

Astushi Takahara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2674330/publications.pdf>

Version: 2024-02-01

677
papers

24,049
citations

10650

74
h-index

18400

124
g-index

695
all docs

695
docs citations

695
times ranked

19887
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Healing of Covalently Cross-Linked Polymers by Reshuffling Thiuram Disulfide Moieties in Air under Visible Light. <i>Advanced Materials</i> , 2012, 24, 3975-3980.	11.1	585
2	Repeatable Photoinduced Self-Healing of Covalently Cross-Linked Polymers through Reshuffling of Trithiocarbonate Units. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1660-1663.	7.2	488
3	Dynamic covalent polymers: Reorganizable polymers with dynamic covalent bonds. <i>Progress in Polymer Science</i> , 2009, 34, 581-604.	11.8	458
4	Self-Healing of Chemical Gels Cross-Linked by Diarylbibenzofuranone-Based Trigger-Free Dynamic Covalent Bonds at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1138-1142.	7.2	431
5	Selective Modification of Halloysite Lumen with Octadecylphosphonic Acid: New Inorganic Tubular Micelle. <i>Journal of the American Chemical Society</i> , 2012, 134, 1853-1859.	6.6	377
6	Wettability and Antifouling Behavior on the Surfaces of Superhydrophilic Polymer Brushes. <i>Langmuir</i> , 2012, 28, 7212-7222.	1.6	376
7	Wetting Transition from the Cassie-Baxter State to the Wenzel State on Textured Polymer Surfaces. <i>Langmuir</i> , 2014, 30, 2061-2067.	1.6	362
8	Surface Molecular Motion of the Monodisperse Polystyrene Films. <i>Macromolecules</i> , 1997, 30, 280-285.	2.2	321
9	Molecular Aggregation Structure and Surface Properties of Poly(fluoroalkyl acrylate) Thin Films. <i>Macromolecules</i> , 2005, 38, 5699-5705.	2.2	301
10	Super-Liquid-Repellent Surfaces Prepared by Colloidal Silica Nanoparticles Covered with Fluoroalkyl Groups. <i>Langmuir</i> , 2005, 21, 7299-7302.	1.6	300
11	Film Thickness Dependence of the Surface Structure of Immiscible Polystyrene/Poly(methyl Tj ETQq1 1 0.784314 rBT /Overlock 10 T	2.2	299
12	Control of Nanobiointerfaces Generated from Well-Defined Biomimetic Polymer Brushes for Protein and Cell Manipulations. <i>Biomacromolecules</i> , 2004, 5, 2308-2314.	2.6	280
13	A dynamic covalent polymer driven by disulfidemetathesis under photoirradiation. <i>Chemical Communications</i> , 2010, 46, 1150-1152.	2.2	275
14	Biomimetic Dopamine Derivative for Selective Polymer Modification of Halloysite Nanotube Lumen. <i>Journal of the American Chemical Society</i> , 2012, 134, 12134-12137.	6.6	253
15	Friction behavior of high-density poly(2-methacryloyloxyethyl phosphorylcholine) brush in aqueous media. <i>Soft Matter</i> , 2007, 3, 740.	1.2	242
16	Macroscopic-Wetting Anisotropy on the Line-Patterned Surface of Fluoroalkylsilane Monolayers. <i>Langmuir</i> , 2005, 21, 911-918.	1.6	237
17	Polystyrene- and Poly(3-vinylpyridine)-Grafted Magnetite Nanoparticles Prepared through Surface-Initiated Nitroxide-Mediated Radical Polymerization. <i>Macromolecules</i> , 2004, 37, 2203-2209.	2.2	209
18	Mechanophores with a Reversible Radical System and Freezing-Induced Mechanochemistry in Polymer Solutions and Gels. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6168-6172.	7.2	202

#	ARTICLE	IF	CITATIONS
19	Molecular Weight Dependence of Surface Dynamic Viscoelastic Properties for the Monodisperse Polystyrene Film. <i>Macromolecules</i> , 1996, 29, 3040-3042.	2.2	187
20	Rheological Analysis of Surface Relaxation Process of Monodisperse Polystyrene Films. <i>Macromolecules</i> , 2000, 33, 7588-7593.	2.2	185
21	Competition between Oxidation and Coordination in Cross-Linking of Polystyrene Copolymer Containing Catechol Groups. <i>ACS Macro Letters</i> , 2012, 1, 457-460.	2.3	168
22	A Thermodynamic Polymer Cross-Linking System Based on Radically Exchangeable Covalent Bonds. <i>Macromolecules</i> , 2006, 39, 2121-2125.	2.2	167
23	Bovine serum albumin adsorption onto immobilized organotrichlorosilane surface: Influence of the phase separation on protein adsorption patterns. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1998, 9, 131-150.	1.9	162
24	Imaging of Dynamic Viscoelastic Properties of a Phase-Separated Polymer Surface by Forced Oscillation Atomic Force Microscopy. <i>Macromolecules</i> , 1994, 27, 7932-7934.	2.2	159
25	Ultrathinning-Induced Surface Phase Separation of Polystyrene/Poly(vinyl methyl ether) Blend Film. <i>Macromolecules</i> , 1995, 28, 934-938.	2.2	155
26	Polymer Scrambling: A Macromolecular Radical Crossover Reaction between the Main Chains of Alkoxyamine-Based Dynamic Covalent Polymers. <i>Journal of the American Chemical Society</i> , 2003, 125, 4064-4065.	6.6	147
27	Effect of soft segment chemistry on the biostability of segmented polyurethanes. I. In vitro oxidation. <i>Journal of Biomedical Materials Research Part B</i> , 1991, 25, 341-356.	3.0	144
28	Synthesis of Self-Healing Polymers by Scandium-Catalyzed Copolymerization of Ethylene and Anisylpropylenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 3249-3257.	6.6	144
29	Tribological properties of hydrophilic polymer brushes under wet conditions. <i>Chemical Record</i> , 2010, 10, 208-216.	2.9	143
30	Depth Dependence of the Surface Glass Transition Temperature of a Poly(styrene-block-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Spectroscopy. <i>Macromolecules</i> , 1995, 28, 3482-3484.	2.2	142
31	Mechanochromic Dynamic Covalent Elastomers: Quantitative Stress Evaluation and Autonomous Recovery. <i>ACS Macro Letters</i> , 2015, 4, 1307-1311.	2.3	142
32	Determination of Surface Glass Transition Temperature of Monodisperse Polystyrene Based on Temperature-Dependent Scanning Viscoelasticity Microscopy. <i>Macromolecules</i> , 1999, 32, 4474-4476.	2.2	137
33	Design and performance of horizontal-type neutron reflectometer SOFIA at J-PARC/MLF. <i>European Physical Journal Plus</i> , 2011, 126, 1.	1.2	136
34	Novel neutron reflectometer SOFIA at J-PARC/MLF for in-situ soft-interface characterization. <i>Polymer Journal</i> , 2013, 45, 100-108.	1.3	134
35	Anti-fouling behavior of polymer brush immobilized surfaces. <i>Polymer Journal</i> , 2016, 48, 325-331.	1.3	133
36	Chain dimensions and surface characterization of superhydrophilic polymer brushes with zwitterion side groups. <i>Soft Matter</i> , 2013, 9, 5138.	1.2	130

#	ARTICLE	IF	CITATIONS
37	Effect of Surface Molecular Aggregation State and Surface Molecular Motion on Wetting Behavior of Water on Poly(fluoroalkyl methacrylate) Thin Films. <i>Macromolecules</i> , 2010, 43, 454-460.	2.2	128
38	Microphase separated structure, surface composition and blood compatibility of segmented poly(urethaneureas) with various soft segment components. <i>Polymer</i> , 1985, 26, 987-996.	1.8	126
39	Self-Healing of a Cross-Linked Polymer with Dynamic Covalent Linkages at Mild Temperature and Evaluation at Macroscopic and Molecular Levels. <i>Macromolecules</i> , 2015, 48, 5632-5639.	2.2	125
40	Polystyrene-Grafted Magnetite Nanoparticles Prepared through Surface-Initiated Nitroxyl-Mediated Radical Polymerization. <i>Chemistry of Materials</i> , 2003, 15, 3-5.	3.2	122
41	Aggregation state and mesophase structure of comb-shaped polymers with fluorocarbon side groups. <i>Polymer</i> , 1992, 33, 1316-1320.	1.8	116
42	Effect of Polydispersity on Surface Molecular Motion of Polystyrene Films. <i>Macromolecules</i> , 1997, 30, 6626-6632.	2.2	116
43	Study of the surface glass transition behaviour of amorphous polymer film by scanning-force microscopy and surface spectroscopy. <i>Polymer</i> , 1998, 39, 4665-4673.	1.8	112
44	Surface Molecular Aggregation Structure and Surface Molecular Motions of High-Molecular-Weight Polystyrene/Low-Molecular-Weight Poly(methyl methacrylate) Blend Films. <i>Macromolecules</i> , 1998, 31, 863-869.	2.2	112
45	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. <i>Polymer Journal</i> , 2011, 43, 471-477.	1.3	112
46	Mechanically Robust and Self-Healable Superlattice Nanocomposites by Self-Assembly of Single-Component "Sticky" Polymer-Grafted Nanoparticles. <i>Advanced Materials</i> , 2015, 27, 3934-3941.	11.1	111
47	Thermal Reorganization and Molecular Weight Control of Dynamic Covalent Polymers Containing Alkoxyamines in Their Main Chains. <i>Macromolecules</i> , 2007, 40, 1429-1434.	2.2	104
48	Long-Range Hydrophilic Attraction between Water and Polyelectrolyte Surfaces in Oil. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15017-15021.	7.2	103
49	Programmed Thermodynamic Formation and Structure Analysis of Star-like Nanogels with Core Cross-linked by Thermally Exchangeable Dynamic Covalent Bonds. <i>Journal of the American Chemical Society</i> , 2007, 129, 13298-13304.	6.6	102
50	Surface Relaxation Process of Monodisperse Polystyrene Film Based on Lateral Force Microscopic Measurements. <i>Macromolecules</i> , 1998, 31, 5150-5151.	2.2	99
51	Tribological Properties of Poly(methyl methacrylate) Brushes Prepared by Surface-Initiated Atom Transfer Radical Polymerization. <i>Polymer Journal</i> , 2005, 37, 767-775.	1.3	99
52	Perfluoropolyether-infused nano-texture: a versatile approach to omniphobic coatings with low hysteresis and high transparency. <i>Chemical Communications</i> , 2013, 49, 597-599.	2.2	99
53	Phase Separated Morphology of an Immobilized Organosilane Monolayer Studied by a Scanning Probe Microscope. <i>Langmuir</i> , 1995, 11, 1341-1346.	1.6	97
54	Large-scale self-assembled zirconium phosphate smectic layers via a simple spray-coating process. <i>Nature Communications</i> , 2014, 5, 3589.	5.8	97

