Shinichi Sakurai

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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	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers. *Macromolecular Bioscience*, **2001**, 1, 204-208	5.5	151
137	Thermoreversible morphology transition between spherical and cylindrical microdomains of block copolymers. *Macromolecules*, **1993**, 26, 5796-5802	5.5	146
136	Morphology transition from cylindrical to lamellar microdomains of block copolymers. *Macromolecules*, **1993**, 26, 485-491	5.5	119
135	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. *Polymer Journal*, **2011**, 43, 471-477	2.7	100
134	Progress in control of microdomain orientation in block copolymers Efficiencies of various external fields. *Polymer*, **2008**, 49, 2781-2796	3.9	90
133	Thermoreversible CylinderSphere Transition of Polystyrene-block-polyisoprene Diblock Copolymers in Dioctyl Phthalate Solutions. *Macromolecules*, **1996**, 29, 740-747	5.5	78
132	Gyroid Structures and Morphological Control in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. *Macromolecules*, **1998**, 31, 336-343	5.5	66
131	Lattice Disordering and Domain Dissolution Transitions in Polystyrene-block-poly(ethylene-co-but-1-ene)-block-polystyrene Triblock Copolymer Having a Highly Asymmetric Composition. *Macromolecules*, **1999**, 32, 6707-6717	5.5	61
130	Effects of microdomain structures on the molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer. *Macromolecules*, **1993**, 26, 3351-3356	5.5	59
129	Evaluation of segmental interaction by small-angle x-ray scattering based on the random-phase approximation for asymmetric, polydisperse triblock copolymers. *Macromolecules*, **1992**, 25, 2679-2691	5.5	55
128	Kinetics and Mechanism of Morphological Transition from Lamella to Cylinder Microdomain in Polystyrene-block-poly(ethylene-co-but-1-ene)- block-polystyrene Triblock Copolymer. *Macromolecules*, **2003**, 36, 1685-1693	5.5	52
127	Preferential Orientation of Lamellar Microdomains Induced by Uniaxial Stretching of Cross-Linked Polystyrene-block-polybutadiene-block-polystyrene Triblock Copolymer. *Macromolecules*, **2001**, 34, 3672-3678	5.5	51
126	Structure Model of a Poly(vinyl alcohol) Film Uniaxially Stretched in Water and the Role of Crystallites on the StressStrain Relationship. *Macromolecules*, **2007**, 40, 8277-8284	5.5	46
125	SAXS Studies on Structural Changes in a Poly(vinyl alcohol) Film during Uniaxial Stretching in Water. *Macromolecules*, **2006**, 39, 2921-2929	5.5	45
124	Thermally induced morphological transition from lamella to gyroid in a binary blend of diblock copolymers. *Journal of Chemical Physics*, **1998**, 108, 4333-4339	3.9	45
123	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	2.7	44
122	Spontaneous Perpendicular Orientation of Cylindrical Microdomains in a Block Copolymer Thick Film. *Macromolecules*, **2009**, 42, 2115-2121	5.5	41

121	Existence of microdomain orientation in thermoplastic elastomer through a case study of SEBS electrospun fibers. *Polymer*, **2011**, 52, 844-853	3.9	30
120	Microphase-separated structure of 1,3-cyclohexadiene/butadiene triblock copolymers and its effect on mechanical and thermal properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2001**, 39, 13-22	2.6	30
119	Effects of compatibility between tackifier and polymer on adhesion property and phase structure: Tackifier-added polystyrene-based triblock/diblock copolymer blend system. *Journal of Applied Polymer Science*, **2011**, 120, 2251-2260	2.9	29
118	Kinetics of morphological transition in Polystyrene‐block‐ polybutadiene‐block‐polystyrene triblock copolymer melt. *Journal of Chemical Physics*, **1996**, 105, 8902-8908	3.9	29
117	Synchrotron small angle X-ray scattering from organogels. Part 1. Changes in molecular assemblies of cholesterol gelators during gel‐sol transition. *Perkin Transactions II RSC*, **2001**, 108-112		27
