Shinichi Sakurai

List of Publications by Year
in descending order

146 papers	2,720 citations	201674 27 h-index	223800 46 g-index
146 all docs	146 docs citations	146 times ranked	2078 citing authors

#	Article	IF	Citations
1	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.	4.1	165
2	Thermoreversible morphology transition between spherical and cylindrical microdomains of block copolymers. Macromolecules, 1993, 26, 5796-5802.	4.8	156
3	Morphology transition from cylindrical to lamellar microdomains of block copolymers. Macromolecules, 1993, 26, 485-491.	4.8	132
4	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. Polymer Journal, 2011, 43, 471-477.	2.7	112
5	Progress in control of microdomain orientation in block copolymers â€“ Efficiencies of various external fields. Polymer, 2008, 49, 2781-2796.	3.8	95
6	Thermoreversible Cylinderâˆ’Sphere Transition of Polystyrene-block-polyisoprene Diblock Copolymers in Dioctyl Phthalate Solutions. Macromolecules, 1996, 29, 740-747.	4.8	88
7	Effects of microdomain structures on the molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer. Macromolecules, 1993, 26, 3351-3356.	4.8	73
8	Gyroid Structures and Morphological Control in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. Macromolecules, 1998, 31, 336-343.	4.8	73
9	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.	4.8	68
10	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.	4.8	61
11	Preferential Orientation of Lamellar Microdomains Induced by Uniaxial Stretching of Cross-Linked Polystyrene-block-polybutadiene-block-polystyrene Triblock Copolymer. Macromolecules, 2001, 34, 3672-3678.	4.8	57
12	Thermally induced morphological transition from lamella to gyroid in a binary blend of diblock copolymers. Journal of Chemical Physics, 1998, 108, 4333-4339.	3.0	54
13	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.	4.8	53
14	SAXS Studies on Structural Changes in a Poly(vinyl alcohol) Film during Uniaxial Stretching in Water. Macromolecules, 2006, 39, 2921-2929.	4.8	53
15	Structure Model of a Poly(vinyl alcohol) Film Uniaxially Stretched in Water and the Role of Crystallites on the Stressâˆ’Strain Relationship. Macromolecules, 2007, 40, 8277-8284.	4.8	53
16	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	51
17	Spontaneous Perpendicular Orientation of Cylindrical Microdomains in a Block Copolymer Thick Film. Macromolecules, 2009, 42, 2115-2121.	4.8	42
18	Kinetics of morphological transition in Polystyreneâ€“blockâ€•polybutadieneâ€“blockâ€polystyrene triblock copolymer melt. Journal of Chemical Physics, 1996, 105, 8902-8908.	3.0	37

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19	Synchrotron small angle X-ray scattering from organogels. Part 1. Changes in molecular assemblies of cholesterol gelators during gelâ€“sol transition. Perkin Transactions II RSC, 2001, , 108-112.	1.1	33
20	Effects of compatibility between tackifier and polymer on adhesion property and phase structure: Tackifierâ€added polystyreneâ€based triblock/diblock copolymer blend system. Journal of Applied Polymer Science, 2011, 120, 2251-2260.	2.6	32
21	Existence of microdomain orientation in thermoplastic elastomer through a case study of SEBS electrospun fibers. Polymer, 2011, 52, 844-853.	3.8	32
22	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.	2.1	31
23	Strain-Induced Deformation of Glassy Spherical Microdomains in Elastomeric Triblock Copolymer Films: Simultaneous Measurements of a Stressâ€“Strain Curve with 2d-SAXS Patterns. Macromolecules, 2017, 50, 677-686.	4.8	31
24	Effect of cellulose nanocrystals derived from Dunaliella tertiolecta marine green algae residue on crystallization behaviour of poly(lactic acid). Carbohydrate Polymers, 2021, 261, 117881.	10.2	31
25	Molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer with cylindrical microdomains of polystyrene. Polymer, 1993, 34, 4837-4840.	3.8	30
26	Extraction and Characterization of Novel Natural Hydroxyapatite Bioceramic by Thermal Decomposition of Waste Ostrich Bone. International Journal of Biomaterials, 2020, 2020, 1-10.	2.4	30
27	Small-Angle X-ray Scattering Study on the Tensile Fracture Process of Poly(ethylene terephthalate) Fiber. Macromolecules, 2008, 41, 4758-4765.	4.8	29
28	Recent developments in polymer applications of synchrotron smallâ€angle Xâ€ray scattering. Polymer International, 2017, 66, 237-249.	3.1	28
29	Supramolecular control of reverse spin transitions in cobalt(<scp>ii</scp>) terpyridine complexes with diblock copolypeptide amphiphiles. Journal of Materials Chemistry C, 2015, 3, 7779-7783.	5.5	27
30	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.	4.8	26
31	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	24
32	Higher-order crystalline structures of poly(oxyethylene) in poly(d,l-lactide)/poly(oxyethylene) blends. Polymer, 2013, 54, 4653-4659.	3.8	23
33	Supramolecular Elastomers: Self-Assembling Starâ€“Blocks of Soft Polyisobutylene and Hard Oligo(Î²-alanine) Segments. Macromolecules, 2015, 48, 1077-1086.	4.8	23
34	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.	4.8	22
35	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.	3.9	22
36	Ultra small-angle X-ray scattering studies on structural changes in micrometers upon uniaxial stretching of segmented polyurethaneureas. Polymer, 2009, 50, 1566-1576.	3.8	20