#	ARTICLE	IF	CITATIONS
55	Dynamic Formation of Graft Polymers via Radical Crossover Reaction of Alkoxyamines. <i>Macromolecules</i> , 2004, 37, 1696-1701.	2.2	91
56	Microphase separated structure and blood compatibility of segmented poly(urethaneureas) with different diamines in the hard segment. <i>Polymer</i> , 1985, 26, 978-986.	1.8	90
57	Molecular Aggregation State of n-Octadecyltrichlorosilane Monolayer Prepared at an Air/Water Interface. <i>Langmuir</i> , 1998, 14, 971-974.	1.6	90
58	A dynamic (reversible) covalent polymer: radical crossover behaviour of TEMPO-containing poly(alkoxyamine ester)s. <i>Chemical Communications</i> , 2002, , 2838-2839.	2.2	90
59	Network Reorganization of Dynamic Covalent Polymer Gels with Exchangeable Diarylbibenzofuranone at Ambient Temperature. <i>Journal of the American Chemical Society</i> , 2014, 136, 11839-11845.	6.6	90
60	Mobility Gradient in Surface Region of Monodisperse Polystyrene Films. <i>Macromolecules</i> , 2003, 36, 1235-1240.	2.2	87
61	Dimensions of a Free Linear Polymer and Polymer Immobilized on Silica Nanoparticles of a Zwitterionic Polymer in Aqueous Solutions with Various Ionic Strengths. <i>Langmuir</i> , 2008, 24, 8772-8778.	1.6	86
62	Searching for a Stable High-Performance Magnetorheological Suspension. <i>Advanced Materials</i> , 2018, 30, e1704769.	11.1	85
63	Reversible adhesive-free nanoscale adhesion utilizing oppositely charged polyelectrolyte brushes. <i>Soft Matter</i> , 2011, 7, 5717.	1.2	84
64	Well-Defined Poly(sulfobetaine) Brushes Prepared by Surface-Initiated ATRP Using a Fluoroalcohol and Ionic Liquids as the Solvents. <i>Macromolecules</i> , 2011, 44, 104-111.	2.2	84
65	Polyelectrolyte brushes: a novel stable lubrication system in aqueous conditions. <i>Faraday Discussions</i> , 2012, 156, 403.	1.6	84
66	Reversible Radical Ring-Crossover Polymerization of an Alkoxyamine-Containing Dynamic Covalent Macrocycle. <i>Macromolecules</i> , 2005, 38, 6316-6320.	2.2	82
67	Effect of soft segment chemistry on the biostability of segmented polyurethanes. II. In vitro hydrolytic degradation and lipid sorption. <i>Journal of Biomedical Materials Research Part B</i> , 1992, 26, 801-818.	3.0	81
68	Changes in Network Structure of Chemical Gels Controlled by Solvent Quality through Photoinduced Radical Reshuffling Reactions of Trithiocarbonate Units. <i>ACS Macro Letters</i> , 2012, 1, 478-481.	2.3	81
69	Effects of droplet size and solute concentration on drying process of polymer solution droplets deposited on homogeneous surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 3561-3567.	2.5	79
70	Direct Synthesis of Well-Defined Poly[2-(methacryloyloxy)ethyl]trimethylammonium chloride Brush via Surface-Initiated Atom Transfer Radical Polymerization in Fluoroalcohol. <i>Macromolecules</i> , 2010, 43, 8409-8415.	2.2	78
71	Surface molecular mobility and platelet reactivity of segmented poly(etherurethaneureas) with hydrophilic and hydrophobic soft segment components. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1989, 1, 17-29.	1.9	77
72	Repeatable mechanochemical activation of dynamic covalent bonds in thermoplastic elastomers. <i>Chemical Communications</i> , 2016, 52, 10482-10485.	2.2	76

#	ARTICLE	IF	CITATIONS
73	Spontaneously Formed Hydrophilic Surfaces by Segregation of Block Copolymers with Water-Soluble Blocks. <i>Macromolecules</i> , 2005, 38, 5180-5189.	2.2	75
74	Transparent polymer nanohybrid prepared by in situ synthesis of aluminosilicate nanofibers in poly(vinyl alcohol) solution. <i>Soft Matter</i> , 2005, 1, 372.	1.2	75
75	Influence of Molecular Weight Dispersity of Poly{2-(perfluorooctyl)ethyl acrylate} Brushes on Their Molecular Aggregation States and Wetting Behavior. <i>Macromolecules</i> , 2012, 45, 1509-1516.	2.2	75
76	Dynamic covalent diarylbibenzofuranone-modified nanocellulose: mechanochromic behaviour and application in self-healing polymer composites. <i>Polymer Chemistry</i> , 2017, 8, 2115-2122.	1.9	75
77	Preparation and properties of [poly(methyl methacrylate)/imogolite] hybrid via surface modification using phosphoric acid ester. <i>Polymer</i> , 2005, 46, 12386-12392.	1.8	74
78	Molecular Motion in Ultrathin Polystyrene Films: A Dynamic Mechanical Analysis of Surface and Interfacial Effects. <i>Macromolecules</i> , 2005, 38, 9735-9741.	2.2	73
79	Effect of surface hydrophilicity on ex vivo blood compatibility of segmented polyurethanes. <i>Biomaterials</i> , 1991, 12, 324-334.	5.7	72
80	Polystyrene-grafted titanium oxide nanoparticles prepared through surface-initiated nitroxide-mediated radical polymerization and their application to polymer hybrid thin films. <i>Soft Matter</i> , 2006, 2, 415.	1.2	71
81	X-ray photoelectron spectroscopy study of polyimide thin films with Ar cluster ion depth profiling. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2010, 28, L1-L4.	0.9	71
82	Superior Properties of Polyurethane Elastomers Synthesized with Aliphatic Diisocyanate Bearing a Symmetric Structure. <i>Macromolecules</i> , 2017, 50, 1008-1015.	2.2	71
83	Scanning force microscopic studies of surface structure and protein adsorption behavior of organosilane monolayers. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1996, 14, 1747-1754.	0.9	70
84	Scrambling reaction between polymers prepared by step-growth and chain-growth polymerizations: macromolecular cross-metathesis between 1,4-polybutadiene and olefin-containing polyester. <i>Chemical Communications</i> , 2009, , 1073.	2.2	70
85	Molecular self-assembly of one-dimensional polymer nanostructures in nanopores of anodic alumina oxide templates. <i>Progress in Polymer Science</i> , 2018, 77, 95-117.	11.8	70
86	Materials and Life Science Experimental Facility (MLF) at the Japan Proton Accelerator Research Complex II: Neutron Scattering Instruments. <i>Quantum Beam Science</i> , 2017, 1, 9.	0.6	69
87	Application of imogolite clay nanotubes in organic-inorganic nanohybrid materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 11887.	6.7	68
88	Halloysite Nanotubes: Green Nanomaterial for Functional Organic-Inorganic Nanohybrids. <i>Chemical Record</i> , 2018, 18, 986-999.	2.9	68
89	Fatigue failure mechanisms of short glass-fiber reinforced nylon 66 based on nonlinear dynamic viscoelastic measurement. <i>Polymer</i> , 2001, 42, 5803-5811.	1.8	67
90	Effect of Low Surface Energy Chain Ends on the Glass Transition Temperature of Polymer Thin Films. <i>Macromolecules</i> , 2002, 35, 1491-1492.	2.2	67

#	ARTICLE	IF	CITATIONS
91	Thermosensitive Transparent Semi-Interpenetrating Polymer Networks for Wound Dressing and Cell Adhesion Control. <i>Biomacromolecules</i> , 2008, 9, 1313-1321.	2.6	67
92	Reorganizable Chemical Polymer Gels Based on Dynamic Covalent Exchange and Controlled Monomer Insertion. <i>Macromolecules</i> , 2009, 42, 8733-8738.	2.2	67
93	Versatile inhibition of marine organism settlement by zwitterionic polymer brushes. <i>Polymer Journal</i> , 2015, 47, 811-818.	1.3	67
94	Precise surface structure control of inorganic solid and metal oxide nanoparticles through surface-initiated radical polymerization. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 617-628.	2.8	66
95	Three-Dimensional Analysis of Collagen Lamellae in the Anterior Stroma of the Human Cornea Visualized by Second Harmonic Generation Imaging Microscopy. , 2011, 52, 911.		66
96	Morphology and mechanical properties of polymer surfaces via scanning force microscopy. <i>Progress in Surface Science</i> , 1996, 52, 1-52.	3.8	65
97	Dependence of the Molecular Aggregation State of Octadecylsiloxane Monolayers on Preparation Methods. <i>Langmuir</i> , 2005, 21, 905-910.	1.6	64
98	Supramolecular control of spin-crossover phenomena in lipophilic Fe(II)-1,2,4-triazole complexes. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5192-5202.	2.5	63
99	Orientation of poly(vinyl alcohol) nanofiber and crystallites in non-woven electrospun nanofiber mats under uniaxial stretching. <i>Polymer</i> , 2012, 53, 4702-4708.	1.8	63
100	Quantitative Analysis of Collagen Lamellae in the Normal and Keratoconic Human Cornea by Second Harmonic Generation Imaging Microscopy. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8377-8385.	3.3	63
101	Bringing movable and deployable networks to disaster areas: development and field test of MDRU. <i>IEEE Network</i> , 2016, 30, 86-91.	4.9	63
102	Effect of Charged Group Spacer Length on Hydration State in Zwitterionic Poly(sulfobetaine) Brushes. <i>Langmuir</i> , 2017, 33, 8404-8412.	1.6	63
103	Electrospinning of non-ionic cellulose ethers/polyvinyl alcohol nanofibers: Characterization and applications. <i>Carbohydrate Polymers</i> , 2018, 181, 175-182.	5.1	63
104	Intelligent Build-Up of Complementarily Reactive Diblock Copolymers via Dynamic Covalent Exchange toward Symmetrical and Miktoarm Star-like Nanogels. <i>Macromolecules</i> , 2010, 43, 1785-1791.	2.2	62
105	Preparation of Low-Surface-Energy Poly[2-(perfluorooctyl)ethyl acrylate] Microparticles and Its Application to Liquid Marble Formation. <i>Langmuir</i> , 2011, 27, 1269-1274.	1.6	62
106	Molecular Aggregation State of Octadecyltrichlorosilane Monolayers Prepared by the Langmuir and Chemisorption Methods. <i>Langmuir</i> , 2000, 16, 3932-3936.	1.6	61
107	Effect of aggregation state of hard segment in segmented poly(urethaneureas) on their fatigue behavior after interaction with blood components. <i>Journal of Biomedical Materials Research Part B</i> , 1985, 19, 13-34.	3.0	60
108	Synthesis and Frictional Properties of Poly(2,3-dihydroxypropyl methacrylate) Brush Prepared by Surface-initiated Atom Transfer Radical Polymerization. <i>Chemistry Letters</i> , 2005, 34, 1582-1583.	0.7	60

#	ARTICLE	IF	CITATIONS
109	Morphological Control of Helical Structures of an ABC-Type Triblock Terpolymer by Distribution Control of a Blending Homopolymer in a Block Copolymer Microdomain. <i>Macromolecules</i> , 2013, 46, 6991-6997.	2.2	60
110	Surface Mobile Layer of Polystyrene Film below Bulk Glass Transition Temperature. <i>Macromolecules</i> , 2001, 34, 6164-6166.	2.2	59
111	Microscopic lamellar organization in high-density polyethylene banded spherulites studied by scanning probe microscopy. <i>Polymer</i> , 2002, 43, 3441-3446.	1.8	59
112	Nonisothermal Crystallization Behaviors of Nanocomposites Prepared by <i>In Situ</i> Polymerization of High-Density Polyethylene on Multiwalled Carbon Nanotubes. <i>Macromolecules</i> , 2010, 43, 10545-10553.	2.2	59
113	Environmentally friendly repeatable adhesion using a sulfobetaine-type polyzwitterion brush. <i>Polymer Chemistry</i> , 2013, 4, 4987.	1.9	58
114	Linking experiment and theory for three-dimensional networked binary metal nanoparticle-triblock terpolymer superstructures. <i>Nature Communications</i> , 2014, 5, 3247.	5.8	58
115	Tunable Lyotropic Photonic Liquid Crystal Based on Graphene Oxide. <i>ACS Photonics</i> , 2014, 1, 79-86.	3.2	58
116	Mixing of immiscible polymers using nanoporous coordination templates. <i>Nature Communications</i> , 2015, 6, 7473.	5.8	58
117	Aggregation structure and surface properties of immobilized organosilane monolayers prepared by the upward drawing method. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 2530-2536.	0.9	57
118	A Novel Method To Examine Surface Composition in Mixtures of Chemically Identical Two Polymers with Different Molecular Weights. <i>Macromolecules</i> , 2002, 35, 4702-4706.	2.2	57
119	Aggregation States and Surface Wettability in Films of Poly(styrene-block-2-perfluorooctyl ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 11 20, 5304-5310.	1.6	57
120	Chain dimension of polyampholytes in solution and immobilized brush states. <i>Polymer Journal</i> , 2012, 44, 121-130.	1.3	57
121	Neutron reflectivity study of the swollen structure of polyzwitterion and polyelectrolyte brushes in aqueous solution. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1673-1686.	1.9	57
122	Enhanced pool boiling of ethanol on wettability-patterned surfaces. <i>Applied Thermal Engineering</i> , 2019, 149, 325-331.	3.0	55
123	Influence of chemical structure of hard segments on physical properties of polyurethane elastomers: a review. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	55
124	Surface chemical composition and surface molecular mobility of diblock and random copolymers with hydrophobic and hydrophilic segments. <i>Polymer</i> , 1990, 31, 1149-1153.	1.8	54
125	Visualization of Active Surface Molecular Motion in Polystyrene Film by Scanning Viscoelasticity Microscopy. <i>Langmuir</i> , 2003, 19, 6573-6575.	1.6	54
126	Detection of Subepithelial Fibrosis Associated with Corneal Stromal Edema by Second Harmonic Generation Imaging Microscopy. , 2009, 50, 3145.		54

