

Mikihito Takenaka

List of Publications by Year in descending order

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168
papers

4,850
citations

109264

35
h-index

114418

63
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171
all docs

171
docs citations

171
times ranked

4652
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	13.5	973
2	New Insight into Hierarchical Structures of Carbon Black Dispersed in Polymer Matrices: A Combined Small-Angle Scattering Study. <i>Macromolecules</i> , 2008, 41, 453-464.	2.2	155
3	Orthorhombic Fddd Network in Diblock Copolymer Melts. <i>Macromolecules</i> , 2007, 40, 4399-4402.	2.2	154
4	Precision Self-Assembly of Amphiphilic Random Copolymers into Uniform and Self-Sorting Nanocompartments in Water. <i>Macromolecules</i> , 2016, 49, 5084-5091.	2.2	139
5	Fabrication of Two-Dimensional Polymer Arrays: Template Synthesis of Polypyrrole between Redox-Active Coordination Nanoslits. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9883-9886.	7.2	126
6	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. <i>Polymer Journal</i> , 2011, 43, 471-477.	1.3	112
7	Directed Self-Assembly of Diblock Copolymer Thin Films on Chemically-Patterned Substrates for Defect-Free Nano-Patterning. <i>Macromolecules</i> , 2008, 41, 9267-9276.	2.2	106
8	Scattering studies of self-assembling processes of polymer blends in spinodal decomposition. II. Temperature dependence. <i>Journal of Chemical Physics</i> , 1992, 96, 6177-6190.	1.2	95
9	Directed Self-Assembly of POSS Containing Block Copolymer on Lithographically Defined Chemical Template with Morphology Control by Solvent Vapor. <i>Macromolecules</i> , 2012, 45, 292-304.	2.2	91
10	Nucleation and Growth of Metal Nanoparticles during Photoreduction Using In Situ Time-Resolved SAXS Analysis. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14081-14092.	1.5	90
11	Scattering studies of self-assembling processes of polymer blends in spinodal decomposition. <i>Journal of Applied Crystallography</i> , 1991, 24, 457-466.	1.9	88
12	Spontaneous pinning of domain growth during spinodal decomposition of off-critical polymer mixtures. <i>Journal of Chemical Physics</i> , 1992, 97, 679-689.	1.2	88
13	Compartmentalization Technologies via Self-Assembly and Cross-Linking of Amphiphilic Random Block Copolymers in Water. <i>Journal of the American Chemical Society</i> , 2017, 139, 7164-7167.	6.6	87
14	Amphiphilic Random Copolymers with Hydrophobic/Hydrogen-Bonding Urea Pendants: Self-Folding Polymers in Aqueous and Organic Media. <i>Macromolecules</i> , 2016, 49, 7917-7927.	2.2	77
15	Structure Factors of Dispersible Units of Carbon Black Filler in Rubbers. <i>Langmuir</i> , 2005, 21, 11409-11413.	1.6	76
16	Forced Rayleigh scattering study of diffusion of block copolymers. 2. Self-diffusion of block copolymer chains in lamellar microdomains and disordered melts. <i>Macromolecules</i> , 1993, 26, 492-498.	2.2	72
17	Nanostructured Materials via the Pendant Self-Assembly of Amphiphilic Crystalline Random Copolymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 8376-8379.	6.6	70
18	Stability of the Fddd Phase in Diblock Copolymer Melts. <i>Macromolecules</i> , 2008, 41, 7667-7670.	2.2	57