116	Small-Angle X-ray Scattering Study on the Tensile Fracture Process of Poly(ethylene terephthalate) Fiber. *Macromolecules*, **2008**, 41, 4758-4765	5.5	26
115	Molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer with cylindrical microdomains of polystyrene. *Polymer*, **1993**, 34, 4837-4840	3.9	26
114	Supramolecular control of reverse spin transitions in cobalt(II) terpyridine complexes with diblock copolypeptide amphiphiles. *Journal of Materials Chemistry C*, **2015**, 3, 7779-7783	7.1	24
113	Mechanism of Thermally Induced Morphological Reorganization and Lamellar Orientation from the Herringbone Structure in Cross-Linked Polystyrene-block-polybutadiene-block-polystyrene Triblock Copolymers. *Macromolecules*, **2003**, 36, 1930-1939	5.5	24
112	Strain-Induced Deformation of Glassy Spherical Microdomains in Elastomeric Triblock Copolymer Films: Simultaneous Measurements of a Stress‐Strain Curve with 2d-SAXS Patterns. *Macromolecules*, **2017**, 50, 677-686	5.5	23
111	Higher-order crystalline structures of poly(oxyethylene) in poly(d,l-lactide)/poly(oxyethylene) blends. *Polymer*, **2013**, 54, 4653-4659	3.9	22
110	Synthesis of imidazolium salt-terminated poly(amidoamine)-typed POSS-core dendrimers and their solution and bulk properties. *Polymer Journal*, **2014**, 46, 42-51	2.7	22
109	Recent developments in polymer applications of synchrotron small-angle X-ray scattering. *Polymer International*, **2017**, 66, 237-249	3.3	21
108	Supramolecular Elastomers: Self-Assembling Star‐Blocks of Soft Polyisobutylene and Hard Oligo(‐alanine) Segments. *Macromolecules*, **2015**, 48, 1077-1086	5.5	20
107	Structure and properties of segmented poly(urethaneurea)s with relatively short hard-segment chains. *Journal of Polymer Science, Part B: Polymer Physics*, **2000**, 38, 1716-1728	2.6	19
106	Strain-Induced Deformation of Glassy Spherical Microdomains in Elastomeric Triblock Copolymer Films: Time-Resolved 2d-SAXS Measurements under Stretched State. *Macromolecules*, **2017**, 50, 3404-3410	5.5	18
105	Ultra small-angle X-ray scattering studies on structural changes in micrometers upon uniaxial stretching of segmented polyurethaneureas. *Polymer*, **2009**, 50, 1566-1576	3.9	18
104	Morphology Reentry with a Change in Degree of Chain Asymmetry in Neat Asymmetric Linear A1BA2 Triblock Copolymers. *Macromolecules*, **2017**, 50, 8647-8657	5.5	17

103	Small-angle X-ray scattering studies on melting and recrystallization behaviors of poly(oxyethylene) crystallites in poly(d,l-lactide)/poly(oxyethylene) blends. *Polymer*, **2014**, 55, 2562-2569	3.9	17
102	Directing Thermoplastic Elastomer Microdomain Parallel to Fiber Axis: A Model Case of SEBS with Benzoxazine through π Stacking. *Macromolecules*, **2011**, 44, 9276-9285	5.5	17
101	Perpendicular orientation of sub-10 nm channels in polystyrene-b-poly(4-hydroxyl styrene)/PEG oligomer blend thin films. *Nanoscale*, **2013**, 5, 6713-9	7.7	16
100	Anomalous Temperature Behavior of Lamellar Microdomain Structures in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. *Macromolecules*, **1997**, 30, 7614-7617	5.5	16
99	Collapse of the Ia3d cubic symmetry by uniaxial stretching of a double-gyroid block copolymer. *Physical Review E*, **2001**, 63, 061803	2.4	15
98	In-situ analysis of the structural formation process of liquid crystalline epoxy thermosets by simultaneous SAXS/WAXS measurements using synchrotron radiation. *Polymer Journal*, **2013**, 45, 43-49	2.7	14
97	Effects of a special diluent as an agent of improving the crystallizability of poly(L-lactic acid). *Polymer Journal*, **2019**, 51, 283-294	2.7	14
96	Supramolecular Polymer of Near-Infrared Luminescent Porphyrin Glass. *Macromolecules*, **2017**, 50, 3186-3192	5.5	13
95	Design of low-crystalline and low-density isobutyl-substituted caged silsesquioxane derivatives by star-shaped architectures linked with short aliphatic chains. *Polymer Journal*, **2016**, 48, 281-287	2.7	13
