

Shinichi Sakurai

List of Publications by Year in descending order

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146
papers

2,720
citations

201575

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docs citations

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times ranked

2078
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#	ARTICLE	IF	CITATIONS
1	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers. <i>Macromolecular Bioscience</i> , 2001, 1, 204-208.	2.1	165
2	Thermoreversible morphology transition between spherical and cylindrical microdomains of block copolymers. <i>Macromolecules</i> , 1993, 26, 5796-5802.	2.2	156
3	Morphology transition from cylindrical to lamellar microdomains of block copolymers. <i>Macromolecules</i> , 1993, 26, 485-491.	2.2	132
4	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. <i>Polymer Journal</i> , 2011, 43, 471-477.	1.3	112
5	Progress in control of microdomain orientation in block copolymers under external fields. <i>Polymer</i> , 2008, 49, 2781-2796.	1.8	95
6	Thermoreversible Cylinder-to-Sphere Transition of Polystyrene-block-polyisoprene Diblock Copolymers in Dioctyl Phthalate Solutions. <i>Macromolecules</i> , 1996, 29, 740-747.	2.2	88
7	Effects of microdomain structures on the molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer. <i>Macromolecules</i> , 1993, 26, 3351-3356.	2.2	73
8	Gyroid Structures and Morphological Control in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. <i>Macromolecules</i> , 1998, 31, 336-343.	2.2	73
9	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> , 1999, 32, 6707-6717.	2.2	68
10	Evaluation of segmental interaction by small-angle x-ray scattering based on the random-phase approximation for asymmetric, polydisperse triblock copolymers. <i>Macromolecules</i> , 1992, 25, 2679-2691.	2.2	61
11	Preferential Orientation of Lamellar Microdomains Induced by Uniaxial Stretching of Cross-Linked Polystyrene-block-polybutadiene-block-polystyrene Triblock Copolymer. <i>Macromolecules</i> , 2001, 34, 3672-3678.	2.2	57
12	Thermally induced morphological transition from lamella to gyroid in a binary blend of diblock copolymers. <i>Journal of Chemical Physics</i> , 1998, 108, 4333-4339.	1.2	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. <i>Macromolecules</i> , 2003, 36, 1685-1693.	2.2	53
14	SAXS Studies on Structural Changes in a Poly(vinyl alcohol) Film during Uniaxial Stretching in Water. <i>Macromolecules</i> , 2006, 39, 2921-2929.	2.2	53
15	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> , 2007, 40, 8277-8284.	2.2	53
16	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> , 2013, 45, 109-116.	1.3	51
17	Spontaneous Perpendicular Orientation of Cylindrical Microdomains in a Block Copolymer Thick Film. <i>Macromolecules</i> , 2009, 42, 2115-2121.	2.2	42
18	Kinetics of morphological transition in Polystyrene-block-polybutadiene-block-polystyrene triblock copolymer melt. <i>Journal of Chemical Physics</i> , 1996, 105, 8902-8908.	1.2	37