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19	FRS study of the diffusion of a block copolymer. 1. Direct determination of the anisotropic diffusion of block copolymer chains in a lamellar microdomain. <i>Macromolecules</i> , 1993, 26, 189-197.	2.2	56
20	Slow spinodal decomposition in binary liquid mixtures of polymers. IV. Scaled structure factor for later stage unmixing. <i>Journal of Chemical Physics</i> , 1990, 92, 4566-4575.	1.2	54
21	Structure Analyses of Swollen Rubber-Filler Systems by Using Contrast Variation SANS. <i>Macromolecules</i> , 2009, 42, 308-311.	2.2	53
22	Experimental studies of stress–diffusion coupling in semi-dilute polymer solutions. I. Viscoelastic length and viscoelastic effects on early stage spinodal decomposition. <i>Polymer</i> , 2001, 42, 9193-9203.	1.8	52
23	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
24	Cylindrical Domains of Block Copolymers Developed via Ordering under Moving Temperature Gradient. <i>Macromolecules</i> , 2007, 40, 5923-5933.	2.2	50
25	Intramolecular Folding or Intermolecular Self-Assembly of Amphiphilic Random Copolymers: On-Demand Control by Pendant Design. <i>Macromolecules</i> , 2018, 51, 3738-3745.	2.2	50
26	Determination of the Phase Boundary in Polystyrene-block-polyisoprene Diblock Copolymer Melts. <i>Macromolecules</i> , 2009, 42, 5266-5271.	2.2	49
27	Slow spinodal decomposition in binary liquid mixtures of polymers. III. Scaling analyses of later stage unmixing. <i>Journal of Chemical Physics</i> , 1990, 92, 3213-3221.	1.2	45
28	Small-angle neutron scattering and light scattering studies on the miscibility of protonated polyisoprene/deuterated polybutadiene blends. <i>Macromolecules</i> , 1991, 24, 1813-1819.	2.2	45
29	Nine-fold density multiplication of hcp lattice pattern by directed self-assembly of block copolymer. <i>Polymer</i> , 2009, 50, 4250-4256.	1.8	45
30	Spontaneous pinning of domain growth during spinodal decomposition of off-critical polymer mixtures. II. Scaling analysis. <i>Journal of Chemical Physics</i> , 1993, 98, 3528-3539.	1.2	44
31	Self-Sorting of Amphiphilic Copolymers for Self-Assembled Materials in Water: Polymers Can Recognize Themselves. <i>Journal of the American Chemical Society</i> , 2019, 141, 511-519.	6.6	43
32	Control of the Microdomain Orientation in Block Copolymer Thin Films with Homopolymers for Lithographic Application. <i>Langmuir</i> , 2007, 23, 6404-6410.	1.6	41
33	Analysis of structures of rubber-filler systems with combined scattering methods. <i>Polymer Journal</i> , 2013, 45, 10-19.	1.3	40
34	Homogenization of immiscible rubber/rubber polymer mixtures by uniaxial compression. <i>Macromolecules</i> , 1989, 22, 2293-2302.	2.2	38
35	Late stage spinodal decomposition in binary fluids: comparison between computer simulation and experimental results. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1993, 198, 473-492.	1.2	38
36	Arm-Cleavable Microgel Star Polymers: A Versatile Strategy for Direct Core Analysis and Functionalization. <i>Journal of the American Chemical Society</i> , 2014, 136, 10254-10257.	6.6	36