94	Chiral polyamides consisting of N-benzoyl-L-glutamic acid as a diacid component. *Journal of Polymer Science Part A*, **2009**, 47, 2530-2538	2.5	13
93	Dynamic Heterogeneity in Interfacial Region of Microphase-Separated Polystyrene-block-poly(methyl acrylate) Studied by the ESR Spin-Label Technique. *Macromolecules*, **2004**, 37, 3707-3716	5.5	13
92	Effect of cellulose nanocrystals derived from Dunaliella tertiolecta marine green algae residue on crystallization behaviour of poly(lactic acid). *Carbohydrate Polymers*, **2021**, 261, 117881	10.3	13
91	Evaluation of Grain Size by Small-Angle X-Ray Scattering for a Block Copolymer Film in Which Cylindrical Microdomains Are Perpendicularly Oriented. *Macromolecular Symposia*, **2016**, 366, 35-41	0.8	13
90	Hierarchical structures in poly(lactic acid)/poly(ethylene glycol) blends. *European Polymer Journal*, **2017**, 89, 381-398	5.2	12
89	Three-dimensional analyses of spherulite morphology in poly(oxyethylene) and its blends with amorphous poly(d,l-lactic acid) using X-ray computerized tomography. *Polymer Journal*, **2015**, 47, 37-44	2.7	12
88	Accelerated crystallization of poly(l-lactic acid) by silk fibroin nanodisc. *Polymer Journal*, **2019**, 51, 1173-1180	2.7	11
87	Effects of Polystyrene Block Content on Morphology and Adhesion Property of Polystyrene Block Copolymer. *Journal of Adhesion Science and Technology*, **2011**, 25, 869-881	2	11
86	Phase behaviour in binary mixtures of diblock copolymers as analysed by the random phase approximation calculations. *Polymer*, **1997**, 38, 4103-4112	3.9	11

85	Crystallization in Microdomains of a Block Copolymer Comprising Semicrystalline Block Observed by Simultaneous Measurement of SAXS and WAXS with H v-SALS or DSC. *Journal of Macromolecular Science - Physics*, **2004**, 43, 279-296	1.4	11
84	Extraction and Characterization of Novel Natural Hydroxyapatite Bioceramic by Thermal Decomposition of Waste Ostrich Bone. *International Journal of Biomaterials*, **2020**, 2020, 1690178	3.2	11
83	Complete and comprehensive orientation of cylindrical microdomains in a block copolymer sheet. *Polymer Journal*, **2016**, 48, 1123-1131	2.7	11
82	Nanomorphology characterization of sterically stabilized polypyrrole-palladium nanocomposite particles. *Polymer Journal*, **2014**, 46, 704-709	2.7	10
81	A metal-lustrous porphyrin foil. *Chemical Communications*, **2017**, 53, 10703-10706	5.8	10
80	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. *Polymer Journal*, **2017**, 49, 519-526	2.7	9
79	Structural Evolution in Isothermal Crystallization Process of Poly(L-lactic acid) Enhanced by Silk Fibroin Nano-Disc. *Materials*, **2019**, 12,	3.5	9
78	Spontaneous Enhancement of Packing Regularity of Spherical Microdomains in the Body-Centered Cubic Lattice upon Uniaxial Stretching of Elastomeric Triblock Copolymers. *Polymers*, **2011**, 3, 36-50	4.5	9
77	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. *Polymer*, **2019**, 170, 211-221	3.9	9
76	Development of hybrid diblock copolypeptide amphiphile/magnetic metal complexes and their spin crossover with lower-critical-solution-temperature(LCST)-type transition. *Polymer*, **2017**, 128, 347-355	3.9	8
75	Modification of decellularized vascular xenografts with 8-arm polyethylene glycol suppresses macrophage infiltration but maintains graft degradability. *Journal of Biomedical Materials Research - Part A*, **2020**, 108, 2005-2014	5.4	8
74	Influence of high pressure on higher-order structures of poly(oxyethylene) in its blend with poly(d,l-lactide). *Polymer Bulletin*, **2016**, 73, 399-408	2.4	8
73	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. *Polymer*, **2018**, 147, 202-212	3.9	8
72	A Tightly Stretched Ultralong Supramolecular Multiporphyrin Array Propagated by Double-Strand Formation. *Chemistry - A European Journal*, **2016**, 22, 13019-22	4.8	8
