

# Shinichi Sakurai

## 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.

138  
papers

2,245  
citations

24  
h-index

43  
g-index

146  
ext. papers

2,441  
ext. citations

3.6  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
138	Enhancing the bioactivity of melt electrowritten PLLA scaffold by convenient, green, and effective hydrophilic surface modification.. <i>Materials Science and Engineering C</i> , <b>2022</b> , 112686	8.3	6
137	Melt-Electrowritten Poly(L-lactic acid)- and Bioglass-Reinforced Biomimetic Hydrogel for Bone Regeneration. <i>Materials and Design</i> , <b>2022</b> , 110781	8.1	1
136	Effects of conditions in hot-melt coating process on microphase-separated structures and macroscopic deformation in coated layers composed of di- and triblock copolymer blends. <i>Progress in Organic Coatings</i> , <b>2021</b> , 152, 106115	4.8	2
135	Effect of cellulose nanocrystals derived from <i>Dunaliella tertiolecta</i> marine green algae residue on crystallization behaviour of poly(lactic acid). <i>Carbohydrate Polymers</i> , <b>2021</b> , 261, 117881	10.3	13
134	Stress-Strain and Stress-Relaxation Behaviors of Solution-Coated Layers Composed of Block Copolymers Mixed with Tackifiers. <i>ACS Omega</i> , <b>2021</b> , 6, 17299-17313	3.9	2
133	Ion transfer channel network formed by flower and rod shape crystals of hair hydrolysate in poly(vinyl alcohol) matrix and its application as anion exchange membrane in fuel cells. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 587, 214-228	9.3	2
132	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	4.0	1
131	Regular ordering of spherical microdomains in dewetted monolayer islands induced by thermal annealing of spin-coated ultrathin films of a triblock copolymer. <i>Soft Matter</i> , <b>2021</b> , 17, 7396-7407	3.6	2
130	Relationship Between Formation of Kink Structure and Necking of a Specimen Comprising Hard and Soft Lamellar Microdomains Under Uniaxial Stretching. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2021</b> , 70, 17-24	0.1	1
129	Fabrication and Properties of Electrospun Collagen Tubular Scaffold Crosslinked by Physical and Chemical Treatments. <i>Polymers</i> , <b>2021</b> , 13,	4.5	8
128	Confined crystallization of Poly(ethylene glycol) in spherulites of Poly(L-lactic acid) in a PLLA/PEG blend. <i>Polymer</i> , <b>2021</b> , 215, 123370	3.9	3
127	Phase structure and adhesion properties of acrylic block copolymer/tackifier blends as nanocomposite-like pressure-sensitive adhesives. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51384	2.9	0
126	Enhanced formation of stereocomplex crystallites in Poly(l-lactic acid)/Poly(d-lactic acid) blends by silk fibroin nanodisc. <i>Polymer</i> , <b>2021</b> , 229, 124001	3.9	4
125	Small- and wide-angle X-ray scattering studies on confined crystallization of Poly(ethylene glycol) in Poly(L-lactic acid) spherulite in a PLLA/PEG blend. <i>Polymer</i> , <b>2021</b> , 229, 123971	3.9	5
124	Effect of the 3-Hydroxyhexanoate Content on Melt-Isothermal Crystallization Behavior of Microbial Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Macromolecules</i> , <b>2021</b> , 54, 8738-8750	5.5	2
123	Utilization of microalgae residue and isolated cellulose nanocrystals: A study on crystallization kinetics of poly( $\epsilon$ -caprolactone) bio-composites. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 191, 521-530	7.9	1
122	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