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37	Slow spinodal decomposition in binary liquid mixtures of polymers. 2. Effects of molecular weight and transport mechanism. <i>Macromolecules</i> , 1987, 20, 2257-2264.	2.2	34
38	Molecular weight dependence of mobility in polymer blends. <i>Polymer</i> , 1992, 33, 2729-2739.	1.8	30
39	Competition between Micro- and Macrophase Separations in a Binary Mixture of Block Copolymers. A Dynamic Density Functional Study. <i>Macromolecules</i> , 2002, 35, 7473-7480.	2.2	30
40	Cylindrical Domains of Block Copolymers Developed via Ordering under Moving Temperature Gradient: Real-Space Analysis. <i>Macromolecules</i> , 2008, 41, 8789-8799.	2.2	30
41	Self-assembly of amphiphilic block pendant polymers as microphase separation materials and folded flower micelles. <i>Polymer Chemistry</i> , 2019, 10, 4954-4961.	1.9	30
42	Apparatus for measuring time-resolved light scattering profiles from supercritical polymer solutions undergoing phase separation under high pressure. <i>Review of Scientific Instruments</i> , 1995, 66, 4066-4072.	0.6	29
43	Time evolution of dynamic shear moduli in a physical gelation process of 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol in polystyrene melt: Critical exponent and gel strength. <i>Physical Review E</i> , 2002, 65, 041401.	0.8	29
44	Combined Light Scattering and Laser Scanning Confocal Microscopy Studies of a Polymer Mixture Involving a Percolation-to-Cluster Transition. <i>Macromolecules</i> , 2000, 33, 9657-9665.	2.2	28
45	Inserting polyoxomolybdate cluster into poly(ϵ -caprolactone) to create a class of new heteropolymer: Synthesis and supramolecular structures. <i>Polymer</i> , 2011, 52, 1772-1780.	1.8	26
46	Computer simulation of the spinodal decomposition for a polydisperse polymer mixture. <i>Physical Review E</i> , 1993, 48, R647-R650.	0.8	25
47	Direct Observation on Spin-Coating Process of PS- <i>b</i> -P2VP Thin Films. <i>Macromolecules</i> , 2016, 49, 3471-3477.	2.2	25
48	Macro- and Microphase Transitions in Binary Blends of Block Copolymers with Complementarily Asymmetric Compositions. <i>Macromolecules</i> , 2001, 34, 1707-1719.	2.2	24
49	Survey of period variations of superhumps in SU UMa-type dwarf novae. VI. The sixth year (2013-2014). <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, .	1.0	24
50	Ordering of Cylindrical Domains of Block Copolymers under Moving Temperature Gradient: Separation of $\sim 1/2T$ -Induced Ordering from Surface-Induced Ordering. <i>Macromolecules</i> , 2008, 41, 6787-6792.	2.2	23
51	Star Polymer Gels with Fluorinated Microgels via Star-Star Coupling and Cross-Linking for Water Purification. <i>ACS Macro Letters</i> , 2015, 4, 377-380.	2.3	23
52	Early Stage Spinodal Decomposition in Polymer Solution under High Pressure. <i>Macromolecules</i> , 1999, 32, 1809-1815.	2.2	22
53	Structure Factor of Semidilute Polymer Solution under Continuous Shear Flow: Numerical Analysis of a Two-Fluid Model and Comparison with Experiments. <i>Macromolecules</i> , 2001, 34, 6461-6473.	2.2	22
54	Shear small-angle light scattering studies of shear-induced concentration fluctuations and steady state viscoelastic properties. <i>Journal of Chemical Physics</i> , 2008, 128, 164911.	1.2	22