71	Fabrication and Properties of Electrospun Collagen Tubular Scaffold Crosslinked by Physical and Chemical Treatments. *Polymers*, **2021**, 13,	4.5	8
70	Intriguing transmission electron microscopy images observed for perpendicularly oriented cylindrical microdomains of block copolymers. *Nanoscale*, **2014**, 6, 10817-23	7.7	7
69	Contrast matching of an Si substrate with polymer films by anomalous dispersion at the SiKabsorption edge. *Journal of Applied Crystallography*, **2012**, 45, 119-121	3.8	7
68	Grain coarsening on the free surface and in the thickness direction of a sphere-forming triblock copolymer film. *Polymer Journal*, **2018**, 50, 1029-1042	2.7	6

67	Effect of Block Length and Stereocomplexation on the Thermally Processable Poly(ε-caprolactone) and Poly(Lactic acid) Block Copolymers for Biomedical Applications. *ACS Applied Polymer Materials*, **2019**, 1, 3354-3365	4.3	6
66	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). *Polymer*, **2014**,	3.9	6
65	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. *Nihon Reoroji Gakkaishi*, **2015**, 43, 77-83	0.8	6
64	Simultaneous SAXS and WAXS Study on the Guest Exchange Process of Syndiotactic Polystyrene: Crystalline Complex Formation with Triethylene Glycol Dimethyl Ether. *Macromolecular Chemistry and Physics*, **2013**, 214, 1893-1900	2.6	6
63	Enhancing the bioactivity of melt electrowritten PLLA scaffold by convenient, green, and effective hydrophilic surface modification.. *Materials Science and Engineering C*, **2022**, 112686	8.3	6
62	Effects of drying temperature in solution coating process on the structural changes upon uniaxial stretching of sphere-forming block copolymer films. *Polymer Journal*, **2020**, 52, 421-433	2.7	6
61	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. *ACS Applied Polymer Materials*, **2020**, 2, 4973-4984	4.3	6
60	Morphological control of hybrid amphiphilic poly(N-isopropylacrylamide)/metal cyanide complexes. *Polymer Journal*, **2016**, 48, 729-739	2.7	5
59	Multiple Site Occupation of Flexible Polymeric Compounds in Cocrystals of Syndiotactic Polystyrene. *Chemistry Letters*, **2014**, 43, 904-906	1.7	5
58	Optical resolution of racemic amino acid derivatives with chiral polyamides bearing glutamyl residue as a diacid component. *Journal of Applied Polymer Science*, **2012**, 123, 857-865	2.9	5
57	Thermo-Responsive Polypyrrole-Palladium NanocompositeParticles Synthesized by Aqueous Chemical OxidativeDispersion Polymerization. *Journal of the Adhesion Society of Japan*, **2015**, 51, 255-263	0.1	5
56	Pressure-induced cubic–cubic transition in 1,2-bis(4′-n-tetradecyloxybenzoyl)hydrazine. *Liquid Crystals*, **2012**, 39, 451-455	2.3	5
55	Structure Variations of High Tenacity Nylon 6 Fiber on Cyclic Temperature Changes. *Journal of Textile Engineering*, **2006**, 52, 107-112	0.3	5
54	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. *Polymer*, **2021**, 229, 123971	3.9	5
53	Effects of Loading Amount of Plasticizers on Improved Crystallization of Poly (L-lactic acid). *Journal of Fiber Science and Technology*, **2019**, 75, 99-111	0.8	4
52	Control of morphologies and mechanical properties in binary blends of elastomeric polystyrene-BLOCK-polybutadiene-BLOCK-polystyrene triblock copolymers. *Journal of Macromolecular Science - Physics*, **2002**, 41, 387-395	1.4	4
51	Spontaneous Orientation of the Body-Centered-Cubic Lattice for Spherical Microdomains in a Block Copolymer Thin Film. *Kobunshi Ronbunshu*, **2017**, 74, 75-84	0	4
50	Simultaneous Time-Resolved SAXS and WAXS Study on Guest Exchange Process of Syndiotactic Polystyrene with Aromatic Compounds: Size and Shape Effects of Target Molecules. *Macromolecular Symposia*, **2016**, 359, 63-71	0.8	4

49	Enhanced formation of stereocomplex crystallites in Poly(l-lactic acid)/Poly(d-lactic acid) blends by silk fibroin nanodisc. *Polymer*, **2021**, 229, 124001	3.9	4
48	SAXS Evaluation of Size Distribution for Nanoparticles **2017**,		3