121	Glassy Porphyrin/C Composites: Morphological Engineering of C Fullerene with Liquefied Porphyrins. <i>Langmuir</i> , <b>2020</b> , 36, 13583-13590	4	0
120	Modification of decellularized vascular xenografts with 8-arm polyethylene glycol suppresses macrophage infiltration but maintains graft degradability. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2020</b> , 108, 2005-2014	5.4	8
119	DSC and SWAXS Studies on the Effects of Silk Nanocrystals on Crystallization of Poly(L-Lactic Acid). <i>Materials Horizons</i> , <b>2020</b> , 321-339	0.6	1
118	Effects of drying temperature in solution coating process on the structural changes upon uniaxial stretching of sphere-forming block copolymer films. <i>Polymer Journal</i> , <b>2020</b> , 52, 421-433	2.7	6
117	Effects of Solubility Difference of Tackifier to Respective Components of Block Copolymers on Microphase-Separated Structures in Coated Layers of Pressure-Sensitive Adhesive Prepared by Solution Coating Process. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 4973-4984	4.3	6
116	Extraction and Characterization of Novel Natural Hydroxyapatite Bioceramic by Thermal Decomposition of Waste Ostrich Bone. <i>International Journal of Biomaterials</i> , <b>2020</b> , 2020, 1690178	3.2	11
115	Effects of Loading Amount of Plasticizers on Improved Crystallization of Poly (L-lactic acid). <i>Journal of Fiber Science and Technology</i> , <b>2019</b> , 75, 99-111	0.8	4
114	Changes in Grain Structures Upon Blending of a Homopolymer to a Liquid-Crystalline Diblock Copolymer Which Forms Perpendicularly-Oriented Cylinders. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2019</b> , 68, 26-33	0.1	
113	Structural Evolution in Isothermal Crystallization Process of Poly(L-lactic acid) Enhanced by Silk Fibroin Nano-Disc. <i>Materials</i> , <b>2019</b> , 12,	3.5	9
112	Accelerated crystallization of poly(l-lactic acid) by silk fibroin nanodisc. <i>Polymer Journal</i> , <b>2019</b> , 51, 1173-1180	1.8	11
111	Helical-Ribbon and Tape Formation of Lipid Packaged [Ru(bpy)] Complexes in Organic Media. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	1
110	Effect of Block Length and Stereocomplexation on the Thermally Processable Poly( $\epsilon$ -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
109	Effects of drying temperature in solution coating process on microphase-separated structures in coated layers of pressure-sensitive adhesive composed of di- and triblock copolymer blends as revealed by small-angle X-ray scattering. <i>Polymer</i> , <b>2019</b> , 170, 211-221	3.9	9
108	Effects of a special diluent as an agent of improving the crystallizability of poly(L-lactic acid). <i>Polymer Journal</i> , <b>2019</b> , 51, 283-294	2.7	14
107	Fully Conjugated Porphyrin Glass: Collective Light-Harvesting Antenna for Near-Infrared Fluorescence beyond 1 $\mu$ m. <i>ACS Omega</i> , <b>2018</b> , 3, 4466-4474	3.9	3
106	Grain coarsening on the free surface and in the thickness direction of a sphere-forming triblock copolymer film. <i>Polymer Journal</i> , <b>2018</b> , 50, 1029-1042	2.7	6
105	Self-assembly of [Au(CN) <sub>2</sub> ] <sup>-</sup> Complexes with Tomato ( <i>Solanum lycopersicum</i> ) Steroidal Alkaloid Glycosides to Form Sheet or Tubular Structures. <i>Chemistry Letters</i> , <b>2018</b> , 47, 1010-1013	1.7	3
104	Drastic Change in Orientation of Cylindrical Microdomains Upon Thermal Annealing in Thin Film of Block Copolymer Having Liquid Crystalline Moiety. <i>Macromolecular Symposia</i> , <b>2018</b> , 379, 1600184	0.8	1