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19	Synchrotron small angle X-ray scattering from organogels. Part 1. Changes in molecular assemblies of cholesterol gelators during gel-sol transition. <i>Perkin Transactions II RSC</i> , 2001, , 108-112.	1.1	33
20	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> , 2011, 120, 2251-2260.	1.3	32
21	Existence of microdomain orientation in thermoplastic elastomer through a case study of SEBS electrospun fibers. <i>Polymer</i> , 2011, 52, 844-853.	1.8	32
22	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> , 2001, 39, 13-22.	2.4	31
23	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> , 2017, 50, 677-686.	2.2	31
24	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> , 2021, 261, 117881.	5.1	31
25	Molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer with cylindrical microdomains of polystyrene. <i>Polymer</i> , 1993, 34, 4837-4840.	1.8	30
26	Extraction and Characterization of Novel Natural Hydroxyapatite Bioceramic by Thermal Decomposition of Waste Ostrich Bone. <i>International Journal of Biomaterials</i> , 2020, 2020, 1-10.	1.1	30
27	Small-Angle X-ray Scattering Study on the Tensile Fracture Process of Poly(ethylene terephthalate) Fiber. <i>Macromolecules</i> , 2008, 41, 4758-4765.	2.2	29
28	Recent developments in polymer applications of synchrotron small-angle X-ray scattering. <i>Polymer International</i> , 2017, 66, 237-249.	1.6	28
29	Supramolecular control of reverse spin transitions in cobalt(II) terpyridine complexes with diblock copolypeptide amphiphiles. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7779-7783.	2.7	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. <i>Macromolecules</i> , 2003, 36, 1930-1939.	2.2	26
31	Synthesis of imidazolium salt-terminated poly(amidoamine)-typed POSS-core dendrimers and their solution and bulk properties. <i>Polymer Journal</i> , 2014, 46, 42-51.	1.3	24
32	Higher-order crystalline structures of poly(oxyethylene) in poly(D,L-lactide)/poly(oxyethylene) blends. <i>Polymer</i> , 2013, 54, 4653-4659.	1.8	23
33	Supramolecular Elastomers: Self-Assembling Star-Blocks of Soft Polyisobutylene and Hard Oligo(L-alanine) Segments. <i>Macromolecules</i> , 2015, 48, 1077-1086.	2.2	23
34	Strain-Induced Deformation of Glassy Spherical Microdomains in Elastomeric Triblock Copolymer Films: Time-Resolved 2d-SAXS Measurements under Stretched State. <i>Macromolecules</i> , 2017, 50, 3404-3410.	2.2	22
35	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> , 2021, 12, 3806-3824.	1.9	22
36	Ultra small-angle X-ray scattering studies on structural changes in micrometers upon uniaxial stretching of segmented polyurethaneureas. <i>Polymer</i> , 2009, 50, 1566-1576.	1.8	20

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37	Enhancing the bioactivity of melt electrowritten PLLA scaffold by convenient, green, and effective hydrophilic surface modification. <i>Materials Science and Engineering C</i> , 2022, 135, 112686.	3.8	20
38	Structure and properties of segmented poly(urethaneurea)s with relatively short hard-segment chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 1716-1728.	2.4	19
39	Directing Thermoplastic Elastomer Microdomain Parallel to Fiber Axis: A Model Case of SEBS with Benzoxazine through π - π Stacking. <i>Macromolecules</i> , 2011, 44, 9276-9285.	2.2	19
40	Small-angle X-ray scattering studies on melting and recrystallization behaviors of poly(oxyethylene) crystallites in poly(ϵ -lactide)/poly(oxyethylene) blends. <i>Polymer</i> , 2014, 55, 2562-2569.	1.8	19
41	Anomalous Temperature Behavior of Lamellar Microdomain Structures in Binary Blends of Polystyrene-block-polyisoprene Diblock Copolymers. <i>Macromolecules</i> , 1997, 30, 7614-7617.	2.2	18
42	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> , 2013, 45, 43-49.	1.3	18
43	Collapse of the $3 \times 3 \times 3$ cubic symmetry by uniaxial stretching of a double-gyroid block copolymer. <i>Physical Review E</i> , 2001, 63, 061803.	0.8	17
44	Perpendicular orientation of sub-10 nm channels in polystyrene-b-poly(4-hydroxyl styrene)/PEG oligomer blend thin films. <i>Nanoscale</i> , 2013, 5, 6713.	2.8	17
45	Morphology Reentry with a Change in Degree of Chain Asymmetry in Neat Asymmetric Linear $A_{12}B_{21}$ Triblock Copolymers. <i>Macromolecules</i> , 2017, 50, 8647-8657.	2.2	17
46	Effect of Block Length and Stereocomplexation on the Thermally Processable Poly(μ -caprolactone) and Poly(Lactic acid) Block Copolymers for Biomedical Applications. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3354-3365.	2.0	17
47	Effects of a special diluent as an agent of improving the crystallizability of poly(L-lactic acid). <i>Polymer Journal</i> , 2019, 51, 283-294.	1.3	17
48	Enhanced formation of stereocomplex crystallites in Poly(L-lactic acid)/Poly(D-lactic acid) blends by silk fibroin nanodisc. <i>Polymer</i> , 2021, 229, 124001.	1.8	17
49	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> , 2016, 48, 281-287.	1.3	16
50	Supramolecular Polymer of Near-Infrared Luminescent Porphyrin Glass. <i>Macromolecules</i> , 2017, 50, 3186-3192.	2.2	16
51	A metal-lustrous porphyrin foil. <i>Chemical Communications</i> , 2017, 53, 10703-10706.	2.2	16
52	Phase behaviour in binary mixtures of diblock copolymers as analysed by the random phase approximation calculations. <i>Polymer</i> , 1997, 38, 4103-4112.	1.8	15
53	Chiral polyamides consisting of N -benzoyl-L-glutamic acid as a diacid component. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2530-2538.	2.5	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. <i>Polymer Journal</i> , 2015, 47, 37-44.	1.3	15