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55	Formation of long-range stripe patterns with sub-10 nm half-pitch from directed self-assembly of block copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2297-2301.	2.4	22
56	Viscoelastic effects in relaxation processes of concentration fluctuations in dynamically asymmetric polymer blends. <i>Physical Review E</i> , 2002, 65, 021806.	0.8	21
57	Pressure-induced structural change of intermediate-range order in poly(4-methyl-1-pentene) melt. <i>Physical Review E</i> , 2012, 85, 021807.	0.8	21
58	Comparison in fractal dimension between those obtained from structure factor and viscoelasticity of gel networks of 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol in polystyrene melt at gel point. <i>Journal of Chemical Physics</i> , 2004, 121, 3323-3328.	1.2	20
59	Ordering Cylindrical Microdomains for Binary Blends of Block Copolymers with Graphoepitaxy. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2137-2144.	2.0	20
60	Macroscopically oriented lamellar microdomains created by "cold zone-heating" method involving OOT. <i>Polymer</i> , 2008, 49, 5146-5157.	1.8	20
61	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
62	Self-Sorting of Amphiphilic Block-Pendant Homopolymers into Sphere or Rod Micelles in Water. <i>Macromolecules</i> , 2020, 53, 4942-4951.	2.2	20
63	Simultaneous small- and wide-angle X-ray scattering studies on the crystallization dynamics of poly(4-methylpentene-1) from melt. <i>Polymer Journal</i> , 2013, 45, 79-86.	1.3	18
64	Self-assembly and morphology of gel networks in 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol/n-dibutylphthalate. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 456-465.	5.0	17
65	Hierarchically self-organized filler particles in polymers: cascade evolution of dissipative structures to ordered structures. <i>Polymer Journal</i> , 2019, 51, 109-130.	1.3	17
66	ULTRA SMALL-ANGLE X-RAY SCATTERING STUDY OF FLOCCULATION IN SILICA-FILLED RUBBER. <i>Rubber Chemistry and Technology</i> , 2014, 87, 348-359.	0.6	16
67	Phase Boundary of Polystyrene-block-polyisoprene Diblock Copolymer Melts in the Polystyrene-Rich Region. <i>Macromolecules</i> , 2015, 48, 2211-2216.	2.2	16
68	Directed Self-assembly with Density Multiplication of Cage Silsesquioxane-containing Block Copolymer via Controlled Solvent Annealing. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2011, 24, 577-580.	0.1	15
69	Fluorous Gradient Copolymers via in-Situ Transesterification of a Perfluoromethacrylate in Tandem Living Radical Polymerization: Precision Synthesis and Physical Properties. <i>Macromolecules</i> , 2018, 51, 864-871.	2.2	15
70	Slow spinodal decomposition in binary liquid mixtures of polymers. V. Molecular weight dependence in the later stage of unmixing. <i>Journal of Chemical Physics</i> , 1992, 97, 6855-6863.	1.2	14
71	Which cartilage is regenerated, hyaline cartilage or fibrocartilage? Non-invasive ultrasonic evaluation of tissue-engineered cartilage. <i>British Journal of Rheumatology</i> , 2004, 43, 1106-1108.	2.5	14
72	Estimation of the mechanical property of meniscus using ultrasound: Examinations of native meniscus and effects of enzymatic digestion. <i>Journal of Orthopaedic Research</i> , 2007, 25, 884-893.	1.2	14

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73	Aggregation States of Poly(4-methylpentene-1) at a Solid Interface. <i>Polymer Journal</i> , 2019, 51, 247-255.	1.3	14
74	Sponge-like structures and their Gaussian curvatures in polymer mixtures and microemulsions. <i>Progress in Colloid and Polymer Science</i> , 1997, 106, 118-126.	0.5	14
75	Phase Separated Structures in a Binary Blend of Diblock Copolymers under an Extensional Force Field â€œHelical Domain Structureâ€œ. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 1371-1374.	0.7	13
76	Ordering of Cylindrical Domain of Block Copolymers under Moving Temperature Gradient: Effects of Moving Rate. <i>Macromolecules</i> , 2008, 41, 6780-6786.	2.2	13
77	Sequential Synthesis of Coordination Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1139-1143.	7.2	13
78	Phase behavior and Li ⁺ Ion conductivity of styrene- <i>b</i> -ethylene oxide multiblock copolymer electrolytes. <i>Polymers for Advanced Technologies</i> , 2016, 27, 946-954.	1.6	13
79	Interface between a Polysulfone and Polyamide As Studied by Combined Neutron Reflectivity and Small-Angle Neutron Scattering Techniques. <i>Macromolecules</i> , 2000, 33, 8375-8387.	2.2	12
80	Viscoelastic effects on early stage of spinodal decomposition in dynamically asymmetric polymer blends. <i>Journal of Chemical Physics</i> , 2006, 124, 104904.	1.2	12
81	Time-resolved SAXS studies of self-assembling process of palladium nanoparticles in templates of polystyrene-block-polyisoprene melt: Effects of reaction fields on the self-assembly. <i>Polymer</i> , 2009, 50, 2696-2705.	1.8	12
82	Order-Disorder Transition of Nanocomposites: Pd Nanoparticles in Polystyrene- <i>b</i> -Polyisoprene Microdomain Templates. <i>Macromolecules</i> , 2009, 42, 5272-5277.	2.2	12
83	High-precision spin coater for a synchrotron radiation <i>in situ</i> GISAXS system: for the investigation of formation mechanisms of self-assembled structures in polymer thin films. <i>Journal of Applied Crystallography</i> , 2013, 46, 1610-1615.	1.9	12
84	Effects of mixing process on spatial distribution and coexistence of sulfur and zinc in vulcanized EPDM rubber. <i>Polymer</i> , 2021, 218, 123486.	1.8	12
85	Design guide of amphiphilic crystalline random copolymers for sub-10 nm microphase separation. <i>Polymer Chemistry</i> , 2021, 12, 501-510.	1.9	12
86	Butterfly patterns in crystalline polymers under uniaxial stretch. <i>Physical Review E</i> , 2007, 75, 061802.	0.8	11
87	Density Multiplication by Directed Self-assembly of Block Copolymer Binary Blends. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2009, 22, 229-233.	0.1	11
88	Structure in Polystyrene- <i>b</i> -polyisoprene Diblock Copolymer/Polystyrene Homopolymer Blends. <i>Macromolecules</i> , 2016, 49, 2257-2261.	2.2	11
89	Effect of Submicron Structures on the Mechanical Behavior of Polyethylene. <i>Macromolecules</i> , 2020, 53, 9097-9107.	2.2	11
90	Effects of Molecular Weight Distribution on the Dynamics of the Early Stage of Spinodal Decomposition. <i>Macromolecules</i> , 1994, 27, 6117-6123.	2.2	10