103	Structural analyses of sphere- and cylinder-forming triblock copolymer thin films near the free surface by atomic force microscopy, X-ray photoelectron spectroscopy, and grazing-incidence small-angle X-ray scattering. <i>Polymer</i> , <b>2018</b> , 147, 202-212	3.9	8
102	Recent developments in polymer applications of synchrotron small-angle X-ray scattering. <i>Polymer International</i> , <b>2017</b> , 66, 237-249	3.3	21
101	Development of hybrid diblock copolypeptide amphiphile/magnetic metal complexes and their spin crossover with lower-critical-solution-temperature(LCST)-type transition. <i>Polymer</i> , <b>2017</b> , 128, 347-355	3.9	8
100	Strain-Induced Deformation of Glassy Spherical Microdomains in Elastomeric Triblock Copolymer Films: Simultaneous Measurements of a Stress-Strain Curve with 2d-SAXS Patterns. <i>Macromolecules</i> , <b>2017</b> , 50, 677-686	5.5	23
99	Hierarchical structures in poly(lactic acid)/poly(ethylene glycol) blends. <i>European Polymer Journal</i> , <b>2017</b> , 89, 381-398	5.2	12
98	Strain-Induced Deformation of Glassy Spherical Microdomains in Elastomeric Triblock Copolymer Films: Time-Resolved 2d-SAXS Measurements under Stretched State. <i>Macromolecules</i> , <b>2017</b> , 50, 3404-3410	5.5	18
97	Enhanced visible light response of a WO <sub>3</sub> photoelectrode with an immobilized fibrous gold nanoparticle assembly using an amyloid- $\beta$ peptide. <i>RSC Advances</i> , <b>2017</b> , 7, 1089-1092	3.7	2
96	Supramolecular Polymer of Near-Infrared Luminescent Porphyrin Glass. <i>Macromolecules</i> , <b>2017</b> , 50, 3186-3192	3.9	13
95	Coalescence of non-equilibrium spheres through thermal annealing in a polystyrene-block-poly(ethylene-co-butylene)-block-polystyrene triblock copolymer film under a uniaxially stretched state. <i>Polymer Journal</i> , <b>2017</b> , 49, 519-526	2.7	9
94	Morphology Reentry with a Change in Degree of Chain Asymmetry in Neat Asymmetric Linear A1BA2 Triblock Copolymers. <i>Macromolecules</i> , <b>2017</b> , 50, 8647-8657	5.5	17
93	SAXS Evaluation of Size Distribution for Nanoparticles <b>2017</b> ,		3
92	A metal-lustrous porphyrin foil. <i>Chemical Communications</i> , <b>2017</b> , 53, 10703-10706	5.8	10
91	Characterization of the surface morphology and grain growth near the surface of a block copolymer thin film with cylindrical microdomains oriented perpendicular to the surface. <i>Polymer Journal</i> , <b>2017</b> , 49, 655-663	2.7	3
90	Time-resolved 2d-SAXS measurements to reveal mechanism of cylinder orientation upon sphere-to-cylinder transition under a planar flow in an SEBS triblock copolymer sheet. <i>European Polymer Journal</i> , <b>2017</b> , 93, 382-389	5.2	3
89	Versatile Controls of Microdomain Morphologies and Temperature Dependencies in Lamellar Spacing by Blending Diblock Copolymers Bearing Antisymmetric Compositions. <i>ACS Omega</i> , <b>2017</b> , 2, 8580-8590	3.9	1
88	Spontaneous Orientation of the Body-Centered-Cubic Lattice for Spherical Microdomains in a Block Copolymer Thin Film. <i>Kobunshi Ronbunshu</i> , <b>2017</b> , 74, 75-84	0	4
87	Crystallization Behavior of Poly(Ethylene Glycol) Under a Temperature Gradient. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2017</b> , 66, 7-12	0.1	1
86	Influence of high pressure on higher-order structures of poly(oxyethylene) in its blend with poly(D,L-lactide). <i>Polymer Bulletin</i> , <b>2016</b> , 73, 399-408	2.4	8