#	ARTICLE	IF	CITATIONS
127	Poly(methyl methacrylate) grafted imogolite nanotubes prepared through surface-initiated ATRP. <i>Chemical Communications</i> , 2011, 47, 5813.	2.2	54
128	A non-sticky superhydrophobic surface prepared by self-assembly of fluoroalkyl phosphonic acid on a hierarchically micro/nanostructured alumina gel film. <i>Chemical Communications</i> , 2012, 48, 6824.	2.2	54
129	Surface Segregation of the Higher Surface Free Energy Component in Symmetric Polymer Blend Films. <i>Macromolecules</i> , 1998, 31, 3746-3749.	2.2	53
130	Surface Molecular Motion of Monodisperse Diamino-Terminated and Dicarboxy-Terminated Polystyrenes. <i>Macromolecules</i> , 2001, 34, 8761-8767.	2.2	52
131	Preparation of Novel Polymer Hybrids from Imogolite Nanofiber. <i>Polymer Journal</i> , 2007, 39, 1-15.	1.3	52
132	Surface glass transition temperatures of monodisperse polystyrene films by scanning force microscopy. <i>Science and Technology of Advanced Materials</i> , 2000, 1, 31-35.	2.8	51
133	Anomalous Surface Relaxation Process in Polystyrene Ultrathin Films. <i>Macromolecules</i> , 2003, 36, 4937-4943.	2.2	51
134	Phase selective preparations and surface modifications of spherical hollow nanomagnets. <i>Journal of Materials Chemistry</i> , 2006, 16, 3215.	6.7	51
135	Robust Liquid Marbles Stabilized with Surface-Modified Halloysite Nanotubes. <i>Langmuir</i> , 2013, 29, 14971-14975.	1.6	51
136	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
137	Surface Modification of Aluminosilicate Nanofiber Imogolite. <i>Chemistry Letters</i> , 2001, 30, 1162-1163.	0.7	50
138	Surface Structure of Asymmetric Fluorinated Block Copolymers. <i>Macromolecules</i> , 2004, 37, 939-945.	2.2	50
139	Simultaneous and sequential micro-porous semi-interpenetrating polymer network hydrogel films for drug delivery and wound dressing applications. <i>Polymer</i> , 2009, 50, 3537-3546.	1.8	50
140	Macroscopic Frictional Properties of Poly(1-(2-methacryloyloxy)ethyl-3-butyl Imidazolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td Interfaces, 2010, 2, 1120-1128.	4.0	49
141	Effect of Chain End Chemistry on Surface Molecular Motion of Polystyrene Films. <i>Macromolecules</i> , 1998, 31, 5148-5149.	2.2	48
142	Structure and Dewetting Behavior of Polyhedral Oligomeric Silsesquioxane-Filled Polystyrene Thin Films. <i>Langmuir</i> , 2007, 23, 902-907.	1.6	48
143	Control of Dispersion State of Silsesquioxane Nanofillers for Stabilization of Polystyrene Thin Films. <i>Langmuir</i> , 2008, 24, 5766-5772.	1.6	48
144	Evaluation of fatigue lifetime and elucidation of fatigue mechanism in plasticized poly(vinyl chloride) in terms of dynamic viscoelasticity. <i>Journal of Applied Polymer Science</i> , 1980, 25, 597-614.	1.3	47

#	ARTICLE	IF	CITATIONS
145	Effect of hydrophilic soft segment side chains on the surface properties and blood compatibility of segmented poly (urethaneureas). <i>Journal of Biomedical Materials Research Part B</i> , 1991, 25, 1095-1118.	3.0	47
146	Characterization of catecholâ€containing natural thermosetting polymer â€œurushiolâ€thin film. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3688-3692.	2.5	47
147	Influence of Trace Amount of Well-Dispersed Carbon Nanotubes on Structural Development and Tensile Properties of Polypropylene. <i>Macromolecules</i> , 2013, 46, 463-473.	2.2	47
148	Surface segregation of chain ends in 1,1'-fluoroalkyl-terminated polystyrenes films. <i>Polymer</i> , 2003, 44, 4171-4177.	1.8	46
149	Internally Modified Halloysite Nanotubes as Inorganic Nanocontainers for a Flame Retardant. <i>Chemistry Letters</i> , 2013, 42, 121-123.	0.7	46
150	Superhydrophobic magnetic poly(DOPAm-co-PFOEA)/Fe ₃ O ₄ /cellulose microspheres for stable liquid marbles. <i>Chemical Communications</i> , 2016, 52, 1895-1898.	2.2	46
151	Analysis of fatigue behavior of high-density polyethylene based on dynamic viscoelastic measurements during the fatigue process. <i>Journal of Applied Polymer Science</i> , 1981, 26, 1085-1104.	1.3	45
152	Morphological Investigation of Midblockâ€Sulfonated Block Ionomers Prepared from Solvents Differing in Polarity. <i>Macromolecular Rapid Communications</i> , 2015, 36, 432-438.	2.0	45
153	Biobased Polymer Coating Using Catechol Derivative Urushiol. <i>Langmuir</i> , 2016, 32, 4619-4623.	1.6	45
154	Analysis of surface structure of built-up film of fluorocarbon amphiphile and polymer/(fluorocarbon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 22, 617-622.	2.2	44
155	Imogolite Reinforced Nanocomposites: Multifaceted Green Materials. <i>Materials</i> , 2010, 3, 1709-1745.	1.3	44
156	Substrateâ€Independent Underwater Superoleophobic Surfaces Inspired by Fishâ€Skin and Musselâ€Adhesives. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300092.	1.9	44
157	Enhancement of the Hydrogen-Bonding Network of Water Confined in a Polyelectrolyte Brush. <i>Langmuir</i> , 2017, 33, 3954-3959.	1.6	44
158	Contamination-Free Transmission Electron Microscopy for High-Resolution Carbon Elemental Mapping of Polymers. <i>ACS Nano</i> , 2009, 3, 1297-1304.	7.3	43
159	Heterogeneous Lamellar Structures Near the Polymer/Substrate Interface. <i>Macromolecules</i> , 2012, 45, 7098-7106.	2.2	43
160	Solution Processable Iridescent Self-Assembled Nanoplatelets with Finely Tunable Interlayer Distances Using Charge- and Sterically Stabilizing Oligomeric Polyoxyalkyleneamine Surfactants. <i>Chemistry of Materials</i> , 2014, 26, 1528-1537.	3.2	43
161	Liquid Marbles Supported by Monodisperse Poly(methylsilsesquioxane) Particles. <i>Langmuir</i> , 2014, 30, 9071-9075.	1.6	43
162	Surface molecular motion in thin films of poly(styrene-block-methyl methacrylate) diblock copolymer. <i>Acta Polymerica</i> , 1995, 46, 476-482.	1.4	42

#	ARTICLE	IF	CITATIONS
163	Reversible cross-linking of hydrophilic dynamic covalent polymers with radically exchangeable alkoxyamines in aqueous media. <i>Polymer Chemistry</i> , 2011, 2, 2021.	1.9	42
164	Semirigid Biobased Polymer Brush: Poly(α -methylene- β -butyrolactone) Brushes. <i>ACS Macro Letters</i> , 2012, 1, 1124-1127.	2.3	42
165	Crystal polymorphism of polylactide and its composites by X-ray diffraction study. <i>Polymer Journal</i> , 2020, 52, 755-763.	1.3	42
166	Dynamical crossover between hyperdiffusion and subdiffusion of polymer-grafted nanoparticles in a polymer matrix. <i>Physical Review E</i> , 2013, 88, 032602.	0.8	40
167	Chain orientation in poly(glycolic acid)/halloysite nanotube hybrid electrospun fibers. <i>Polymer</i> , 2015, 60, 284-291.	1.8	40
168	Effect of glass fiber-matrix polymer interaction on fatigue characteristics of short glass fiber-reinforced poly(butylene terephthalate) based on dynamic viscoelastic measurement during the fatigue process. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 839-849.	2.4	39
169	Multifunctional nitrogen-doped carbon dots from maleic anhydride and tetraethylenepentamine via pyrolysis for sensing, adsorbance, and imaging applications. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 1026-1033.	4.0	39
170	Light-Triggered Adhesion of Water-Soluble Polymers with a Caged Catechol Group. <i>ACS Macro Letters</i> , 2013, 2, 112-115.	2.3	38
171	Cross-Linked Liquid Crystalline Polyimides with Siloxane Units: Their Morphology and Thermal Diffusivity. <i>Macromolecules</i> , 2013, 46, 747-755.	2.2	38
172	Adsorption and Desorption Behavior of Asphaltene on Polymer-Brush-Immobilized Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20385-20389.	4.0	38
173	Surface Properties and Platelet Reactivity of Segmented Poly(etherurethanes) and Poly(etherurethaneureas). <i>Journal of Biomaterials Applications</i> , 1991, 6, 42-70.	1.2	37
174	Molecular Aggregation State and Molecular Motion of Organosilane Monolayers Prepared at the Air/Water Interface. <i>Langmuir</i> , 2000, 16, 9314-9320.	1.6	37
175	Molecular Aggregation State of Surface-grafted Poly{2-(perfluorooctyl)ethyl acrylate} Thin Film Analyzed by Grazing Incidence X-ray Diffraction. <i>Polymer Journal</i> , 2008, 40, 854-860.	1.3	37
176	Rational approach to star-like nanogels with different arm lengths: formation by dynamic covalent exchange and their imaging. <i>Chemical Communications</i> , 2009, , 689-691.	2.2	37
177	Surface Composition Control via Chain End Segregation in Blend Films of Polystyrene and Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overbor	2.2	36
178	Controlled Release of Model Drug from Biodegradable Segmented Polyurethane Ureas: Morphological and Structural Features. <i>Macromolecular Symposia</i> , 2006, 242, 241-249.	0.4	36
179	Spreading and Structuring of Water on Superhydrophilic Polyelectrolyte Brush Surfaces. <i>Langmuir</i> , 2013, 29, 1148-1151.	1.6	36
180	(Inorganic Nanofiber/Enzyme) Hybrid Hydrogel: Preparation, Characterization, and Enzymatic Activity of Imogolite/Pepsin Conjugate. <i>Chemistry Letters</i> , 2006, 35, 194-195.	0.7	35