47	Fully Conjugated Porphyrin Glass: Collective Light-Harvesting Antenna for Near-Infrared Fluorescence beyond 1 μm. *ACS Omega*, **2018**, 3, 4466-4474	3.9	3
46	Self-assembly of [Au(CN)2]− Complexes with Tomato (Solanum lycopersicum) Steroidal Alkaloid Glycosides to Form Sheet or Tubular Structures. *Chemistry Letters*, **2018**, 47, 1010-1013	1.7	3
45	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. *Polymer Journal*, **2017**, 49, 655-663	2.7	3
44	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. *European Polymer Journal*, **2017**, 93, 382-389	5.2	3
43	Depth Profiling of Block Copolymer Nanostructures in Films by Small-Angle X-Ray Scattering Using an X-Ray Microbeam. *Macromolecular Symposia*, **2013**, 327, 121-127	0.8	3
42	Adhesion property and morphology of styrene triblock/diblock copolymer blends. *Journal of Applied Polymer Science*, **2010**, 118, n/a-n/a	2.9	3
41	Melt Behaviour of Block Copolymers127-158		3
40	Preferential orientation of crystallites spatially confined in lamellar microdomains of polyethylene-block-[atactic poly(propylene)]. *Macromolecular Rapid Communications*, **2000**, 21, 1140-1145	4.8	3
39	Phase Separation and Formation of Dissipative Structures in Polystyrene/Polybutadiene Blend Solutions Subjected to a Temperature Gradient.. *Journal of Fiber Science and Technology*, **1998**, 54, 491-495	0	3
38	Development of a Horizontal Temperature Gradient Cell for the Optical Microscopic Observation and Its Application for Research Works on Non-Equilibrium Transient Phenomena. *Zairyo/Journal of the Society of Materials Science, Japan*, **2011**, 60, 57-62	0.1	3
37	Confined crystallization of Poly(ethylene glycol) in spherulites of Poly(L-lactic acid) in a PLLA/PEG blend. *Polymer*, **2021**, 215, 123370	3.9	3
36	Enhanced visible light response of a WO3 photoelectrode with an immobilized fibrous gold nanoparticle assembly using an amyloid-β peptide. *RSC Advances*, **2017**, 7, 1089-1092	3.7	2
35	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(ε-caprolactone). *Kobunshi Ronbunshu*, **2010**, 67, 521-529	0	2
34	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. *Progress in Organic Coatings*, **2021**, 152, 106115	4.8	2
33	Stress-Strain and Stress-Relaxation Behaviors of Solution-Coated Layers Composed of Block Copolymers Mixed with Tackifiers. *ACS Omega*, **2021**, 6, 17299-17313	3.9	2
32	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. *Journal of Colloid and Interface Science*, **2021**, 587, 214-228	9.3	2

31	Regular ordering of spherical microdomains in dewetted monolayer islands induced by thermal annealing of spin-coated ultrathin films of a triblock copolymer. *Soft Matter*, **2021**, 17, 7396-7407	3.6	2
30	Effect of the 3-Hydroxyhexanoate Content on Melt-Isothermal Crystallization Behavior of Microbial Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). *Macromolecules*, **2021**, 54, 8738-8750	5.5	2
29	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers **2001**, 1, 204		2
28	Drastic Change in Orientation of Cylindrical Microdomains Upon Thermal Annealing in Thin Film of Block Copolymer Having Liquid Crystalline Moiety. *Macromolecular Symposia*, **2018**, 379, 1600184	0.8	1
27	Helical-Ribbon and Tape Formation of Lipid Packaged [Ru(bpy)] Complexes in Organic Media. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	1
26	Versatile Controls of Microdomain Morphologies and Temperature Dependencies in Lamellar Spacing by Blending Diblock Copolymers Bearing Antisymmetric Compositions. *ACS Omega*, **2017**, 2, 8580-8590	3.9	1
25	Effect of Microdomain Structures on Mechanical Properties of Polystyrene-block-Polyethylenebutylene-block-Polystyrene Triblock Copolymer Films. *Nihon Reoroji Gakkaishi*, **1997**, 25, 217-220	0.8	1
24	Crystallization Behavior of Linear Low Density Polyethylene in its Blend with a Rubber Polymer as Revealed by Synchrotron SAXS/WAXS/Hv-SALS Simultaneous Measurements. *Nihon Reoroji Gakkaishi*, **2004**, 32, 179-187	0.8	1