85	Morphological control of hybrid amphiphilic poly(N-isopropylacrylamide)/metal cyanide complexes. <i>Polymer Journal</i> , <b>2016</b> , 48, 729-739	2.7	5
84	Design of low-crystalline and low-density isobutyl-substituted caged silsesquioxane derivatives by star-shaped architectures linked with short aliphatic chains. <i>Polymer Journal</i> , <b>2016</b> , 48, 281-287	2.7	13
83	Evaluation of Grain Size by Small-Angle X-Ray Scattering for a Block Copolymer Film in Which Cylindrical Microdomains Are Perpendicularly Oriented. <i>Macromolecular Symposia</i> , <b>2016</b> , 366, 35-41	0.8	13
82	Complete and comprehensive orientation of cylindrical microdomains in a block copolymer sheet. <i>Polymer Journal</i> , <b>2016</b> , 48, 1123-1131	2.7	11
81	A Tightly Stretched Ultralong Supramolecular Multiporphyrin Array Propagated by Double-Strand Formation. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 13019-22	4.8	8
80	Simultaneous Time-Resolved SAXS and WAXS Study on Guest Exchange Process of Syndiotactic Polystyrene with Aromatic Compounds: Size and Shape Effects of Target Molecules. <i>Macromolecular Symposia</i> , <b>2016</b> , 359, 63-71	0.8	4
79	Three-dimensional analyses of spherulite morphology in poly(oxyethylene) and its blends with amorphous poly(d,l-lactic acid) using X-ray computerized tomography. <i>Polymer Journal</i> , <b>2015</b> , 47, 37-44	2.7	12
78	Supramolecular control of reverse spin transitions in cobalt(II) terpyridine complexes with diblock copolypeptide amphiphiles. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7779-7783	7.1	24
77	Thermo-Responsive Polypyrrole-Palladium Nanocomposite Particles Synthesized by Aqueous Chemical Oxidative Dispersion Polymerization. <i>Journal of the Adhesion Society of Japan</i> , <b>2015</b> , 51, 255-263	9.1	5
76	Changes in Microphase-Separated Structures and Properties of an Elastomeric Block Copolymer Film upon Uniaxial Stretching as Analyzed by Conducting Simultaneous Measurements of Two-Dimensional Small-Angle X-Ray Scattering with Stress-Strain Tests. <i>Nihon Reoraji Gakkaishi</i> , <b>2015</b> , 43, 77-83	0.8	6
75	Supramolecular Elastomers: Self-Assembling Star Blocks of Soft Polyisobutylene and Hard Oligo(L-alanine) Segments. <i>Macromolecules</i> , <b>2015</b> , 48, 1077-1086	5.5	20
74	Intriguing transmission electron microscopy images observed for perpendicularly oriented cylindrical microdomains of block copolymers. <i>Nanoscale</i> , <b>2014</b> , 6, 10817-23	7.7	7
73	Nanomorphology characterization of sterically stabilized polypyrrole-palladium nanocomposite particles. <i>Polymer Journal</i> , <b>2014</b> , 46, 704-709	2.7	10
72	Role of surfactant on inducing specific microdomains of block copolymer: An example case from polystyrene-b-poly(ethylene-co-1-butene)-b-polystyrene (SEBS) electrospun thermoplastic-elastomer fiber containing polyethylene glycol lauryl ether (PGLE). <i>Polymer</i> , <b>2014</b> , 55, 2668-2676	3.9	6
71	Small-angle X-ray scattering studies on melting and recrystallization behaviors of poly(oxyethylene) crystallites in poly(d,l-lactide)/poly(oxyethylene) blends. <i>Polymer</i> , <b>2014</b> , 55, 2562-2569	3.9	17
70	Multiple Site Occupation of Flexible Polymeric Compounds in Cocrystals of Syndiotactic Polystyrene. <i>Chemistry Letters</i> , <b>2014</b> , 43, 904-906	1.7	5
69	Synthesis of imidazolium salt-terminated poly(amidoamine)-typed POSS-core dendrimers and their solution and bulk properties. <i>Polymer Journal</i> , <b>2014</b> , 46, 42-51	2.7	22
68	Higher-order crystalline structures of poly(oxyethylene) in poly(d,l-lactide)/poly(oxyethylene) blends. <i>Polymer</i> , <b>2013</b> , 54, 4653-4659	3.9	22