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91	Nonequilibrium helical-domain morphology in diblock copolymer systems. <i>Polymer</i> , 2001, 42, 8477-8481.	1.8	10
92	Precise small-angle X-ray scattering evaluation of the pore structures in track-etched membranes: Comparison with other convenient evaluation methods. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 394, 121-125.	0.6	10
93	Single-chain crosslinked polymers <i>via</i> the transesterification of folded polymers: from efficient synthesis to crystallinity control. <i>Polymer Chemistry</i> , 2020, 11, 5181-5190.	1.9	10
94	Amphiphilic random and random block terpolymers with PEG, octadecyl, and oleyl pendants for controlled crystallization and microphase separation. <i>Polymer Chemistry</i> , 2021, 12, 1439-1447.	1.9	10
95	Selective Coupling and Polymerization of Folded Polymer Micelles to Nanodomain Self-Assemblies. <i>ACS Macro Letters</i> , 2020, 9, 426-430.	2.3	9
96	Early-Stage Spinodal Decomposition in Ternary Blends Composed of a Random Copolymer and Homopolymers. <i>Macromolecules</i> , 1996, 29, 4134-4141.	2.2	8
97	Viscoelastic effects in dynamics of concentration fluctuations in dynamically asymmetric polymer blends. <i>Journal of Applied Crystallography</i> , 2003, 36, 642-645.	1.9	8
98	Effect of thermomechanical history on the crystallization of poly(ether-block-amide). <i>Polymer Engineering and Science</i> , 2008, 48, 2418-2425.	1.5	8
99	Consecutive living polymerization from cationic to radical: a straightforward yet versatile methodology for the precision synthesis of cleavable-block copolymers with a hemiacetal ester junction. <i>Polymer Chemistry</i> , 2012, 3, 2193.	1.9	8
100	Directed self-assembly of block copolymers. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 88-94.	3.8	8
101	Influence of Temperature and Type of Solvents on the Microdomain Orientation of $\langle \text{PS} \rangle \langle \text{b} \rangle \langle \text{P} \rangle \langle \text{VP} \rangle$ Ultrathin Films by Solvent Annealing. <i>Macromolecular Symposia</i> , 2013, 327, 72-79.	0.4	8
102	Visualizing patterned thin films by grazing-incidence small-angle X-ray scattering coupled with computed tomography. <i>Journal of Applied Crystallography</i> , 2015, 48, 1645-1650.	1.9	8
103	Tricontinuous structure in a homopolymer-homopolymer-random-copolymer ternary mixture quenched under the tricritical point. <i>Physical Review E</i> , 1995, 52, 5142-5145.	0.8	7
104	Dynamics of Early Stage Spinodal Decomposition of Multicomponent Polymer Systems. <i>Macromolecules</i> , 1995, 28, 3240-3247.	2.2	7
105	Shear-induced phase separation in nonentangled-oligomer mixture. <i>Journal of Chemical Physics</i> , 2004, 121, 7501-7504.	1.2	7
106	Later-Stage Spinodal Decomposition in Polymer Solution under High Pressure: Analyses of Scaled Structure Factor. <i>Macromolecules</i> , 2005, 38, 10487-10493.	2.2	7
107	Effects of shear flow on a semidilute polymer solution under phase-separating condition. <i>Polymer</i> , 2006, 47, 7271-7281.	1.8	7
108	Computer simulation study on the shear-induced phase separation in semidilute polymer solutions in 3-dimensional space. <i>Polymer</i> , 2006, 47, 7846-7852.	1.8	7