#	ARTICLE	IF	CITATIONS
181	Direct modification of polyolefin films by surface-initiated polymerization of a phosphobetaine monomer. <i>Polymer Chemistry</i> , 2013, 4, 731-739.	1.9	35
182	Synthesis of polyethylene/polyester copolymers through main chain exchange reactions via olefin metathesis. <i>Polymer</i> , 2014, 55, 6245-6251.	1.8	35
183	pH-Responsive and selective protein adsorption on an amino acid-based zwitterionic polymer surface. <i>Polymer Chemistry</i> , 2015, 6, 7053-7059.	1.9	35
184	Zwitterionic polymer brush grafting on anodic aluminum oxide membranes by surface-initiated atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2017, 8, 2309-2316.	1.9	35
185	Effect of chain architecture of polyol with secondary hydroxyl group on aggregation structure and mechanical properties of polyurethane elastomer. <i>Polymer</i> , 2017, 116, 423-428.	1.8	35
186	Preparation of a novel (polymer/inorganic nanofiber) composite through surface modification of natural aluminosilicate nanofiber. <i>Journal of Adhesion</i> , 2002, 78, 591-602.	1.8	34
187	Plasma protein adsorption behavior onto the surface of phase-separated organosilane monolayers on the basis of scanning force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 23, 141-152.	2.5	34
188	Molecular Aggregation Structure of Poly(fluoroalkyl acrylate) Thin Films Evaluated by Synchrotron-sourced Grazing-incidence X-ray Diffraction. <i>Chemistry Letters</i> , 2005, 34, 1024-1025.	0.7	34
189	Grazing Incidence X-ray Diffraction Study on Surface Crystal Structure of Polyethylene Thin Films. <i>Polymer Bulletin</i> , 2005, 53, 213-222.	1.7	34
190	Room-temperature nanoimprint lithography for crystalline poly(fluoroalkyl acrylate) thin films. <i>Soft Matter</i> , 2010, 6, 870.	1.2	34
191	Insertion Metathesis Depolymerization of Aromatic Disulfide-containing Dynamic Covalent Polymers under Weak Intensity Photoirradiation. <i>Chemistry Letters</i> , 2013, 42, 1346-1348.	0.7	34
192	Effect of $\hat{\pm}$ -substituents on molecular motion and wetting behaviors of poly(fluoroalkyl acrylate) thin films with short fluoroalkyl side chains. <i>Polymer</i> , 2014, 55, 6303-6308.	1.8	34
193	Solvothermal synthesis of superhydrophobic hollow carbon nanoparticles from a fluorinated alcohol. <i>Nanoscale</i> , 2015, 7, 16087-16093.	2.8	34
194	Metathesis-driven scrambling reactions between polybutadiene or naturally occurring polyisoprene and olefin-containing polyurethane. <i>Polymer</i> , 2015, 78, 145-153.	1.8	34
195	Surface Morphology and Frictional Property of Polyethylene Single Crystals Studied by Scanning Force Microscopy. <i>Macromolecules</i> , 1995, 28, 4768-4770.	2.2	33
196	Surface enrichment of the solution-cast poly(methyl methacrylate)/poly(vinyl acetate) blends. <i>Polymer</i> , 1995, 36, 1229-1234.	1.8	33
197	Paracrystalline Lattice Distortion in the Near-Surface Region of Melt-Crystallized Polyethylene Films Evaluated by Synchrotron-Sourced Grazing-Incidence X-ray Diffraction. <i>Macromolecules</i> , 2003, 36, 5905-5907.	2.2	33
198	Structure and Surface Properties of High-density Polyelectrolyte Brushes at the Interface of Aqueous Solution. <i>Macromolecular Symposia</i> , 2009, 279, 79-87.	0.4	33

#	ARTICLE	IF	CITATIONS
199	Preparation of poly(lactic-acid)-particle stabilized liquid marble and the improvement of its stability by uniform shell formation through solvent vapor exposure. <i>RSC Advances</i> , 2013, 3, 7862.	1.7	33
200	Investigating the Mechanistic and Structural Role of Lipid Hydrolysis in the Stabilization of Ammonia-Preserved <i>Hevea</i> Rubber Latex. <i>Langmuir</i> , 2018, 34, 12730-12738.	1.6	33
201	Crystallization Behavior of Strongly Interacting Chains. <i>Macromolecules</i> , 2002, 35, 3117-3125.	2.2	32
202	Polyurethane Macroinitiator for Controlled Monomer Insertion of Styrene. <i>Macromolecules</i> , 2003, 36, 1494-1499.	2.2	32
203	UCST-Type Cononsolvency Behavior of Poly(2-methacryloxyethyl phosphorylcholine) in the Mixture of Water and Ethanol. <i>Polymer Journal</i> , 2008, 40, 479-483.	1.3	32
204	Isotactic polystyrene nanorods with gradient crystallite states. <i>Soft Matter</i> , 2012, 8, 3180.	1.2	32
205	High-Performance Type Electrical Memory and Morphology-Induced Memory-Mode Tuning of a Well-Defined Brush Polymer Bearing Perylene Diimide Moieties. <i>Advanced Electronic Materials</i> , 2015, 1, 1500197.	2.6	32
206	Salt Dependence of the Chain Stiffness and Excluded-Volume Strength for the Polymethacrylate-Type Sulfopropylbetaine in Aqueous NaCl Solutions. <i>Macromolecules</i> , 2015, 48, 7194-7204.	2.2	32
207	Effect of polycation in subphase on aggregation structure of monolayer and Langmuir-Blodgett film of anionic amphiphile. <i>Langmuir</i> , 1993, 9, 760-765.	1.6	31
208	Scanning force microscopic study of surface structure and properties of (alkylsilane) Tj ETQq0 0 0 rgBT /Overlock 10,Tf 50 382 Td (fluor	0.7	31
209	Instrumental design and performance of a new pulsed-neutron reflectometer (ARISA) at KENS for studying free surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s264-s266.	1.1	31
210	Dimension of Poly(2-methacryloyloxyethyl phosphorylcholine) in Aqueous Solutions with Various Ionic Strength. <i>Chemistry Letters</i> , 2006, 35, 1310-1311.	0.7	31
211	Dynamic covalent polymer brushes: reversible surface modification of reactive polymer brushes with alkoxyamine-based dynamic covalent bonds. <i>Polymer Chemistry</i> , 2012, 3, 3077.	1.9	31
212	Preparation and Characterization of Imogolite/DNA Hybrid Hydrogels. <i>Biomacromolecules</i> , 2012, 13, 276-281.	2.6	31
213	Structural effects of catechol-containing polystyrene gels based on a dual cross-linking approach. <i>Soft Matter</i> , 2013, 9, 1967-1974.	1.2	31
214	Gelation and adhesion behavior of mussel adhesive protein mimetic polymer. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1058-1065.	2.5	31
215	Interferometry Study of Aqueous Lubrication on the Surface of Polyelectrolyte Brush. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20365-20371.	4.0	31
216	Formation mechanism of n-octadecyltrichlorosilane monolayer prepared at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 169, 295-306.	2.3	30

#	ARTICLE	IF	CITATIONS
217	Preparation and properties of PVC/PMMA-g-imogolite nanohybrid via surface-initiated radical polymerization. <i>Polymer</i> , 2011, 52, 5543-5550.	1.8	30
218	Precise control of surface physicochemical properties for electrospun fiber mats by surface-initiated radical polymerization. <i>Polymer Journal</i> , 2011, 43, 838-848.	1.3	30
219	Micelles consisting of choline phosphate-bearing Calix[4]arene lipids. <i>Soft Matter</i> , 2014, 10, 8216-8223.	1.2	30
220	Microphase-separated structure and mechanical properties of cycloaliphatic diisocyanate-based thiourethane elastomers. <i>Polymer Journal</i> , 2019, 51, 265-273.	1.3	30
221	Synthesis of well-defined poly(styrene)-b-poly(p-tert-butoxystyrene) multiblock copolymer from poly(alkoxyamine) macroinitiator. <i>Polymer</i> , 2003, 44, 7095-7101.	1.8	29
222	Synthesis, Characterization and Drug Release of Biocompatible/Biodegradable Non-toxic Poly(urethane urea)s Based on Poly(ϵ -caprolactone)s and Lysine-Based Diisocyanate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1483-1502.	1.9	29
223	Ion-Specific Hydration States of Zwitterionic Poly(sulfobetaine methacrylate) Brushes in Aqueous Solutions. <i>Langmuir</i> , 2019, 35, 1583-1589.	1.6	29
224	Cast multilayer films from polymerizable lipids. <i>Macromolecules</i> , 1987, 20, 29-33.	2.2	28
225	Spectroscopic and Electrochemical Characterizations of Dilithium Octacyanophthalocyanine Langmuir-Blodgett Films. <i>Langmuir</i> , 2002, 18, 2223-2228.	1.6	28
226	Characterization of Novel Biodegradable Segmented Polyurethanes Prepared from Amino-Acid Based Diisocyanate. <i>Macromolecular Symposia</i> , 2005, 224, 207-218.	0.4	28
227	Surface and Interfacial Segregation in Blends of Polystyrene with Functional End Groups and Deuterated Polystyrene. <i>Langmuir</i> , 2007, 23, 7269-7275.	1.6	28
228	Film formation from polymer solution using inkjet printing method. <i>AIChE Journal</i> , 2007, 53, 1100-1108.	1.8	28
229	Solvent-Controlled Formation of Star-like Nanogels via Dynamic Covalent Exchange of PSt- <i>b</i> -PMMA Diblock Copolymers with Alkoxyamine Units in the Side Chain. <i>Macromolecules</i> , 2010, 43, 5470-5473.	2.2	28
230	Scaffold for Growing Dense Polymer Brushes from a Versatile Substrate. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3648-3653.	4.0	28
231	Programmed Formation of Nanogels via a Radical Crossover Reaction of Complementarily Reactive Diblock Copolymers. <i>Chemistry Letters</i> , 2007, 36, 774-775.	0.7	27
232	Two-dimensional alignment of imogolite on a solid surface. <i>Chemical Communications</i> , 2007, , 2917.	2.2	27
233	Precise Synthesis of Poly(methyl methacrylate) Brush with Well-Controlled Stereoregularity Using a Surface-Initiated Living Anionic Polymerization Method. <i>Macromolecules</i> , 2016, 49, 2071-2076.	2.2	27
234	Aqueous lubrication of poly(etheretherketone) via surface-initiated polymerization of electrolyte monomers. <i>Polymer</i> , 2017, 116, 549-555.	1.8	27

#	ARTICLE	IF	CITATIONS
235	Facile synthesis of multiblock copolymers composed of poly(tetramethylene oxide) and polystyrene using living free-radical polymerization macroinitiator. <i>Polymer</i> , 2006, 47, 3784-3791.	1.8	26
236	Advanced Neutron Reflectometer for Investigation on Dynamic/Static Structures of Soft-Interfaces in J-PARC. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012017.	0.3	26
237	Mesh-size control and functionalization of reorganizable chemical gels by monomer insertion into their cross-linking points. <i>Polymer Chemistry</i> , 2011, 2, 957.	1.9	26
238	Unique Difference in Transition Temperature of Two Similar Fluorinated Side Chain Polymers Forming Hexatic Smectic Phase: Poly{2-(perfluorooctyl)ethyl acrylate} and Poly{2-(perfluorooctyl)ethyl vinyl ether}. <i>Macromolecules</i> , 2014, 47, 3860-3870.	2.2	26
239	Investigation of Deformation Behavior of Thiourethane Elastomers Using In Situ X-ray Scattering, Diffraction, and Absorption Methods. <i>Macromolecules</i> , 2019, 52, 6825-6833.	2.2	26
240	Hydration State Variation of Polyzwitterion Brushes through Interplay with Ions. <i>Langmuir</i> , 2020, 36, 9015-9024.	1.6	26
241	Title is missing!. <i>Kobunshi Ronbunshu</i> , 1982, 39, 203-211.	0.2	25
242	In situ atomic force microscopic observation of albumin adsorption onto phase-separated organosilane monolayer surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 111-120.	1.9	25
243	Effect of chain end group on surface glass transition temperature of thin polymer film. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 281, 363-367.	0.9	25
244	Effect of aggregation state on nanotribological behaviors of organosilane monolayers. <i>Ultramicroscopy</i> , 2002, 91, 203-213.	0.8	25
245	Surface depth analysis for fluorinated block copolymer films by X-ray photoelectron spectroscopy using C60 cluster ion beam. <i>Applied Surface Science</i> , 2008, 254, 5435-5438.	3.1	25
246	Surface Modification of Polypropylene Molded Sheets by Means of Surface-Initiated ATRP of Methacrylates. <i>Polymer Journal</i> , 2009, 41, 547-554.	1.3	25
247	Preparation of Poly(vinylidene fluoride-co-trifluoroethylene) Film with a Hydrophilic Surface by Direct Surface-initiated Atom Transfer Radical Polymerization without Pretreatment. <i>Chemistry Letters</i> , 2009, 38, 446-447.	0.7	25
248	Measurement of the Electrostatic Interaction between Polyelectrolyte Brush Surfaces by Optical Tweezers. <i>Langmuir</i> , 2013, 29, 16093-16097.	1.6	24
249	Confinement-Induced Crystal Growth in One-Dimensional Isotactic Polystyrene Nanorod Arrays. <i>ACS Macro Letters</i> , 2013, 2, 414-418.	2.3	24
250	Interphase structure of carbon fiber reinforced polyamide 6 revealed by microbeam X-ray diffraction with synchrotron radiation. <i>Polymer</i> , 2016, 89, 154-158.	1.8	24
251	Enhanced Adhesion Effect of Epoxy Resin on Metal Surfaces Using Polymer with Catechol and Epoxy Groups. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1500-1507.	2.0	24
252	Single-Lap Joints Bonded with Epoxy Nanocomposite Adhesives: Effect of Organoclay Reinforcement on Adhesion and Fatigue Behaviors. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3428-3437.	2.0	24