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55	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> , 2016, 366, 35-41.	0.4	15
56	Accelerated crystallization of poly(L-lactic acid) by silk fibroin nanodisc. <i>Polymer Journal</i> , 2019, 51, 1173-1180.	1.3	15
57	Confined crystallization of Poly(ethylene glycol) in spherulites of Poly(L-lactic acid) in a PLLA/PEG blend. <i>Polymer</i> , 2021, 215, 123370.	1.8	15
58	Dynamic Heterogeneity in Interfacial Region of Microphase-Separated Polystyrene-block-poly(methyl methacrylate)/Poly(L-lactic acid) Triblock Copolymer. <i>Journal of Applied Polymer Science</i> , 2022, 166, 48555.	2.2	14
59	Hierarchical structures in poly(lactic acid)/poly(ethylene glycol) blends. <i>European Polymer Journal</i> , 2017, 89, 381-398.	2.6	14
60	Crystallization in Microdomains of a Block Copolymer Comprising Semicrystalline Block Observed by Simultaneous Measurement of SAXS and WAXS with ³¹ P NMR or DSC. <i>Journal of Macromolecular Science - Physics</i> , 2004, 43, 279-296.	0.4	13
61	Nanomorphology characterization of sterically stabilized polypyrrole-palladium nanocomposite particles. <i>Polymer Journal</i> , 2014, 46, 704-709.	1.3	13
62	Structural Evolution in Isothermal Crystallization Process of Poly(L-lactic acid) Enhanced by Silk Fibroin Nano-Disc. <i>Materials</i> , 2019, 12, 1872.	1.3	13
63	Fabrication and Properties of Electrospun Collagen Tubular Scaffold Crosslinked by Physical and Chemical Treatments. <i>Polymers</i> , 2021, 13, 755.	2.0	13
64	Effects of Polystyrene Block Content on Morphology and Adhesion Property of Polystyrene Block Copolymer. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 869-881.	1.4	12
65	Melt-Electrowritten Poly(L-lactic acid)- and Bioglass-Reinforced biomimetic hydrogel for bone regeneration. <i>Materials and Design</i> , 2022, 219, 110781.	3.3	12
66	Spontaneous Enhancement of Packing Regularity of Spherical Microdomains in the Body-Centered Cubic Lattice upon Uniaxial Stretching of Elastomeric Triblock Copolymers. <i>Polymers</i> , 2011, 3, 36-50.	2.0	11
67	Complete and comprehensive orientation of cylindrical microdomains in a block copolymer sheet. <i>Polymer Journal</i> , 2016, 48, 1123-1131.	1.3	11
68	A Tightly Stretched Ultralong Supramolecular Multiporphyrin Array Propagated by Double-Strand Formation. <i>Chemistry - A European Journal</i> , 2016, 22, 13019-13022.	1.7	11
69	Development of hybrid diblock copolypeptide amphiphile/magnetic metal complexes and their spin crossover with lower-critical-solution-temperature(LCST)-type transition. <i>Polymer</i> , 2017, 128, 347-355.	1.8	11
70	Modification of decellularized vascular xenografts with 8-arm poly(ethylene glycol) suppresses macrophage infiltration but maintains graft degradability. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 2005-2014.	2.1	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. <i>Polymer</i> , 2021, 229, 123971.	1.8	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. <i>Polymer</i> , 2018, 147, 202-212.	1.8	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. <i>Polymer</i> , 2019, 170, 211-221.	1.8	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. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4973-4984.	2.0	10
75	Influence of high pressure on higher-order structures of poly(oxyethylene) in its blend with poly(D,L-lactide). <i>Polymer Bulletin</i> , 2016, 73, 399-408.	1.7	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. <i>Polymer Journal</i> , 2017, 49, 519-526.	1.3	9