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37	Enhancing the bioactivity of melt electrowritten PLLA scaffold by convenient, green, and effective hydrophilic surface modification. Materials Science and Engineering C, 2022, 135, 112686.	7.3	20
38	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.	2.1	19
39	Directing Thermoplastic Elastomer Microdomain Parallel to Fiber Axis: A Model Case of SEBS with Benzoxazine through Ï€â€“Ï€ Stacking. Macromolecules, 2011, 44, 9276-9285.	4.8	19
40	Small-angle X-ray scattering studies on melting and recrystallization behaviors of poly(oxyethylene) crystallites in poly(, -lactide)/poly(oxyethylene) blends. Polymer, 2014, 55, 2562-2569.	3.8	19
41	Anomalous Temperature Behavior of Lamellar Microdomain Structures in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. Macromolecules, 1997, 30, 7614-7617.	4.8	18
42	In-situ analysis of the structural formation process of liquidâ€“crystalline epoxy thermosets by simultaneous SAXS/WAXS measurements using synchrotron radiation. Polymer Journal, 2013, 45, 43-49.	2.7	18
43	Collapse of theIa3Â¯dcubic symmetry by uniaxial stretching of a double-gyroid block copolymer. Physical Review E, 2001, 63, 061803.	2.1	17
44	Perpendicular orientation of sub-10 nm channels in polystyrene-b-poly(4-hydroxyl styrene)/PEG oligomer blend thin films. Nanoscale, 2013, 5, 6713.	5.6	17
45	Morphology Reentry with a Change in Degree of Chain Asymmetry in Neat Asymmetric Linear A₁BA₂ Triblock Copolymers. Macromolecules, 2017, 50, 8647-8657.	4.8	17
46	Effect of Block Length and Stereocomplexation on the Thermally Processable Poly(Îµ-caprolactone) and Poly(Lactic acid) Block Copolymers for Biomedical Applications. ACS Applied Polymer Materials, 2019, 1, 3354-3365.	4.4	17
47	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	17
48	Enhanced formation of stereocomplex crystallites in Poly(l-lactic acid)/Poly(d-lactic acid) blends by silk fibroin nanodisc. Polymer, 2021, 229, 124001.	3.8	17
49	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	16
50	Supramolecular Polymer of Near-Infrared Luminescent Porphyrin Glass. Macromolecules, 2017, 50, 3186-3192.	4.8	16
51	A metal-lustrous porphyrin foil. Chemical Communications, 2017, 53, 10703-10706.	4.1	16
52	Phase behaviour in binary mixtures of diblock copolymers as analysed by the random phase approximation calculations. Polymer, 1997, 38, 4103-4112.	3.8	15
53	Chiral polyamides consisting of Nâ€Î±â€benzoylâ€<scp>L</scp>â€glutamic acid as a diacid component. Journal of Polymer Science Part A, 2009, 47, 2530-2538.	2.3	15
54	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	15