#	ARTICLE	IF	CITATIONS
253	Higher Order Structure and Thermo-Responsive Properties of Polymeric Gel with Crystalline Side Chains. <i>Polymer Journal</i> , 1996, 28, 452-457.	1.3	23
254	Electric field induced structural change for poly(vinylidene fluoride-co-trifluoroethylene) ultrathin films studied by scanning Maxwell stress microscope. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998, 16, 121.	1.6	23
255	Aggregation structure and molecular motion of (glass-fiber/matrix nylon 66) interface in short glass-fiber reinforced nylon 66 composites. <i>Polymer</i> , 2002, 43, 4055-4062.	1.8	23
256	Surface Relaxation Processes of Poly(methyl methacrylate) Brushes Prepared by Atom Transfer Radical Polymerization. <i>Polymer Journal</i> , 2003, 35, 44-49.	1.3	23
257	Enhanced Absorption and Emission in a Copper Phthalocyanineâ€“Gold Nanoparticle System Assisted by Localized Surface Plasmon. <i>Chemistry Letters</i> , 2009, 38, 326-327.	0.7	23
258	Generality of anomalous expansion of polymer chains in supercritical fluids. <i>Polymer</i> , 2011, 52, 4331-4336.	1.8	23
259	Synthesis and Characterization of a Calix[4]arene Amphiphilie Bearing Cysteine and Uniform Au Nanoparticle Formation Templated by its Four Cysteine Moieties. <i>Langmuir</i> , 2013, 29, 13666-13675.	1.6	23
260	Surface Functionalization by Decal-like Transfer of Thermally Cross-Linked Urushiol Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18517-18524.	4.0	23
261	Counteranion-Specific Hydration States of Cationic Polyelectrolyte Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5268-5275.	1.8	23
262	Probing the in-plane liquid-like behavior of liquid crystal elastomers. <i>Science Advances</i> , 2021, 7, .	4.7	23
263	Fatigue Fracture Behavior of Solid-State Extruded High-Density Polyethylene. <i>Polymer Journal</i> , 1989, 21, 523-531.	1.3	22
264	Effect of polyurethane surface chemistry on its lipid sorption behavior. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1994, 5, 183-196.	1.9	22
265	Effect of Internal Bulk Phase on Surface Viscoelastic Properties by Scanning Probe Microscopy. <i>Macromolecules</i> , 2001, 34, 6420-6423.	2.2	22
266	The space of left-invariant metrics on a Lie group up to isometry and scaling. <i>Manuscripta Mathematica</i> , 2011, 135, 229-243.	0.3	22
267	Abnormalities of Stromal Structure in the Bullous Keratopathy Cornea Identified by Second Harmonic Generation Imaging Microscopy. , 2012, 53, 4998.		22
268	X-ray photon correlation spectroscopy using a fast pixel array detector with a grid mask resolution enhancer. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 988-993.	1.0	22
269	Surface and Interface Analyses of Polymer Brushes by Synchrotron Radiation. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 021014.	0.7	22
270	Superamphiphobic Coatings from Combination of a Biomimetic Catecholâ€“Bearing Fluoropolymer and Halloysite Nanotubes. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700907.	1.9	22

#	ARTICLE	IF	CITATIONS
271	Film formation process of natural rubber latex particles: roles of the particle size and distribution of non-rubber species on film microstructure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 592, 124571.	2.3	22
272	Effects of Ester Side Chain Structure on Gas Permeation Behavior of Poly(dialkylfumarate)s. <i>Polymer Journal</i> , 1989, 21, 433-438.	1.3	21
273	Tunable Metallization by Assembly of Metal Nanoparticles in Polymer Thin Films by Photo- or Electron Beam Lithography. <i>Langmuir</i> , 2005, 21, 9352-9358.	1.6	21
274	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1986, 187, 943-953.	1.1	20
275	Effect of end group of side chains on surface properties of diblock copolymers. <i>Polymer Bulletin</i> , 1990, 24, 333-340.	1.7	20
276	Influence of the addition of silsesquioxane on the dewetting behavior of polystyrene thin film. <i>Composite Interfaces</i> , 2004, 11, 297-306.	1.3	20
277	Surface Modification of Individual Imogolite Nanotubes with Alkyl Phosphate from an Aqueous Solution. <i>Chemistry Letters</i> , 2011, 40, 159-161.	0.7	20
278	Surface functionalization of aluminosilicate nanotubes with organic molecules. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 82-100.	1.5	20
279	Transmission electron microtomography in soft materials. <i>Microscopy (Oxford, England)</i> , 2013, 62, 243-258.	0.7	20
280	Multifunctional photo-crosslinked polymeric ionic hydrogel films. <i>Polymer Chemistry</i> , 2014, 5, 2824-2835.	1.9	20
281	Preparation and characterization of polycarbonate nanocomposites based on surface-modified halloysite nanotubes. <i>Polymer Journal</i> , 2014, 46, 307-312.	1.3	20
282	Spray-Assisted Nanocoating of the Biobased Material Urushiol. <i>Langmuir</i> , 2015, 31, 2360-2365.	1.6	20
283	Structural Analysis of Microphase Separated Interface in an ABC-Type Triblock Terpolymer by Combining Methods of Synchrotron-Radiation Grazing Incidence Small-Angle X-ray Scattering and Electron Microtomography. <i>Macromolecules</i> , 2015, 48, 2697-2705.	2.2	20
284	Swollen structure and electrostatic interactions of polyelectrolyte brush in aqueous solution. <i>Polymer</i> , 2016, 98, 464-469.	1.8	20
285	Nanocomposite Elastomers Composed of Silica Nanoparticles Grafted with a Comb-Shaped Copolymer Brush. <i>Macromolecules</i> , 2019, 52, 5963-5970.	2.2	20
286	<i>In Situ</i> Synchrotron Radiation X-ray Scattering Investigation of a Microphase-Separated Structure of Thermoplastic Elastomers under Uniaxial and Equi-Biaxial Deformation Modes. <i>Macromolecules</i> , 2020, 53, 8901-8909.	2.2	20
287	Fabrication and Deformation of Mechanochromic Nanocomposite Elastomers Based on Rubbery and Glassy Block Copolymer-Grafted Silica Nanoparticles. <i>Macromolecules</i> , 2020, 53, 4541-4551.	2.2	20
288	Tailoring Multistimuli Responsive Micropatterns Activated by Various Mechanical Modes. <i>Advanced Functional Materials</i> , 2021, 31, 2100612.	7.8	20

#	ARTICLE	IF	CITATIONS
289	<title>Polymer/(liquid crystal) composite systems for novel electro-optical effects</title>. , 1992, , .		19
290	Analysis of Fatigue Behavior of High-Density Polyethylene Based on Nonlinear Viscoelastic Measurement under Cyclic Fatigue. <i>Polymer Journal</i> , 1993, 25, 721-729.	1.3	19
291	Relationships between nonlinear dynamic viscoelasticity and fatigue behaviors of glassy polymer under various fatigue test conditions. <i>Polymer Bulletin</i> , 1996, 36, 477-482.	1.7	19
292	Thermal Degradation Behavior of Polystyrene/Magadiite Nanocomposites Prepared by Surface-initiated Nitroxide-Mediated Radical Polymerization. <i>Polymer Journal</i> , 2009, 41, 555-561.	1.3	19
293	Preparation of hybrid films of aluminosilicate nanofiber and conjugated polymer. <i>Synthetic Metals</i> , 2009, 159, 885-888.	2.1	19
294	Manipulation of surface properties: the use of nanomembrane as a nanometre-thick decal. <i>Soft Matter</i> , 2011, 7, 1856-1860.	1.2	19
295	Conversion of poly(ethylene- <i>i>alt</i> </i>-tetrafluoroethylene) copolymers into polytetrafluoroethylene by direct fluorination: A convenient approach to access new properties at the ETFE surface. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1517-1527.	2.5	19
296	Characterization of Swollen States of Polyelectrolyte Brushes in Salt Solution by Neutron Reflectivity. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012019.	0.3	19
297	Microscopy and microbeam X-ray analyses in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with amorphous poly(vinyl acetate). <i>Polymer</i> , 2014, 55, 6906-6914.	1.8	19
298	Control of the primary and secondary structure of polymer brushes by surface-initiated living/controlled polymerization. <i>Polymer Chemistry</i> , 2017, 8, 5456-5468.	1.9	19
299	Organic-Inorganic Hybrid Thin Films Fabricated by Layer-by-Layer Assembly of the Phosphorylated Cellulose Nanocrystal and Imogilite Nanotubes. <i>Langmuir</i> , 2018, 34, 13361-13367.	1.6	19
300	Influence of water evaporation/absorption on the stability of glycerol-water marbles. <i>RSC Advances</i> , 2019, 9, 34465-34471.	1.7	19
301	State of aggregation and surface chemical composition of composite thin films composed of poly(vinyl alcohol) and fluorocarbon amphiphile. <i>Macromolecules</i> , 1988, 21, 2443-2446.	2.2	18
302	Analysis of Solid-Water Interfacial Structure of Polymeric Solids Based on Freeze-Etch X-Ray Photoelectron Spectroscopy.. <i>Kobunshi Ronbunshu</i> , 1992, 49, 275-280.	0.2	18
303	Studies on the tumor-promoting activity of polyurethanes: Depletion of inhibitory action of metabolic cooperation on the surface of a polyalkyleneurethane but not a polyetherurethane. <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 835-841.	3.0	18
304	Anisotropic-to-Isotropic Change in Lateral Force at the Surface of Single-Crystal Lamellae of High-Density Polyethylene during Low-Temperature Annealing. <i>Macromolecules</i> , 2004, 37, 5115-5117.	2.2	18
305	Macro- and nanotribological properties of organosilane monolayers prepared by a chemical vapor adsorption method on silicon substrates. <i>Tribology Letters</i> , 2005, 19, 3-8.	1.2	18
306	Dewetting Inhibition and Interfacial Structures of Silsesquioxane-terminated Polystyrene Thin Films. <i>Polymer Journal</i> , 2007, 39, 1247-1252.	1.3	18