77	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> , 2013, 214, 1893-1900.	1.1	8
78	Intriguing transmission electron microscopy images observed for perpendicularly oriented cylindrical microdomains of block copolymers. <i>Nanoscale</i> , 2014, 6, 10817-10823.	2.8	8
79	Thermo-Responsive Polypyrrole-Palladium Nanocomposite Particles Synthesized by Aqueous Chemical Oxidative Dispersion Polymerization. <i>Journal of the Adhesion Society of Japan</i> , 2015, 51, 255-263.	0.0	8
80	Utilization of microalgae residue and isolated cellulose nanocrystals: A study on crystallization kinetics of poly(ϵ -caprolactone) bio-composites. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 521-530.	3.6	8
81	Impact of Strain-Induced Crystallization on Fast Crack Growth in Stretched <i>cis</i> -1,4-Polyisoprene Rubber. <i>ACS Macro Letters</i> , 2022, 11, 747-752.	2.3	8
82	Adhesion property and morphology of styrene triblock/diblock copolymer blends. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1766-1773.	1.3	7
83	Contrast matching of an Si substrate with polymer films by anomalous dispersion at the Si <i>K</i> absorption edge. <i>Journal of Applied Crystallography</i> , 2012, 45, 119-121.	1.9	7
84	Role of surfactant on inducing specific microdomains of block copolymer: An example case from polystyrene- <i>b</i> -poly(ethylene-co-1-butene)- <i>b</i> -polystyrene (SEBS) electrospun thermoplastic-elastomer fiber containing polyethylene glycol lauryl ether (PGLE). <i>Polymer</i> , 2014, 55, 2068-2076.	1.8	7
85	Grain coarsening on the free surface and in the thickness direction of a sphere-forming triblock copolymer film. <i>Polymer Journal</i> , 2018, 50, 1029-1042.	1.3	7
86	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> , 2020, 52, 421-433.	1.3	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. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 214-228.	5.0	7
88	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> , 2002, 41, 387-395.	0.4	6
89	Pressure-induced cubic-cubic transition in 1,2-bis(4'-n-tetradecyloxybenzoyl)hydrazine. <i>Liquid Crystals</i> , 2012, 39, 451-455.	0.9	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. <i>Nihon Reorji Gakkaishi</i> , 2015, 43, 77-83.	0.2	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.	0.2	6
92	Glassy Porphyrin/C ₆₀ Composites: Morphological Engineering of C ₆₀ Fullerene with Liquefied Porphyrins. Langmuir, 2020, 36, 13583-13590.	1.6	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.	1.3	5
95	Multiple Site Occupation of Flexible Polymeric Compounds in Cocrystals of Syndiotactic Polystyrene. Chemistry Letters, 2014, 43, 904-906.	0.7	5
96	Morphological control of hybrid amphiphilic poly(N-isopropylacrylamide)/metal cyanide complexes. Polymer Journal, 2016, 48, 729-739.	1.3	5
97	Structure Variations of High Tenacity Nylon 6 Fiber on Cyclic Temperature Changes. Journal of Textile Engineering, 2006, 52, 107-112.	0.5	5
98	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.	0.4	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.	1.3	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 μ m. ACS Omega, 2018, 3, 4466-4474.	1.6	4
102	Self-assembly of [Au(CN) ₂] ⁻ Complexes with Tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Letters, 2018, 47, 1010-1013.	0.7	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.	1.2	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 Research Journal, 2022, 92, 3142-3153.	1.1	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.	1.8	4