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55	Evaluation of Grain Size by Smallâ€Angle Xâ€Ray Scattering for a Block Copolymer Film in Which Cylindrical Microdomains Are Perpendicularly Oriented. Macromolecular Symposia, 2016, 366, 35-41.	0.7	15
56	Accelerated crystallization of poly(l-lactic acid) by silk fibroin nanodisc. Polymer Journal, 2019, 51, 1173-1180.	2.7	15
57	Confined crystallization of Poly(ethylene glycol) in spherulites of Poly(L-lactic acid) in a PLLA/PEG blend. Polymer, 2021, 215, 123370.	3.8	15
58	Dynamic Heterogeneity in Interfacial Region of Microphase-Separated Polystyrene-block-poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.8	14
59	Hierarchical structures in poly(lactic acid)/poly(ethylene glycol) blends. European Polymer Journal, 2017, 89, 381-398.	5.4	14
60	Crystallization in Microdomains of a Block Copolymer Comprising Semicrystalline Block Observed by Simultaneous Measurement of SAXS and WAXS withHvâ€SALS or DSC. Journal of Macromolecular Science - Physics, 2004, 43, 279-296.	1.0	13
61	Nanomorphology characterization of sterically stabilized polypyrrole-palladium nanocomposite particles. Polymer Journal, 2014, 46, 704-709.	2.7	13
62	Structural Evolution in Isothermal Crystallization Process of Poly(L-lactic acid) Enhanced by Silk Fibroin Nano-Disc. Materials, 2019, 12, 1872.	2.9	13
63	Fabrication and Properties of Electrospun Collagen Tubular Scaffold Crosslinked by Physical and Chemical Treatments. Polymers, 2021, 13, 755.	4.5	13
64	Effects of Polystyrene Block Content on Morphology and Adhesion Property of Polystyrene Block Copolymer. Journal of Adhesion Science and Technology, 2011, 25, 869-881.	2.6	12
65	Melt-Electrowritten Poly(L-lactic acid)- and Bioglass-Reinforced biomimetic hydrogel for bone regeneration. Materials and Design, 2022, 219, 110781.	7.0	12
66	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	11
67	Complete and comprehensive orientation of cylindrical microdomains in a block copolymer sheet. Polymer Journal, 2016, 48, 1123-1131.	2.7	11
68	A Tightly Stretched Ultralong Supramolecular Multiporphyrin Array Propagated by Doubleâ€Strand Formation. Chemistry - A European Journal, 2016, 22, 13019-13022.	3.3	11
69	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.	3.8	11
70	Modification of decellularized vascular xenografts with 8â€arm polyethylene glycol suppresses macrophage infiltration but maintains graft degradability. Journal of Biomedical Materials Research - Part A, 2020, 108, 2005-2014.	4.0	11
71	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.	3.8	11
72	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.	3.8	10

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73	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.	3.8	10
74	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.	4.4	10
75	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.	3.3	9
76	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
77	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.	2.2	8
78	Intriguing transmission electron microscopy images observed for perpendicularly oriented cylindrical microdomains of block copolymers. Nanoscale, 2014, 6, 10817-10823.	5.6	8
79	Thermo-Responsive Polypyrrole-Palladium NanocompositeParticles Synthesized by Aqueous Chemical OxidativeDispersion Polymerization. Journal of the Adhesion Society of Japan, 2015, 51, 255-263.	0.0	8
80	Utilization of microalgae residue and isolated cellulose nanocrystals: A study on crystallization kinetics of poly(É›-caprolactone) bio-composites. International Journal of Biological Macromolecules, 2021, 191, 521-530.	7.5	8
81	Impact of Strain-Induced Crystallization on Fast Crack Growth in Stretched cis-1,4-Polyisoprene Rubber. ACS Macro Letters, 2022, 11, 747-752.	4.8	8
82	Adhesion property and morphology of styrene triblock/diblock copolymer blends. Journal of Applied Polymer Science, 2010, 118, 1766-1773.	2.6	7
83	Contrast matching of an Si substrate with polymer films by anomalous dispersion at the SiKabsorption edge. Journal of Applied Crystallography, 2012, 45, 119-121.	4.5	7
84	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, 55, 2068-2076.	3.8	7
85	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	7
86	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	7
87	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.	9.4	7
88	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.	1.0	6
89	Pressure-induced cubicâ€"cubic transition in 1,2-bis(4'-n-tetradecyloxybenzoyl)hydrazine. Liquid Crystals, 2012, 39, 451-455.	2.2	6
90	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.	1.0	6