23	Crystallization Behavior and Structure in Crystalline Block Copolymer and Its Blend with Crystalline Homopolymer.. *Journal of Fiber Science and Technology*, **1999**, 55, 533-541	0	1
22	Researches on Polymer Surfaces: Structure and Dynamics. Non-linear Macroscopic Pattern Formation on Polymer Film Surface.. *Hyomen Kagaku*, **1997**, 18, 549-556		1
21	Structure and molecular orientation of high strength poly(vinyl alcohol) fibers prepared by cross-linking/wet spinning.. *Journal of Fiber Science and Technology*, **1991**, 47, 5-10	0	1
20	Solubility of Poly (phenylene ether) to Polystyrene-block-polyethylenebutylene-block-polystyrene Triblock Copolymers. *Journal of Fiber Science and Technology*, **1999**, 55, 13-20	0	1
19	Crystallization Behavior of Poly(Ethylene Glycol) Under a Temperature Gradient. *Zairyo/Journal of the Society of Materials Science, Japan*, **2017**, 66, 7-12	0.1	1
18	Differential scanning calorimetry/small-angle X-ray scattering analysis of ultraviolet sensible polypropylene filaments. *Textile Reseach Journal*,004051752110533	1.7	1
17	DSC and SWAXS Studies on the Effects of Silk Nanocrystals on Crystallization of Poly(l-Lactic Acid). *Materials Horizons*, **2020**, 321-339	0.6	1
16	Toughened PLA-b-PCL-b-PLA triblock copolymer based biomaterials: effect of self-assembled nanostructure and stereocomplexation on the mechanical properties. *Polymer Chemistry*, **2021**, 12, 3806-3824	4.8	1
15	Relationship Between Formation of Kink Structure and Necking of a Specimen Comprising Hard and Soft Lamellar Microdomains Under Uniaxial Stretching. *Zairyo/Journal of the Society of Materials Science, Japan*, **2021**, 70, 17-24	0.1	1
14	Utilization of microalgae residue and isolated cellulose nanocrystals: A study on crystallization kinetics of poly(e-caprolactone) bio-composites. *International Journal of Biological Macromolecules*, **2021**, 191, 521-530	7.9	1

13	Microphase-separated structure of 1,3-cyclohexadiene/butadiene triblock copolymers and its effect on mechanical and thermal properties **2001**, 39, 13		1
12	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers **2001**, 1, 204		1
11	Melt-Electrowritten Poly(L-lactic acid)- and Bioglass-Reinforced Biomimetic Hydrogel for Bone Regeneration. *Materials and Design*, **2022**, 110781	8.1	1
10	Impact of Strain-Induced Crystallization on Fast Crack Growth in Stretched cis-1,4-Polyisoprene Rubber. *ACS Macro Letters*,747-752	6.6	1
9	Glassy Porphyrin/C Composites: Morphological Engineering of C Fullerene with Liquefied Porphyrins. *Langmuir*, **2020**, 36, 13583-13590	4	0
8	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. *Zairyo/Journal of the Society of Materials Science, Japan*, **2001**, 50, 234-238	0.1	0
7	Phase structure and adhesion properties of acrylic block copolymer/tackifier blends as nanocomposite-like pressure-sensitive adhesives. *Journal of Applied Polymer Science*, **2021**, 138, 51384	2.9	0
6	Valorization of a CO 2 -Derived Lactone by Acyclic Diene Metathesis Polymerization. *ChemistrySelect*, **2021**, 6, 13947-13954	1.8	0
5	Changes in Grain Structures Upon Blending of a Homopolymer to a Liquid-Crystalline Diblock Copolymer Which Forms Perpendicularly-Oriented Cylinders. *Zairyo/Journal of the Society of Materials Science, Japan*, **2019**, 68, 26-33	0.1	
4	X-ray Scattering Analyses on Deformation Behaviors of Thermoplastic Elastomers. *Nippon Gomu Kyokaishi*, **2011**, 84, 21-28	0	
3	ESCA Study on Depth Profiling of Cellulose/Poly (vinyl alcohol) Blend Films.. *Journal of Fiber Science and Technology*, **1993**, 49, 466-473	0	
2	Structural Analyses on Aggregates of Graft Copolypeptides Containing Tryptophan in Aqueous Media and Efficiency of Drug Release. *Zairyo/Journal of the Society of Materials Science, Japan*, **2001**, 50, 219-224	0.1	
1	Morphological Control in Binary Blends of Diblock Copolymers. *Journal of Fiber Science and Technology*, **1998**, 54, P396-P400	0	