107	Preferential orientation of crystallites spatially confined in lamellar microdomains of polyethylene-block-[atactic poly(propylene)]. Macromolecular Rapid Communications, 2000, 21, 1140-1143.	2.0	3
108	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.	0.4	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. <i>European Polymer Journal</i> , 2017, 93, 382-389.	2.6	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. <i>Progress in Organic Coatings</i> , 2021, 152, 106115.	1.9	3
111	Stress-Strain and Stress-Relaxation Behaviors of Solution-Coated Layers Composed of Block Copolymers Mixed with Tackifiers. <i>ACS Omega</i> , 2021, 6, 17299-17313.	1.6	3
112	Effect of the 3-Hydroxyhexanoate Content on Melt-Isothermal Crystallization Behavior of Microbial Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Macromolecules</i> , 2021, 54, 8738-8750.	2.2	3
113	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> , 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. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2011, 60, 57-62.	0.1	3
115	Effect of Microdomain Structures on Mechanical Properties of Polystyrene-block-Polyethylenebutylene-block-Polystyrene Triblock Copolymer Films. <i>Nihon Reorji Gakkaishi</i> , 1997, 25, 217-220.	0.2	2
116	Crystallization Behavior and Structure in Crystalline Block Copolymer and Its Blend with Crystalline Homopolymer.. <i>Journal of Fiber Science and Technology</i> , 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. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2001, 50, 225-228.	0.1	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- <i>block</i> -Poly(ϵ -caprolactone). <i>Kobunshi Ronbunshu</i> , 2010, 67, 521-529.	0.2	2
119	Enhanced visible light response of a WO ₃ photoelectrode with an immobilized fibrous gold nanoparticle assembly using an amyloid- β peptide. <i>RSC Advances</i> , 2017, 7, 1089-1092.	1.7	2
120	Versatile Controls of Microdomain Morphologies and Temperature Dependencies in Lamellar Spacing by Blending Diblock Copolymers Bearing Antisymmetric Compositions. <i>ACS Omega</i> , 2017, 2, 8580-8590.	1.6	2
121	Novel Thermo-Responsive Formation of a Hydrogel by Stereo-Complexation between PLLA-PEG-PLLA and PDLA-PEG-PDLA Block Copolymers. <i>Macromolecular Bioscience</i> , 2001, 1, 204-208.	2.1	2
122	DSC and SWAXS Studies on the Effects of Silk Nanocrystals on Crystallization of Poly(L-Lactic Acid). <i>Materials Horizons</i> , 2020, , 321-339.	0.3	2
123	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> , 1991, 47, 5-10.	0.0	2
124	Valorization of a CO ₂ -Derived Lactone by Acyclic Diene Metathesis Polymerization. <i>ChemistrySelect</i> , 2021, 6, 13947-13954.	0.7	2
125	Effects of chain microstructure on the thermal, mechanical and crystallization behaviors of poly(μ -caprolactone-co-lactide) copolymers: Processable biomaterials with tunable properties. <i>Materials Today Communications</i> , 2022, 33, 104040.	0.9	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. <i>Nihon Reorji Gakkaishi</i> , 2004, 32, 179-187.	0.2	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. <i>Macromolecular Symposia</i> , 2018, 379, 1600184.	0.4	1
128	Helical-Ribbon and Tape Formation of Lipid Packaged [Ru(bpy) ₃] ²⁺ Complexes in Organic Media. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3298.	1.8	1
129	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> , 2021, 70, 17-24.	0.1	1
130	Phase structure and adhesion properties of acrylic block copolymer/tackifier blends as nanocomposite-like pressure-sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51384.	1.3	1
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