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91	Effects of Loading Amount of Plasticizers on Improved Crystallization of Poly (L-lactic acid). Journal of Fiber Science and Technology, 2019, 75, 99-111.	0.4	6
92	Glassy Porphyrin/C₆₀ Composites: Morphological Engineering of C₆₀ Fullerene with Liquefied Porphyrins. Langmuir, 2020, 36, 13583-13590.	3.5	6
93	Melt Behaviour of Block Copolymers. , 0, , 127-158.		5
94	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.	2.6	5
95	Multiple Site Occupation of Flexible Polymeric Compounds in Cocrystals of Syndiotactic Polystyrene. Chemistry Letters, 2014, 43, 904-906.	1.3	5
96	Morphological control of hybrid amphiphilic poly(N-isopropylacrylamide)/metal cyanide complexes. Polymer Journal, 2016, 48, 729-739.	2.7	5
97	Structure Variations of High Tenacity Nylon 6 Fiber on Cyclic Temperature Changes. Journal of Textile Engineering, 2006, 52, 107-112.	0.2	5
98	Simultaneous Timeâ€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.	0.7	4
99	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	4
100	SAXS Evaluation of Size Distribution for Nanoparticles. , 2017, , .		4
101	Fully Conjugated Porphyrin Glass: Collective Light-Harvesting Antenna for Near-Infrared Fluorescence beyond 1 Î¼m. ACS Omega, 2018, 3, 4466-4474.	3.5	4
102	Self-assembly of [Au(CN)₂]^{â^'}Complexes with Tomato (<i>Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Letters, 2018, 47, 1010-1013.	1.3	4
103	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.	2.7	4
104	Spontaneous Orientation of the Body-Centered-Cubic Lattice for Spherical Microdomains in a Block Copolymer Thin Film. Kobunshi Ronbunshu, 2017, 74, 75-84.	0.2	4
105	Differential scanning calorimetry/small-angle X-ray scattering analysis of ultraviolet sensible polypropylene filaments. Textile Reseach Journal, 2022, 92, 3142-3153.	2.2	4
106	Bioengineered Silkworm for Producing Cocoons with High Fibroin Content for Regenerated Fibroin Biomaterial-Based Applications. International Journal of Molecular Sciences, 2022, 23, 7433.	4.1	4
107	Preferential orientation of crystallites spatially confined in lamellar microdomains of polyethylene-block-[atactic poly(propylene)]. Macromolecular Rapid Communications, 2000, 21, 1140-1143.	3.9	3
108	Depth Profiling of Block Copolymer Nanostructures in Films by Smallâ€<scp>A</scp>ngle Xâ€Ray Scattering Using an Xâ€<scp>R</scp>ay Microbeam. Macromolecular Symposia, 2013, 327, 121-127.	0.7	3