#	ARTICLE	IF	CITATIONS
307	Room-temperature fabrication of nanotexture in crystalline poly(fluoroalkyl acrylate) thin film. <i>Soft Matter</i> , 2008, 4, 1400.	1.2	18
308	Reversibly Crosslinked Polymeric Micelles Formed by Autonomously Exchangeable Dynamic Covalent Bonds. <i>Chemistry Letters</i> , 2013, 42, 377-379.	0.7	18
309	Effects of main chain rigidity on nonlinear dynamic viscoelasticity and fatigue performance for polymeric fibres. <i>Polymer</i> , 1998, 39, 5387-5392.	1.8	17
310	Fabrication and characterization of multi-component organosilane nanofilms. <i>Composite Interfaces</i> , 2003, 10, 489-504.	1.3	17
311	In situ investigation of annealing effect on lamellar stacking structure of polyethylene thin films by synchrotron grazing-incidence small-angle and wide-angle X-ray scattering. <i>Journal of Applied Crystallography</i> , 2007, 40, s642-s644.	1.9	17
312	Substitutable Polymer Brushes: Reactive Poly(methacrylate) Brushes with Exchangeable Alkoxyamine Units in the Side Chain. <i>Chemistry Letters</i> , 2010, 39, 1209-1211.	0.7	17
313	Highly oriented and ordered double-helical morphology in ABC triblock terpolymer films up to micrometer thickness by solvent evaporation. <i>Polymer Journal</i> , 2012, 44, 567-572.	1.3	17
314	Molecular design of environmentally benign segmented polyurethane(urea)s: effect of the hard segment component on the molecular aggregation states and biodegradation behavior. <i>Polymer Chemistry</i> , 2013, 4, 3735.	1.9	17
315	Fabrication of NIR-Excitable SERS-Active Composite Particles Composed of Densely Packed Au Nanoparticles on Polymer Microparticles. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 441-447.	1.2	17
316	Molecular aggregation states and wetting behavior of a poly{2-(perfluorooctyl)ethyl acrylate} brush-immobilized nano-imprinted surface. <i>Polymer</i> , 2015, 69, 10-16.	1.8	17
317	Ion-Specific Modulation of Interfacial Interaction Potentials between Solid Substrates and Cell-Sized Particles Mediated via Zwitterionic, Super-Hydrophilic Poly(sulfobetaine) Brushes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1396-1404.	1.2	17
318	Design of High-Density Helical Polymer Brush on Silica Nanoparticles for the Size Recognition of Fullerene Molecules. <i>ACS Macro Letters</i> , 2018, 7, 148-152.	2.3	17
319	Advantages of bulge testing and rupture mechanism of glassy polymer films. <i>Polymer</i> , 2019, 179, 121632.	1.8	17
320	Preparation and characterization of boronic acid- functionalized halloysite nanotube/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.8	17
321	Aggregation structure and fatigue characteristics of (nylon 6/clay) hybrid. <i>Composite Interfaces</i> , 1998, 6, 247-258.	1.3	16
322	Title is missing!. <i>Journal of Materials Science</i> , 2002, 37, 4801-4809.	1.7	16
323	Site-selective Coating of Polymer Thin Film Prepared by the Ink-jet Method on the Patterned Fluoroalkylsilane Monolayer Substrate. <i>Chemistry Letters</i> , 2005, 34, 916-917.	0.7	16
324	Gradient composition distribution in poly(2,6-dimethylphenylene oxide)/polystyrene blend nanorods. <i>Soft Matter</i> , 2011, 7, 1868-1873.	1.2	16

#	ARTICLE	IF	CITATIONS
325	Synthesis of TiO ₂ Nanocoral Structures in Ever-Changing Aqueous Reaction Systems. <i>Langmuir</i> , 2012, 28, 2637-2642.	1.6	16
326	THUP: A P2P Network Robust to Churn and DoS Attack Based on Bimodal Degree Distribution. <i>IEEE Journal on Selected Areas in Communications</i> , 2013, 31, 247-256.	9.7	16
327	Surface texturing of natural "urushi"™ thermosetting polymer thin films. <i>Polymer Journal</i> , 2014, 46, 216-219.	1.3	16
328	Thermodynamic Control of Diameter-Modulated Aluminosilicate Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8148-8152.	1.5	16
329	Tuning Surface Wettability at the Submicron-Scale: Effect of Focused Ion Beam Irradiation on a Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , 2016, 120, 274-280.	1.5	16
330	<i>In situ</i> ultra-small-angle X-ray scattering study under uniaxial stretching of colloidal crystals prepared by silica nanoparticles bearing hydrogen-bonding polymer grafts. <i>IUCr</i> , 2016, 3, 211-218.	1.0	16
331	Aggregation State-Permeation Characteristic Relationships of Self-Supported Liquid Crystalline Membranes. <i>Polymer Journal</i> , 1991, 23, 347-356.	1.3	15
332	Mechanical nanofabrication of lignoceric acid monolayer with atomic force microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2001, 19, 593.	1.6	15
333	Fabrication of Three-component Micropatterned Organosilane Monolayer by a Stepwise Photolithography Process. <i>Chemistry Letters</i> , 2002, 31, 1196-1197.	0.7	15
334	Fabrication of Conjugated Polymer Hybrid Thin Films with Radially Oriented Aluminosilicate Nanofibers by Spin-Assembly. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1663-1668.	2.0	15
335	Arm-replaceable star-like nanogels: arm detachment and arm exchange reactions by dynamic covalent exchanges of alkoxyamine units. <i>Polymer Journal</i> , 2010, 42, 860-867.	1.3	15
336	Chain dimensions in free and immobilized brush states of polysulfobetaine in aqueous solution at various salt concentrations. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012010.	0.3	15
337	Chain-mixing behavior at interface between polystyrene brushes and polystyrene matrices. <i>Polymer Journal</i> , 2013, 45, 117-123.	1.3	15
338	Precise Synthesis and Surface Wettability of a Polymer with Liquid Crystalline Side Chains. <i>Macromolecules</i> , 2014, 47, 4901-4907.	2.2	15
339	Solvent free oxidative coupling polymerization of 3-hexylthiophene (3HT) in the presence of FeCl ₃ particles. <i>RSC Advances</i> , 2016, 6, 111993-111996.	1.7	15
340	Tribological properties of cross-linked oleophilic polymer brushes on diamond-like carbon films. <i>Polymer</i> , 2016, 89, 128-134.	1.8	15
341	Direct surface modification of poly(VDF-co-TrFE) films by surface-initiated ATRP without pretreatment. <i>RSC Advances</i> , 2016, 6, 86373-86384.	1.7	15
342	Molecular Aggregation States and Physical Properties of Syndiotactic Polystyrene/Hydrogenated Polyisoprene Multiblock Copolymers with Crystalline Hard Domain. <i>Macromolecules</i> , 2017, 50, 6184-6191.	2.2	15

#	ARTICLE	IF	CITATIONS
343	Direct polymer brush grafting to polymer fibers and films by surface-initiated polymerization. <i>Polymer Journal</i> , 2018, 50, 101-108.	1.3	15
344	Functionalization of Metal Surface via Thiol-ene Click Chemistry: Synthesis, Adsorption Behavior, and Postfunctionalization of a Catechol- and Allyl-Containing Copolymer. <i>ACS Omega</i> , 2020, 5, 7488-7496.	1.6	15
345	Effect of End Group-Substrate Interaction on Aggregation Structure of Polystyrene Ultrathin Films. <i>Polymer Journal</i> , 1999, 31, 89-95.	1.3	14
346	Determination Factors on Surface Glass Transition Temperatures of Polymeric Solids. <i>High Performance Polymers</i> , 2000, 12, 587-597.	0.8	14
347	Stabilization of Polystyrene Thin Films against Dewetting by Silsesquioxane-terminated Polystyrene Additives. <i>Chemistry Letters</i> , 2006, 35, 1098-1099.	0.7	14
348	Preparation and Surface Properties of Poly(vinyl alcohol) Brush. <i>Chemistry Letters</i> , 2007, 36, 1280-1281.	0.7	14
349	Molecular Aggregation State and Electrical Properties of Terthiophenes/Imogolite Nanohybrids. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 893-902.	2.0	14
350	Direct Controlled Polymerization of Ionic Monomers by Surface-Initiated ATRP Using a Fluoroalcohol and Ionic Liquids. <i>Israel Journal of Chemistry</i> , 2012, 52, 364-374.	1.0	14
351	Preparation of novel polyimide hybrid materials by multi-layered charge-transfer complex formation. <i>Polymer Journal</i> , 2013, 45, 839-844.	1.3	14
352	Molecular simulation of 2-dimensional microphase separation of single-component homopolymers grafted onto a planar substrate. <i>Europhysics Letters</i> , 2013, 101, 16006.	0.7	14
353	Reversible cross-linking reactions of alkoxyamine-appended polymers under bulk conditions for transition between flow and rubber-like states. <i>Polymer</i> , 2014, 55, 1474-1480.	1.8	14
354	Effects of aspect ratio and concentration on rheology of epoxy suspensions containing model plate-like nanoparticles. <i>Physics of Fluids</i> , 2015, 27, 123306.	1.6	14
355	Direct Characterization of In-Plane Phase Separation in Polystyrene Brush/Cyclohexane System. <i>Macromolecules</i> , 2016, 49, 4862-4866.	2.2	14
356	An effect of surface segregation of polyhedral oligomeric silsesquioxanes on surface physical properties of acrylic hard coating materials. <i>Polymer</i> , 2016, 84, 81-88.	1.8	14
357	Strain-induced molecular aggregation states around a crack tip in a segmented polyurethane film under uniaxial stretching. <i>Polymer</i> , 2017, 116, 458-465.	1.8	14
358	Polymer coating glass to improve the protein antifouling effect. <i>Polymer Journal</i> , 2018, 50, 381-388.	1.3	14
359	Application of Synchrotron Radiation X-ray Scattering and Spectroscopy to Soft Matter. <i>Polymers</i> , 2020, 12, 1624.	2.0	14
360	Synthesis of a conductive polymer thin film having a choline phosphate side group and its bioadhesive properties. <i>Chemical Communications</i> , 2020, 56, 2691-2694.	2.2	14

#	ARTICLE	IF	CITATIONS
361	Effect of aggregation structure on non-linear dynamic viscoelastic characteristics of oriented high-density polyethylenes under cyclic fatigue. <i>Polymer</i> , 1997, 38, 5195-5201.	1.8	13
362	Preparation and characterization of cross-linked β -cyclodextrin polymer/Fe ₃ O ₄ composite nanoparticles with core-shell structures. <i>Chinese Chemical Letters</i> , 2011, 22, 217-220.	4.8	13
363	Chain Conformation of Poly[2-(methacryloyloxy)ethyltrimethylammonium chloride] in Aqueous Sodium Chloride Solutions. <i>Macromolecules</i> , 2013, 46, 4081-4088.	2.2	13
364	Preparation and characterization of looped polydimethylsiloxane brushes. <i>Polymer Journal</i> , 2014, 46, 117-122.	1.3	13
365	X-ray Computerized Tomography Observation of the Interfacial Structure of Liquid Marbles. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 84-88.	2.0	13
366	Synthesis and Characterization of Barnacle Adhesive Mimetic towards Underwater Adhesion. <i>Chemistry Letters</i> , 2015, 44, 1047-1049.	0.7	13
367	Surface Functionalization of Electrospun Poly(butylene terephthalate) Fibers by Surface-Initiated Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1103-1108.	1.1	13
368	Fully Liquid-Crystalline ABA Triblock Copolymer of Fluorinated Side-Chain Liquid-Crystalline A Block and Main-Chain Liquid-Crystalline B Block: Higher Order Structure in Bulk and Thin Film States. <i>Macromolecules</i> , 2016, 49, 6061-6074.	2.2	13
369	Design and characterization of hybrid hydrogels composed of imogolite fibrous nanotubular clay and hyaluronic acid. <i>Polymer</i> , 2016, 100, 238-243.	1.8	13
370	<i>In situ</i> synchrotron radiation X-ray diffraction studies on molecular aggregation structure of nylon 12 films during bulge testing. <i>Soft Matter</i> , 2018, 14, 1659-1664.	1.2	13
371	Organic-Inorganic Hybrid Films Fabricated from Cellulose Fibers and Imogolite Nanotubes. <i>Biomacromolecules</i> , 2019, 20, 3566-3574.	2.6	13
372	Lamellar orientation in isotactic polypropylene thin films: a complement study via grazing incidence X-ray diffraction and surface/cross-sectional imaging. <i>Polymer Journal</i> , 2019, 51, 183-188.	1.3	13
373	Mechanical Stabilization of Deoxyribonucleic Acid Solid Films Based on Hydrated Ionic Liquid. <i>Biomacromolecules</i> , 2020, 21, 464-471.	2.6	13
374	Complex Network Representation of the Structure-Mechanical Property Relationships in Elastomers with Heterogeneous Connectivity. <i>Patterns</i> , 2020, 1, 100135.	3.1	13
375	Synthesis and Hydration Behavior of a Hydrolysis-Resistant Quasi-Choline Phosphate Zwitterionic Polymer. <i>Biomacromolecules</i> , 2020, 21, 2125-2131.	2.6	13
376	Influence of Aqueous Environment on Surface Molecular Mobility and Surface Microphase Separated Structure of Segmented Poly(ether urethanes) and Segmented Poly(ether urethane ureas). , 1990, , 217-228.		13
377	Photoelectron Mean Free Path in Langmuir-Blodgett Film Estimated from Angular Dependence of X-Ray Photoelectron Spectra. <i>Chemistry Letters</i> , 1987, 16, 1737-1740.	0.7	12
378	Effect of chain end group hydrophobicity on surface aggregation structure of poly(styrene-block-4-vinylpyridine) symmetric diblock copolymer films. <i>Polymer</i> , 1998, 39, 2615-2620.	1.8	12