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109	Quantitative comparison between dynamic structure factors obtained experimentally and those calculated with Doi-Onuki theory. <i>Journal of Chemical Physics</i> , 2007, 126, 064903.	1.2	7
110	Measurements of Phase Behavior for Polyethylene in Hydrocarbons, Halogenated Hydrocarbons, and Oxygen-Containing Hydrocarbons, at High Pressure and High Temperature. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1585-1591.	1.0	7
111	Structural and Thermal Properties of Unpurified and Purified 12-Hydroxystearic Acid Solutions. <i>Journal of Fiber Science and Technology</i> , 2012, 68, 248-252.	0.0	7
112	Order-Order Transition Processes of Thin-Film Symmetric and Asymmetric PS- <i>b</i> -P2VP during Spin Coating. <i>Macromolecules</i> , 2018, 51, 10040-10051.	2.2	7
113	Improving grazing-incidence small-angle X-ray scattering-computed tomography images by total variation minimization. <i>Journal of Applied Crystallography</i> , 2020, 53, 140-147.	1.9	7
114	Multilayered Lamellar Materials and Thin Films by Instant Self-Assembly of Amphiphilic Random Copolymers. <i>ACS Macro Letters</i> , 2021, 10, 1524-1528.	2.3	7
115	Investigation of Interfacial Water Accumulation between Polypropylene Thin Film and Si Substrate by Neutron Reflectivity. <i>Langmuir</i> , 2021, 37, 14550-14557.	1.6	7
116	The Formation of Higher Order Structures of 1,3:2,4-cis-O-inside-bis-O-(<i>p</i> -methylbenzylidene)-D-sorbitol in Physical Gels of Molten Polymers and Organic Solvents.. <i>Kobunshi Ronbunshu</i> , 1998, 55, 613-627.	0.2	6
117	Later-stage spinodal decomposition in polymer solution under high pressure-analyses of q_m and l_m . <i>Polymer</i> , 2005, 46, 10782-10787.	1.8	6
118	STRUCTURE ANALYSES OF SWOLLEN RUBBER-CARBON BLACK SYSTEMS BY USING CONTRAST VARIATION SMALL-ANGLE NEUTRON SCATTERING. <i>Rubber Chemistry and Technology</i> , 2012, 85, 157-164.	0.6	6
119	Visualization of Individual Images in Patterned Organic-Inorganic Multilayers Using GISAXS-CT. <i>Langmuir</i> , 2017, 33, 4675-4681.	1.6	6
120	3D-TEM study on the novel bicontinuous microdomain structure. <i>Soft Matter</i> , 2017, 13, 8824-8828.	1.2	6
121	Effect of Preferential Orientation of Lamellae in the Interfacial Region between a Block Copolymer-based Pressure-Sensitive Adhesive and a Solid Substrate on the Peel Strength. <i>Langmuir</i> , 2018, 34, 2856-2864.	1.6	6
122	Concentration Fluctuations Induced by Orientation Fluctuations in Polymer-Liquid Crystal Mixture. <i>Macromolecules</i> , 2006, 39, 6229-6232.	2.2	5
123	Study on Hierarchical Structure of Polyethylene by using USAXS, SAXS and WAXS. <i>Kobunshi Ronbunshu</i> , 2009, 66, 612-618.	0.2	5
124	The Formation of OTDD Network Structure in PS- <i>b</i> -PI- <i>b</i> -PDMS Triblock Terpolymer. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700008.	1.1	5
125	Amphiphilic Random Cyclocopolymers as Versatile Scaffolds for Ring-Functionalized and Self-Assembled Materials. <i>Macromolecules</i> , 2021, 54, 3987-3998.	2.2	5
126	Spatial inhomogeneity of chain orientation associated with strain-induced density fluctuations in polyethylene. <i>Polymer Journal</i> , 2022, 54, 243-248.	1.3	5