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109	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.	5.4	3
110	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.	3.9	3
111	Stressâ€"Strain and Stress-Relaxation Behaviors of Solution-Coated Layers Composed of Block Copolymers Mixed with Tackifiers. ACS Omega, 2021, 6, 17299-17313.	3.5	3
112	Effect of the 3-Hydroxyhexanoate Content on Melt-Isothermal Crystallization Behavior of Microbial Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). Macromolecules, 2021, 54, 8738-8750.	4.8	3
113	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.	0.0	3
114	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.	0.2	3
115	Effect of Microdomain Structures on Mechanical Properties of Polystyrene-block-Polyethylenebutylene-block-Polystyrene Triblock Copolymer Films. Nihon Reoroji Gakkaishi, 1997, 25, 217-220.	1.0	2
116	Crystallization Behavior and Structure in Crystalline Block Copolymer and Its Blend with Crystalline Homopolymer.. Journal of Fiber Science and Technology, 1999, 55, 533-541.	0.0	2
117	Control of Mechanical Properties via Morphological Control through Blending of Elastomeric Polystyrene-block-polybutadiene-block-polystyrene Triblock Copolymers. Zairyo/Journal of the Society of Materials Science, Japan, 2001, 50, 225-228.	0.2	2
118	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	2
119	Enhanced visible light response of a WO₃ photoelectrode with an immobilized fibrous gold nanoparticle assembly using an amyloid-Î² peptide. RSC Advances, 2017, 7, 1089-1092.	3.6	2
120	Versatile Controls of Microdomain Morphologies and Temperature Dependencies in Lamellar Spacing by Blending Diblock Copolymers Bearing Antisymmetric Compositions. ACS Omega, 2017, 2, 8580-8590.	3.5	2
121	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.	4.1	2
122	DSC and SWAXS Studies on the Effects of Silk Nanocrystals on Crystallization of Poly(l-Lactic Acid). Materials Horizons, 2020, , 321-339.	0.6	2
123	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.	0.0	2
124	Valorization of a CO₂â€Derived Lactone by Acyclic Diene Metathesis Polymerization. ChemistrySelect, 2021, 6, 13947-13954.	1.5	2
125	Effects of chain microstructure on the thermal, mechanical and crystallization behaviors of poly(Îµ-caprolactone-co-lactide) copolymers: Processable biomaterials with tunable properties. Materials Today Communications, 2022, 33, 104040.	1.9	2
126	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.	1.0	1

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127	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.	0.7	1
128	Helical-Ribbon and Tape Formation of Lipid Packaged [Ru(bpy)3]2+ Complexes in Organic Media. International Journal of Molecular Sciences, 2019, 20, 3298.	4.1	1
129	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.	0.2	1
130	Phase structure and adhesion properties of acrylic block copolymer/tackifier blends as nanocompositeâ€like pressureâ€sensitive adhesives. Journal of Applied Polymer Science, 2021, 138, 51384.	2.6	1
131	Microphaseâ€separated structure of 1,3â€cyclohexadiene/butadiene triblock copolymers and its effect on mechanical and thermal properties. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 13-22.	2.1	1
132	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers. , 2001, 1, 204.		1
133	Researches on Polymer Surfaces: Structure and Dynamics. Non-linear Macroscopic Pattern Formation on Polymer Film Surface.. Hyomen Kagaku, 1997, 18, 549-556.	0.0	1
134	Orienting cylindrical microdomains in polystyrene-b-poly(ethylene-co-butylene)-b-polystyrene triblock copolymer/diluent sheet by application of temperature gradient. Polimery, 2017, 62, 812-820.	0.7	1
135	Solubility of Poly (phenylene ether) to Polystyrene-block-polyethylenebutylene-block-polystyrene Triblock Copolymers. Journal of Fiber Science and Technology, 1999, 55, 13-20.	0.0	1
136	Crystallization Behavior of Poly(Ethylene Glycol) Under a Temperature Gradient. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 7-12.	0.2	1
137	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.	0.2	1
138	Morphology and crystallization kinetics of Gâ€resins and isotactic polypropylene. Polymer Engineering and Science, 0, , .	3.1	1
139	ESCA Study on Depth Profiling of Cellulose/Poly (vinyl alcohol) Blend Films.. Journal of Fiber Science and Technology, 1993, 49, 466-473.	0.0	0
140	X-ray Scattering Analyses on Deformation Behaviors of Thermoplastic Elastomers. Nippon Gomu Kyokaishi, 2011, 84, 21-28.	0.0	0
141	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.	0.2	0
142	Recent Developments in the Crystallization of PLLA-Based Blends, Block Copolymers, and Nanocomposites. , 0, , .		0
143	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.	0.2	0
144	Morphological Control in Binary Blends of Diblock Copolymers. Journal of Fiber Science and Technology, 1998, 54, P396-P400.	0.0	0

#	Article	IF	Citations
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