#	ARTICLE	IF	CITATIONS
379	Novel Method to Prepare Organosilane Monolayers on Solid Substrate. Bulletin of the Chemical Society of Japan, 2001, 74, 1397-1401.	2.0	12
380	Analysis of surface mobility in polystyrene films with monodisperse and bimodal molecular weights by lateral force microscopy. Journal of Polymer Science Part A, 2004, 42, 639-647.	2.5	12
381	Rational model for chiral recognition in a silica-based chiral column: chiral recognition of N-(3,5-dinitrobenzoyl)phenylglycine-terminated alkylsilane monolayer by 2,2,2-trifluoro-1-(9-anthryl)ethanol derivatives by chemical force microscopy. Journal of Physical Organic Chemistry, 2005, 18, 957-961.	0.9	12
382	Analysis of Molecular Aggregation States in Pentacene Thin Films Prepared from Soluble Precursor. Chemistry Letters, 2006, 35, 1162-1163.	0.7	12
383	Surface Molecular Aggregation Structure and Surface Properties of Poly (fluoroalkyl acrylate) Thin Films. Kobunshi Ronbunshu, 2007, 64, 181-190.	0.2	12
384	Substrate effect on mechanical relaxation of polystyrene in ultrathin films. European Physical Journal: Special Topics, 2007, 141, 173-180.	1.2	12
385	Surface molecular aggregation structure and surface physicochemical properties of poly(fluoroalkyl acrylate) thin films. Journal of Physics: Conference Series, 2008, 100, 012035.	0.3	12
386	Enhanced Interfacial Adhesion between an Amorphous Polymer (Polystyrene) and a Semicrystalline Polymer [a Polyamide (Nylon 6)]. ACS Applied Materials & Interfaces, 2011, 3, 2622-2629.	4.0	12
387	Molecular composition distribution of polycarbonate/polystyrene blends in cylindrical nanopores. Polymer Journal, 2011, 43, 600-605.	1.3	12
388	Characterization of an isotactic polystyrene/poly(2,6-dimethylphenylene oxide) nanorod blend with gradient composition and crystallinity. RSC Advances, 2012, 2, 8707.	1.7	12
389	Radical crossover reactions of a dynamic covalent polymer brush for reversible hydrophilicity control. Polymer, 2014, 55, 4586-4592.	1.8	12
390	Halloysite Nanotube/Polyelectrolyte Hybrids as Adsorbents for the Quick Removal of Dyes from Aqueous Solution. Chemistry Letters, 2015, 44, 1572-1574.	0.7	12
391	Interlayer structure and self-healing in suspensions of brush-stabilized nanoplatelets with smectic order. Soft Matter, 2015, 11, 954-971.	1.2	12
392	Direct Evaluation of Local Dynamic Viscoelastic Properties of Isotactic Polypropylene Films Based on a Dynamic μ -Beam X-ray Diffraction Method. ACS Macro Letters, 2019, 8, 218-222.	2.3	12
393	Molecular Design and Characterization of Ionic Monomers with Varying Ion Pair Interaction Energies. Macromolecules, 2020, 53, 1629-1637.	2.2	12
394	Effect of Crystalline Relaxation on Fatigue Behavior of the Oriented High-Density Polyethylene Based on Nonlinear Viscoelastic Measurements. Polymer Journal, 1994, 26, 1027-1036.	1.3	11
395	Effect of Cyclic Fatigue Conditions on Nonlinear Dynamic Viscoelasticity and Fatigue Behaviors for Short Glass-Fiber Reinforced Nylon 6. Polymer Journal, 2003, 35, 844-850.	1.3	11
396	Simultaneous imaging for surface and internal structure of polymer blend thin films. Applied Surface Science, 2008, 254, 3180-3183.	3.1	11

#	ARTICLE	IF	CITATIONS
397	TRIBOLOGICAL BEHAVIOR OF POLYMER BRUSH PREPARED BY THE "GRAFTING-FROM" METHOD. , 2009, , 582-602.		11
398	Synthesis and characterization of semi-interpenetrating polymer networks based on polyurethane and N-isopropylacrylamide for wound dressing. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 88B, 32-40.	1.6	11
399	Characterization of swollen structure of high-density polyelectrolyte brushes in salt solution by neutron reflectivity. Journal of Physics: Conference Series, 2009, 184, 012010.	0.3	11
400	Chemical and physical characterizations of spinel ferrite nanoparticles containing Nd and B elements. Journal of Colloid and Interface Science, 2010, 345, 143-148.	5.0	11
401	Effective Addition of Organic Chloride Salts on Atom Transfer Radical Polymerization in Fluoroalcohols. Macromolecules, 2013, 46, 9189-9196.	2.2	11
402	Precise characterization of outermost surface of crystalline-crystalline diblock copolymer thin films using synchrotron radiation soft X-ray photoelectron spectroscopy. Polymer Journal, 2014, 46, 637-640.	1.3	11
403	X-ray absorption fine structure study on the role of solvent on polymerization of hexylthiophene with solid FeCl ₃ particles. Journal of Polymer Science Part A, 2015, 53, 2075-2078.	2.5	11
404	Poly(dimethylsiloxane) (PDMS) surface patterning by biocompatible photo-crosslinking block copolymers. RSC Advances, 2015, 5, 46686-46693.	1.7	11
405	Orientation and crystallization of regioregular poly(3-dodecylthiophene) in alumina nanopores. Soft Matter, 2017, 13, 4661-4666.	1.2	11
406	Surface, thermal and mechanical characteristics of polymeric solids. Macromolecular Symposia, 1999, 143, 171-183.	0.4	10
407	SURFACE STRUCTURE AND PROPERTIES OF MULTICOMPONENT MICROPATTERNED ORGANOSILANE MONOLAYERS PREPARED BY STEPWISE PHOTODECOMPOSITION AND CHEMISORPTION PROCESS. International Journal of Nanoscience, 2002, 01, 419-423.	0.4	10
408	Influence of salt concentration on swelling states of poly(sulfobetaine) brush at aqueous solution interface. Journal of Physics: Conference Series, 2009, 184, 012011.	0.3	10
409	Preparation of superparamagnetic β -cyclodextrin-functionalized composite nanoparticles with core-shell structures. Polymer Bulletin, 2011, 66, 1125-1136.	1.7	10
410	Molecular self-assembly of nylon-12 nanorods cylindrically confined to nanoporous alumina. IUCr, 2014, 1, 439-445.	1.0	10
411	Advanced Soft Material Beamline Consortium at SPring-8 (FSBL). Synchrotron Radiation News, 2014, 27, 19-23.	0.2	10
412	Preparation and Morphology Variation of Lipophilic Polyelectrolyte Brush Functioning in Nonpolar Solvents. Chemistry Letters, 2014, 43, 1300-1302.	0.7	10
413	Dimensional Characterizations from Rod Stars to Brushes of Polymers with a Low Degree of Polymerization. Macromolecules, 2017, 50, 324-331.	2.2	10
414	Preparation of High-Density Polymer Brushes with a Multihelical Structure. Langmuir, 2018, 34, 3283-3288.	1.6	10

#	ARTICLE	IF	CITATIONS
415	Self-healing cellulose nanocrystal-stabilized droplets for water collection under oil. <i>Soft Matter</i> , 2018, 14, 9308-9311.	1.2	10
416	Structure and Properties of Hybrid Film Fabricated by Spin-Assisted Layer-by-Layer Assembly of Sacran and Imogilite Nanotubes. <i>Langmuir</i> , 2020, 36, 1718-1726.	1.6	10
417	Microdomain structure change and macroscopic mechanical response of styrenic triblock copolymer under cyclic uniaxial and biaxial stretching modes. <i>Polymer Journal</i> , 2021, 53, 703-712.	1.3	10
418	Effect of polyether components on surface composition and blood compatibility of segmented polyurethaneureas.. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1985, , 1293-1301.	0.1	10
419	Effect of Ester Side Chains on the Aggregation State and Surface Properties of Poly(dialkylfumarate)s. <i>Polymer Journal</i> , 1989, 21, 215-219.	1.3	9
420	Direct Observation of Surface Morphology and Surface Viscoelastic Properties of Polymeric Solids Based on Scanning Force Microscopy.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1995, 71, 75-80.	1.6	9
421	Fatigue Analysis of Short Glass Fibre-Reinforced Nylon 6 on the Basis of Dynamic Viscoelastic Measurements under Cyclic Fatigue. <i>Key Engineering Materials</i> , 1998, 137, 147-154.	0.4	9
422	Relationships between lateral force and viscoelastic properties for amorphous polymer films based on lateral force microscopy. <i>Polymer Bulletin</i> , 1997, 39, 369-376.	1.7	9
423	Effect of Chain End Group-Substrate Interaction on Surface Molecular Motion of Polystyrene Ultrathin Films. <i>Polymer Journal</i> , 1999, 31, 550-556.	1.3	9
424	Analysis of surface composition of isotopic polymer blend based on time-of-flight secondary ion mass spectroscopy. <i>Applied Surface Science</i> , 2003, 203-204, 538-540.	3.1	9
425	Imaging of Charged Micropatterned Monolayer Surfaces by Chemical Force Microscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1691-1698.	2.0	9
426	Phase Transition of Alkylsilane Monolayers Studied by Temperature-Dependent Grazing Incidence X-ray Diffraction. <i>Langmuir</i> , 2007, 23, 8861-8865.	1.6	9
427	Novel silver-loaded semi-interpenetrating polymer network gel films with antibacterial activity. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4950-4962.	2.5	9
428	Preparation and Surface Characterization of Surface-modified Electrospun Poly(methyl methacrylate) Copolymer Nanofibers. <i>Chemistry Letters</i> , 2010, 39, 1110-1111.	0.7	9
429	Surface patterned graft copolymerization of hydrophilic monomers onto hydrophobic polymer film upon UV irradiation. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2822-2829.	2.5	9
430	Diarylbibenzofuranone-Based Dynamic Covalent Polymer Gels Prepared via Radical Polymerization and Subsequent Polymer Reaction. <i>Gels</i> , 2015, 1, 58-68.	2.1	9
431	Interphase crystal structure of polyamide 6 on carbon materials revealed by grazing incidence X-ray diffraction with synchrotron radiation. <i>Polymer</i> , 2016, 97, 174-178.	1.8	9
432	Radical crossover reactions of alkoxyamine-based dynamic covalent polymer brushes on nanoparticles and the effect on their dispersibility. <i>Polymer Journal</i> , 2016, 48, 147-155.	1.3	9