67	Perpendicular orientation of sub-10 nm channels in polystyrene-b-poly(4-hydroxyl styrene)/PEG oligomer blend thin films. <i>Nanoscale</i> , <b>2013</b> , 5, 6713-9	7.7	16
66	Depth Profiling of Block Copolymer Nanostructures in Films by Small-Angle X-Ray Scattering Using an X-Ray Microbeam. <i>Macromolecular Symposia</i> , <b>2013</b> , 327, 121-127	0.8	3
65	Simultaneous SAXS and WAXS Study on the Guest Exchange Process of Syndiotactic Polystyrene: Crystalline Complex Formation with Triethylene Glycol Dimethyl Ether. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1893-1900	2.6	6
64	Experimental station for multiscale surface structural analyses of soft-material films at SPring-8 via a GISWAX/GIXD/XR-integrated system. <i>Polymer Journal</i> , <b>2013</b> , 45, 109-116	2.7	44
63	In-situ analysis of the structural formation process of liquid-crystalline epoxy thermosets by simultaneous SAXS/WAXS measurements using synchrotron radiation. <i>Polymer Journal</i> , <b>2013</b> , 45, 43-49	2.7	14
62	Optical resolution of racemic amino acid derivatives with chiral polyamides bearing glutamyl residue as a diacid component. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 857-865	2.9	5
61	Pressure-induced cubic-cubic transition in 1,2-bis(4- <i>n</i> -tetradecyloxybenzoyl)hydrazine. <i>Liquid Crystals</i> , <b>2012</b> , 39, 451-455	2.3	5
60	Contrast matching of an Si substrate with polymer films by anomalous dispersion at the Si K-absorption edge. <i>Journal of Applied Crystallography</i> , <b>2012</b> , 45, 119-121	3.8	7
59	Directing Thermoplastic Elastomer Microdomain Parallel to Fiber Axis: A Model Case of SEBS with Benzoxazine through $\pi$ -stacking. <i>Macromolecules</i> , <b>2011</b> , 44, 9276-9285	5.5	17
58	X-ray Scattering Analyses on Deformation Behaviors of Thermoplastic Elastomers. <i>Nippon Gomu Kyokaishi</i> , <b>2011</b> , 84, 21-28	0	
57	Effects of compatibility between tackifier and polymer on adhesion property and phase structure: Tackifier-added polystyrene-based triblock/diblock copolymer blend system. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 2251-2260	2.9	29
56	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. <i>Polymer Journal</i> , <b>2011</b> , 43, 471-477	1.7	100
55	Effects of Polystyrene Block Content on Morphology and Adhesion Property of Polystyrene Block Copolymer. <i>Journal of Adhesion Science and Technology</i> , <b>2011</b> , 25, 869-881	2	11
54	Existence of microdomain orientation in thermoplastic elastomer through a case study of SEBS electrospun fibers. <i>Polymer</i> , <b>2011</b> , 52, 844-853	3.9	30
53	Spontaneous Enhancement of Packing Regularity of Spherical Microdomains in the Body-Centered Cubic Lattice upon Uniaxial Stretching of Elastomeric Triblock Copolymers. <i>Polymers</i> , <b>2011</b> , 3, 36-50	4.5	9
52	Development of a Horizontal Temperature Gradient Cell for the Optical Microscopic Observation and Its Application for Research Works on Non-Equilibrium Transient Phenomena. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2011</b> , 60, 57-62	0.1	3
51	Small Angle X-ray Scattering Study on Phase Transition Behavior from Crystalline-Amorphous Alternative Lamellar Structure to Gyroid Phase of Semicrystalline Block Copolymer Polybutadiene-block-Poly( $\epsilon$ -caprolactone). <i>Kobunshi Ronbunshu</i> , <b>2010</b> , 67, 521-529	0	2
50	Adhesion property and morphology of styrene triblock/diblock copolymer blends. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	3