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127	Evaluation of interface curvature in complex fluids from scattered intensity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 276, 22-29.	1.2	4
128	Pressure dependence of thermal fluctuation effects on the order-disorder transition of diblock copolymer solutions. <i>Journal of Applied Crystallography</i> , 2003, 36, 656-659.	1.9	4
129	Alkoxy-derived multiscale porous TiO ₂ gels probed by ultra-small-angle X-ray scattering and small-angle X-ray scattering. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 46, 63-69.	1.1	4
130	Computational study of effects of uniaxial compression during processes of spinodal decomposition. <i>Physical Review E</i> , 1995, 52, 2247-2261.	0.8	3
131	Self-Assembling in Polymerization Processes of N-Isopropylacrylamide. <i>Polymer Journal</i> , 2007, 39, 1112-1116.	1.3	3
132	Computer simulation study on the shear-induced phase separation in semi-dilute polymer solutions by using Lanniruberto-Marrucci model. <i>Polymer</i> , 2010, 51, 1853-1860.	1.8	3
133	Analyses of Hierarchical Structures of Soft Materials by Using Combined Scattering Methods. <i>Nippon Gomu Kyokaishi</i> , 2011, 84, 7-13.	0.0	3
134	Structure Analyses of Poly(styrene- <i>ran</i> -butadiene) Rubber Crosslinked by Sulfur with Small-Angle Neutron Scattering. <i>Macromolecular Symposia</i> , 2015, 353, 11-14.	0.4	3
135	X-ray scattering study on the changes in the morphology of low-modulus polypropylene under cyclic uniaxial elongation. <i>Polymer Journal</i> , 2020, 52, 279-287.	1.3	3
136	Development of elastic recovering 4-methyl-1-pentene/propylene copolymer. <i>Polymer</i> , 2020, 191, 122269.	1.8	3
137	Neutron Reflectometry Tomography for Imaging and Depth Structure Analysis of Thin Films with In-Plane Inhomogeneity. <i>Langmuir</i> , 2021, 37, 196-203.	1.6	3
138	Influence of microstructural variations on morphology and separation properties of polybutadiene-based polyurethanes. <i>RSC Advances</i> , 2021, 11, 15449-15456.	1.7	3
139	Analyses of hierarchical structures in vulcanized SBR rubber by using contrast-variation USANS and SANS. <i>Journal of Applied Crystallography</i> , 2021, 54, 949-956.	1.9	3
140	Depth-Dependent Structural Analyses in PS- <i>b</i> -P2VP Thin Films as Revealed by Grazing Incidence Small Angle Scattering in the Tender Energy Region. <i>Kobunshi Ronbunshu</i> , 2017, 74, 109-113.	0.2	3
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