- <i>tert</i> -butoxystyrene) Film Surfaces. <i>Macromolecules</i> , <b>2009</b> , 42, 8992-8997	5.5	5
49	Melt rheology of tadpole-shaped polystyrenes with different ring sizes. <i>Soft Matter</i> , <b>2020</b> , 16, 8720-8724	4.6	5
48	Precise synthesis of a series of poly(4- <i>n</i> -alkylstyrene)s and their glass transition temperatures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 757-763	2.6	4
47	A New Cylindrical Structure from ABCBD Pentablock Quadpolymer Melt Studied by Monte Carlo Simulation. <i>Macromolecular Theory and Simulations</i> , <b>2020</b> , 29, 2000029	1.5	4
46	Depth distribution of different solvents in a phase-separated block copolymer thin film. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 272, 012027	0.3	4
45	Hysteresis Behavior in Shear Rate Dependence of First Normal Stress Difference of Diblock Copolymers in Ordered State near Order-Disorder Transition. <i>Polymer Journal</i> , <b>2007</b> , 39, 632-635	2.7	4
44	Temperature Dependence of Surface Segregation in Miscible Polymer Blend of Poly(4-trimethylsilylstyrene)/Polyisoprene. <i>Polymer Journal</i> , <b>2007</b> , 39, 1274-1280	2.7	4
43	Neutron spin echo studies on dynamics of polymeric micelles. <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 1367-1369	3.9	4
42	Chain dimensions of polystyrenes diluted with low molecular weight homologues. <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 1325-1328	3.9	4
41	Viscoelastic Properties of Low Molecular Weight Symmetric Poly(styrene- <i>b</i> -2-vinylpyridine)s in the Ordered and Disordered States under Steady Shear Flow. <i>Nihon Reoroji Gakkaishi</i> , <b>2013</b> , 41, 83-91	0.8	4
40	A Separation Method of Responses from Large Scale Motions and Chain Relaxations for Viscoelastic Properties of Symmetric Poly(styrene- <i>b</i> -2-vinylpyridine)s in the Ordered State. <i>Nihon Reoroji Gakkaishi</i> , <b>2013</b> , 41, 93-99	0.8	4
39	Extremely tough block polymer-based thermoplastic elastomers with strongly associated but dynamically responsive noncovalent cross-links. <i>Polymer</i> , <b>2021</b> , 217, 123419	3.9	4
38	Morphology of symmetric ABCD tetrablock quaterpolymers studied by Monte Carlo simulation. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 194905	3.9	4
37	Preparation and Morphologies of AB <sub>6</sub> Block-Graft Copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2019</b> , 57, 952-960	2.6	3
36	SANS study on chain dimension of polystyrenes diluted with low molecular-weight homologues in semi-dilute solutions. <i>Polymer</i> , <b>2013</b> , 54, 929-934	3.9	3
35	Dynamic viscoelasticity of a series of poly(4- <i>n</i> -alkylstyrene)s and their alkyl chain length dependence. <i>Polymer</i> , <b>2017</b> , 133, 137-142	3.9	3
34	Fluctuation Effects on Viscoelastic Properties of Diblock Copolymer Solutions in Disordered State. <i>Polymer Journal</i> , <b>2007</b> , 39, 509-513	2.7	3

33	Characterization of Cyclic Polystyrene with High Molecular Weight and Its Interdiffusion Behavior. <i>Kobunshi Ronbunshu</i> , <b>2007</b> , 64, 397-405	0	3
32	Advances in nature-guided materials processing. <i>Science and Technology of Advanced Materials</i> , <b>2003</b> , 4, 421-433	7.1	3
31	Preparation and phase behavior of poly(4-trimethylsilylstyrene)-block-polyisoprene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 1214-1219	2.6	3
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29	Dimensions of catenated ring polymers in dilute solution studied by Monte-Carlo simulation. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 204901	3.9	3
28	Preparation and Viscoelasticity of Hydrogen Bonded Supramolecular Ion Gels Composed of ABA Triblock Copolymer and C Homopolymer in an Ionic Liquid. <i>Nihon Reoroji Gakkaishi</i> , <b>2014</b> , 42, 135-141	0.8	2
27	Molecular Design of Block- and Graft Polymers and Their Nanophase-Separated Hierarchical Structures in Condensed Systems. <i>Kobunshi Ronbunshu</i> , <b>2006</b> , 63, 205-218	0	2
26	Annealing Effects on the Elastic Properties of Sphere-Forming ABA and ABC Triblock Copolymers. <i>Nihon Reoroji Gakkaishi</i> , <b>2006</b> , 34, 177-180	0.8	2
25	Viscoelastic Properties of Dumbbell-Shaped Polystyrenes in Bulk and Solution. <i>Macromolecules</i> , <b>2021</b> , 54, 1366-1374	5.5	2
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23	Studies on equilibrium structures of complex polymers in condensed systems <b>2000</b> , 38, 1645		2
22	Alkyl side chain length dependent compatibility of poly(4-n-alkylstyrene)s and 1,4-rich polyisoprene blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 1791-1797	2.6	1
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20	Microphase-separated interface of a two-component triblock copolymer with a lamellar structure. <i>Physica B: Condensed Matter</i> , <b>1998</b> , 248, 284-288	2.8	1
19	Elasticity of Sphere-forming Polystyrene-b-polyisoprene-b-poly(2-vinylpyridine)/Polystyrene-b-polyisoprene/Polyisoprene-b-poly(2-vinylpyridine) blends: The role of Dangling Chains. <i>Polymer Journal</i> , <b>2006</b> , 38, 603-605		1
18	Microdomain spacing of ABB graft copolymers and their chain conformations in bulk. <i>Journal of Physics and Chemistry of Solids</i> , <b>1999</b> , 60, 1329-1332	3.9	1
17	Lamellar microphase-separated structure of ABA triblock copolymers. <i>Physica B: Condensed Matter</i> , <b>1995</b> , 213-214, 697-699	2.8	1
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12	Acidity effects of medium fluids on anhydrous proton conductivity of acid-swollen block polymer electrolyte membranes.. <i>RSC Advances</i> , <b>2021</b> , 11, 19012-19020	3.7	0
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