49	Ultra small-angle X-ray scattering studies on structural changes in micrometers upon uniaxial stretching of segmented polyurethaneureas. <i>Polymer</i> , <b>2009</b> , 50, 1566-1576	3.9	18
48	Chiral polyamides consisting of N-benzoyl-L-glutamic acid as a diacid component. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 2530-2538	2.5	13
47	Spontaneous Perpendicular Orientation of Cylindrical Microdomains in a Block Copolymer Thick Film. <i>Macromolecules</i> , <b>2009</b> , 42, 2115-2121	5.5	41
46	Small-Angle X-ray Scattering Study on the Tensile Fracture Process of Poly(ethylene terephthalate) Fiber. <i>Macromolecules</i> , <b>2008</b> , 41, 4758-4765	5.5	26
45	Progress in control of microdomain orientation in block copolymers Efficiencies of various external fields. <i>Polymer</i> , <b>2008</b> , 49, 2781-2796	3.9	90
44	Structure Model of a Poly(vinyl alcohol) Film Uniaxially Stretched in Water and the Role of Crystallites on the Stress-Strain Relationship. <i>Macromolecules</i> , <b>2007</b> , 40, 8277-8284	5.5	46
43	SAXS Studies on Structural Changes in a Poly(vinyl alcohol) Film during Uniaxial Stretching in Water. <i>Macromolecules</i> , <b>2006</b> , 39, 2921-2929	5.5	45
42	Structure Variations of High Tenacity Nylon 6 Fiber on Cyclic Temperature Changes. <i>Journal of Textile Engineering</i> , <b>2006</b> , 52, 107-112	0.3	5
41	Crystallization Behavior of Linear Low Density Polyethylene in its Blend with a Rubber Polymer as Revealed by Synchrotron SAXS/WAXS/Hv-SALS Simultaneous Measurements. <i>Nihon Reoraji Gakkaishi</i> , <b>2004</b> , 32, 179-187	0.8	1
40	Crystallization in Microdomains of a Block Copolymer Comprising Semicrystalline Block Observed by Simultaneous Measurement of SAXS and WAXS with H v-SALS or DSC. <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 279-296	1.4	11
39	Dynamic Heterogeneity in Interfacial Region of Microphase-Separated Polystyrene-block-poly(methyl acrylate) Studied by the ESR Spin-Label Technique. <i>Macromolecules</i> , <b>2004</b> , 37, 3707-3716	5.5	13
38	Mechanism of Thermally Induced Morphological Reorganization and Lamellar Orientation from the Herringbone Structure in Cross-Linked Polystyrene-block-polybutadiene-block-polystyrene Triblock Copolymers. <i>Macromolecules</i> , <b>2003</b> , 36, 1930-1939	5.5	24
37	Kinetics and Mechanism of Morphological Transition from Lamella to Cylinder Microdomain in Polystyrene-block-poly(ethylene-co-but-1-ene)- block-polystyrene Triblock Copolymer. <i>Macromolecules</i> , <b>2003</b> , 36, 1685-1693	5.5	52
36	Control of morphologies and mechanical properties in binary blends of elastomeric polystyrene-BLOCK-polybutadiene-BLOCK-polystyrene triblock copolymers. <i>Journal of Macromolecular Science - Physics</i> , <b>2002</b> , 41, 387-395	1.4	4
35	Microphase-separated structure of 1,3-cyclohexadiene/butadiene triblock copolymers and its effect on mechanical and thermal properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2001</b> , 39, 13-22	2.6	30
34	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers. <i>Macromolecular Bioscience</i> , <b>2001</b> , 1, 204-208	5.5	151
33	Collapse of the Ia3d cubic symmetry by uniaxial stretching of a double-gyroid block copolymer. <i>Physical Review E</i> , <b>2001</b> , 63, 061803	2.4	15
32	Synchrotron small angle X-ray scattering from organogels. Part 1. Changes in molecular assemblies of cholesterol gelators during gel-to transition. <i>Perkin Transactions II RSC</i> , <b>2001</b> , 108-112		27

31	Preferential Orientation of Lamellar Microdomains Induced by Uniaxial Stretching of Cross-Linked Polystyrene-block-polybutadiene-block-polystyrene Triblock Copolymer. <i>Macromolecules</i> , <b>2001</b> , 34, 3672-3678 <sup>51</sup>		
30	Improvement of Mechanical and Thermal Properties of Elastomeric Polystyrene-block-poly(ethylene-co-but-1-ene)-block-polystyrene Triblock Copolymer upon Ordering of Spherical Microdomains on BCC Superlattice. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2001</b> , 50, 221-224	0.1	0
29	Structural Analyses on Aggregates of Graft Copolypeptides Containing Tryptophan in Aqueous Media and Efficiency of Drug Release. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2001</b> , 50, 219-224	0.1	
28	Microphase-separated structure of 1,3-cyclohexadiene/butadiene triblock copolymers and its effect on mechanical and thermal properties <b>2001</b> , 39, 13		1
27	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers <b>2001</b> , 1, 204		1
26	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers <b>2001</b> , 1, 204		2
25	Preferential orientation of crystallites spatially confined in lamellar microdomains of polyethylene-block-[atactic poly(propylene)]. <i>Macromolecular Rapid Communications</i> , <b>2000</b> , 21, 1140-1145 <sup>4,8</sup>		3
24	Structure and properties of segmented poly(urethaneurea)s with relatively short hard-segment chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2000</b> , 38, 1716-1728	2.6	19
23	Crystallization Behavior and Structure in Crystalline Block Copolymer and Its Blend with Crystalline Homopolymer.. <i>Journal of Fiber Science and Technology</i> , <b>1999</b> , 55, 533-541	0	1
22	Lattice Disorder and Domain Dissolution Transitions in Polystyrene-block-poly(ethylene-co-but-1-ene)-block-polystyrene Triblock Copolymer Having a Highly Asymmetric Composition. <i>Macromolecules</i> , <b>1999</b> , 32, 6707-6717	5.5	61
21	Solubility of Poly(phenylene ether) to Polystyrene-block-polyethylenebutylene-block-polystyrene Triblock Copolymers. <i>Journal of Fiber Science and Technology</i> , <b>1999</b> , 55, 13-20	0	1
20	Gyroid Structures and Morphological Control in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. <i>Macromolecules</i> , <b>1998</b> , 31, 336-343	5.5	66
19	Thermally induced morphological transition from lamella to gyroid in a binary blend of diblock copolymers. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 4333-4339	3.9	45
18	Phase Separation and Formation of Dissipative Structures in Polystyrene/Polybutadiene Blend Solutions Subjected to a Temperature Gradient.. <i>Journal of Fiber Science and Technology</i> , <b>1998</b> , 54, 491-495 <sup>9,5</sup>		3
17	Morphological Control in Binary Blends of Diblock Copolymers. <i>Journal of Fiber Science and Technology</i> , <b>1998</b> , 54, P396-P400	0	
16	Anomalous Temperature Behavior of Lamellar Microdomain Structures in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. <i>Macromolecules</i> , <b>1997</b> , 30, 7614-7617	5.5	16
15	Effect of Microdomain Structures on Mechanical Properties of Polystyrene-block-Polyethylenebutylene-block-Polystyrene Triblock Copolymer Films. <i>Nihon Reoraji Gakkaishi</i> , <b>1997</b> , 25, 217-220	0.8	1
14	Phase behaviour in binary mixtures of diblock copolymers as analysed by the random phase approximation calculations. <i>Polymer</i> , <b>1997</b> , 38, 4103-4112	3.9	11



13	Researches on Polymer Surfaces: Structure and Dynamics. Non-linear Macroscopic Pattern Formation on Polymer Film Surface.. <i>Hyomen Kagaku</i> , <b>1997</b> , 18, 549-556		1
12	Thermoreversible Cylinder↔Sphere Transition of Polystyrene-block-polyisoprene Diblock Copolymers in Dioctyl Phthalate Solutions. <i>Macromolecules</i> , <b>1996</b> , 29, 740-747	5.5	78
11	Kinetics of morphological transition in Polystyrene↔Block- polybutadiene↔Block-polystyrene triblock copolymer melt. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 8902-8908	3.9	29
10	Morphology transition from cylindrical to lamellar microdomains of block copolymers. <i>Macromolecules</i> , <b>1993</b> , 26, 485-491	5.5	119
9	Thermoreversible morphology transition between spherical and cylindrical microdomains of block copolymers. <i>Macromolecules</i> , <b>1993</b> , 26, 5796-5802	5.5	146
8	Effects of microdomain structures on the molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer. <i>Macromolecules</i> , <b>1993</b> , 26, 3351-3356	5.5	59
7	ESCA Study on Depth Profiling of Cellulose/Poly (vinyl alcohol) Blend Films.. <i>Journal of Fiber Science and Technology</i> , <b>1993</b> , 49, 466-473	0	
6	Molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer with cylindrical microdomains of polystyrene. <i>Polymer</i> , <b>1993</b> , 34, 4837-4840	3.9	26
5	Evaluation of segmental interaction by small-angle x-ray scattering based on the random-phase approximation for asymmetric, polydisperse triblock copolymers. <i>Macromolecules</i> , <b>1992</b> , 25, 2679-2691	5.5	55
4	Structure and molecular orientation of high strength poly(vinyl alcohol) fibers prepared by cross-linking/wet spinning.. <i>Journal of Fiber Science and Technology</i> , <b>1991</b> , 47, 5-10	0	1
3	Melt Behaviour of Block Copolymers127-158		3
2	Differential scanning calorimetry/small-angle X-ray scattering analysis of ultraviolet sensible polypropylene filaments. <i>Textile Reseach Journal</i> ,004051752110533	1.7	1
1	Impact of Strain-Induced Crystallization on Fast Crack Growth in Stretched cis-1,4-Polyisoprene Rubber. <i>ACS Macro Letters</i> ,747-752	6.6	1