#	ARTICLE	IF	CITATIONS
433	Elastomers built up through the π - π stacking association of polycyclic planar aromatic diimides. RSC Advances, 2017, 7, 46195-46200.	1.7	9
434	Separation of Endo-cyclic 2-Methacryloyloxyethyl Choline Phosphate by Anion Exchange Approach. Chemistry Letters, 2018, 47, 1509-1511.	0.7	9
435	Depth-Resolved Characterization of Perylenediimide Side-Chain Polymer Thin Film Structure Using Grazing-Incidence Wide-Angle X-ray Diffraction with Tender X-rays. Langmuir, 2018, 34, 8516-8521.	1.6	9
436	Enhanced adhesion effect of epoxy resin on carbon fiber-reinforced Poly(etheretherketone) via surface initiated photopolymerization of glycidyl methacrylate. Polymer, 2020, 209, 123036.	1.8	9
437	Cationic Polymer Brush/Giant Polysaccharide Sacran Assembly: Structure and Lubricity. Langmuir, 2020, 36, 6494-6501.	1.6	9
438	Photo-controlled active transport of cations through polymer/liquid crystal/photoresponsive crown ether ternary composite thin films.. Kobunshi Ronbunshu, 1986, 43, 669-675.	0.2	8
439	Effect of Main-Chain Rigidity on Fatigue Behavior of Polymeric Fibers Based on Zone Nonlinear Viscoelastic Analysis. Polymer Journal, 1996, 28, 801-807.	1.3	8
440	Surface aggregation structure and surface mechanical properties of binary polymer blend thin films. Macromolecular Symposia, 2000, 159, 89-96.	0.4	8
441	Aggregation Structure and Surface Properties of 18-Nonadecenyltrichlorosilane Monolayer and Multilayer Films Prepared by the Langmuir Method. ACS Symposium Series, 2000, , 332-352.	0.5	8
442	Scanning force microscopic study of protein adsorption on the surface of organosilane monolayers prepared by the Langmuir-Blodgett method. Macromolecular Symposia, 2001, 167, 271-284.	0.4	8
443	Thin Silica Film with a Network Structure as Prepared by Surface Sol-Gel Transcription on the Poly(styrene-b-4-vinylpyridine) Polymer Film. Chemistry Letters, 2003, 32, 352-353.	0.7	8
444	Adsorption of Di-n-butyl Phthalate by Chitosan Beads Modified with Water-soluble Calixarenes. Chemistry Letters, 2005, 34, 218-219.	0.7	8
445	Preparation of Organic/Inorganic Hybrid Gel after γ -Ray Radiation. Chemistry Letters, 2009, 38, 1112-1113.	0.7	8
446	Structural analysis and surface wettability of a novel alternated vinylidene cyanide with fluorinated vinyl ether copolymer. Polymer Journal, 2013, 45, 1041-1046.	1.3	8
447	Dispersion and reaggregation of nanoparticles in the polypropylene copolymer foamed by supercritical carbon dioxide. Physical Chemistry Chemical Physics, 2013, 15, 11061.	1.3	8
448	Crystallization-induced structure fluctuation of crystallized microdomain structure composed of strongly segregated crystalline-crystalline diblock copolymers. Polymer, 2016, 102, 256-265.	1.8	8
449	Observation of constraint surface dynamics of polystyrene thin films by functionalization of a silsesquioxane cage. Polymer, 2016, 105, 487-499.	1.8	8
450	Autonomously Substitutable Organosilane Thin Films Based on Dynamic Covalent Diarylbibenzofuranone Units. Chemistry Letters, 2016, 45, 36-38.	0.7	8

#	ARTICLE	IF	CITATIONS
451	Effect of molecular mobility of pre-ordered phase on crystallization in microphase-separated lamellar morphology of strongly segregated crystalline-crystalline diblock copolymers. <i>Polymer</i> , 2017, 116, 403-411.	1.8	8
452	Molecular aggregation structure and water repellency of Poly(perfluorohexyl acrylate) with a carbamate linkage. <i>Polymer</i> , 2019, 182, 121846.	1.8	8
453	Direct visualization of the molecular orientation and microstructure of glassy transparent polymers after the scratch test based on optical microscopy and X-ray scattering. <i>Polymer</i> , 2019, 181, 121773.	1.8	8
454	Smectic ordered structure and water repellency of a poly(fluoroalkyl acrylate) with a carbamate linker. <i>Polymer Journal</i> , 2019, 51, 189-198.	1.3	8
455	Molecular Aggregation Structure and Surface Properties of Biomimetic Catechol-Bearing Poly[2-(perfluorooctyl)ethyl acrylate] and Its Application to Superamphiphobic Coatings. <i>ACS Omega</i> , 2020, 5, 8169-8180.	1.6	8
456	Polyurethane Nanocomposites Reinforced with Surface Modified Halloysite Nanotubes. <i>Science of Advanced Materials</i> , 2015, 7, 974-980.	0.1	8
457	EFFECT OF CRYSTAL ORIENTATION ON FATIGUE BEHAVIOR OF SOLID-STATE EXTRUDED HIGH-DENSITY POLYETHYLENE. <i>Journal of Fiber Science and Technology</i> , 1986, 42, T127-T135.	0.0	8
458	<title>Phase-separated structure--electro-optical property relationships of polymer/liquid-crystal composite film</title>. , 1993, , .		7
459	Surface thermomechanical and glass transition temperature measurements of polymeric solids. <i>Macromolecular Symposia</i> , 1997, 118, 677-682.	0.4	7
460	Construction of C60 Monolayer Based on Structural Relaxation on the Water Surface. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 1429-1435.	2.0	7
461	Effects of Static and Dynamic Forces on Surface Viscoelastic Response of Polymer Films in Scanning Viscoelasticity Microscopy. <i>Polymer Journal</i> , 2007, 39, 684-689.	1.3	7
462	A Study on the Correlation between QoE of 4K Super High Definition Video Streamings and QoS of Network. , 2009, , .		7
463	Molecular Aggregation States of Imogolite/P3HT Nanofiber Hybrid. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012021.	0.3	7
464	Polystyrene-based blend nanorods with gradient composition distribution. <i>Science China Chemistry</i> , 2012, 55, 726-734.	4.2	7
465	Direct Measurement of Chain Diffusion at Interfaces of PPO/PS Bilayer Films by Nano-Thermal Analysis and Time-of-Flight Secondary Ion Mass Spectrometry. <i>Macromolecules</i> , 2013, 46, 9722-9728.	2.2	7
466	Characterization of complexes formed by mixing aqueous solutions of poly(2-ethyl-2-oxazoline) and poly(methacrylic acid) with a wide range of concentrations. <i>Polymer</i> , 2013, 54, 1896-1904.	1.8	7
467	Effect of supercritical carbon dioxide on molecular aggregation states of side chains of semicrystalline poly{2-(perfluorooctyl)ethyl acrylate} brush thin films. <i>RSC Advances</i> , 2013, 3, 4778.	1.7	7
468	Molecular reorientation of polyimide film induced by thermal nanoimprint lithography and liquid crystals alignment on it. <i>Polymer</i> , 2015, 72, 113-117.	1.8	7

#	ARTICLE	IF	CITATIONS
469	Effect of Blend Composition on Scratch Behavior of Polystyrene/Poly(2,6-dimethyl-1,4-phenyleneoxide) Blends. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800371.	1.1	7
470	Adhesion enhancement of Poly(etheretherketone) via surface-initiated photopolymerization of glycidyl methacrylate. <i>Polymer</i> , 2020, 209, 122971.	1.8	7
471	Conosolvency of Poly[2-(methacryloyloxy)ethyl phosphorylcholine] in Ethanol-Water Mixtures: A Neutron Reflectivity Study. <i>Langmuir</i> , 2022, 38, 5081-5088.	1.6	7
472	Block Copolymers and Hydrophilicity. , 1992, , 179-212.		7
473	Effect of segment structure on fatigue behavior of segmented polyurethaneureas in pseudobiological environments. , 1988, , 19-25.		7
474	Effect of a Binary Solvent on Film Formation in Ink-Jet Printing. <i>Kagaku Kogaku Ronbunshu</i> , 2007, 33, 396-401.	0.1	7
475	Modulation of Double Zwitterionic Block Copolymer Aggregates by Zwitterion-Specific Interactions. <i>Langmuir</i> , 2021, 37, 14760-14766.	1.6	7
476	Influence of lipid sorption on fatigue strength of segmented poly(urethaneurea)s with various hard segment component.. <i>Kobunshi Ronbunshu</i> , 1985, 42, 793-801.	0.2	6
477	Fatigue Behavior of Oriented Ultra-High Molecular Weight Polyethylene Prepared by Gel Drawing. <i>Polymer Journal</i> , 1990, 22, 859-865.	1.3	6
478	Surface Molecular Motion of Polymeric Solid Films.. <i>Kobunshi Ronbunshu</i> , 1996, 53, 582-591.	0.2	6
479	Aggregation Structure and Surface Properties of Immobilized Fluoroalkylsilanes and Their Mixed Monolayers. <i>ACS Symposium Series</i> , 2001, , 31-47.	0.5	6
480	Thermal molecular motion at surface of atactic polypropylene films. <i>Polymer</i> , 2002, 43, 5109-5115.	1.8	6
481	Surface thermal molecular motion of chain end-modified polystyrenes. <i>Macromolecular Symposia</i> , 2003, 192, 265-270.	0.4	6
482	Adsorbent for Di-n-butyl Phthalate Using Chitosan Beads with Upper- or Lower-Rim Substituted Water-soluble Calixarenes. <i>Polymer Journal</i> , 2005, 37, 939-945.	1.3	6
483	Surface Modification of Engineering Plastics through Swelling in Supercritical Carbon Dioxide. <i>Polymer Journal</i> , 2008, 40, 716-724.	1.3	6
484	Substitute and complement relations among various fish species in the Japanese market: implications for fishery resource management. <i>Fisheries Science</i> , 2009, 75, 1079-1087.	0.7	6
485	Structure and Properties of Imogolite Nanotubes and Their Application to Polymer Nanocomposites. <i>Topics in Applied Physics</i> , 2010, , 169-190.	0.4	6
486	Thermal gradient effect on the dynamical behavior of nanoparticles observed using X-ray photon correlation spectroscopy. <i>Polymer Journal</i> , 2013, 45, 94-99.	1.3	6

#	ARTICLE	IF	CITATIONS
487	Toward integrating overlay and physical networks for robust parallel processing architecture. IEEE Network, 2014, 28, 40-45.	4.9	6
488	Plasticizer-Promoted Thermal Crosslinking of a Dynamic Covalent Polymer with Complementarily Reactive Alkoxyamine Units in the Side Chain under Bulk Conditions. Bulletin of the Chemical Society of Japan, 2014, 87, 1023-1025.	2.0	6
489	One-step nanopatterning of conjugated polymers by electron-beam-assisted electropolymerization. Microscopy (Oxford, England), 2015, 64, 205-212.	0.7	6
490	Effect of molecular weight on microcrystalline structure formation in polymer with perylenediimide side chain. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2275-2283.	2.4	6
491	Highly Dielectric Rubber Bearing Cyanoethyl Group with Various Side-Chain Structures. Macromolecules, 2020, 53, 10128-10136.	2.2	6
492	Relationship between the Relative Dielectric Constant and the Monomer Sequence of Acrylonitrile in Rubber. ACS Omega, 2020, 5, 16255-16262.	1.6	6
493	Fluoropolymer Nanoparticles Prepared Using Trifluoropropene Telomer Based Fluorosurfactants. Langmuir, 2020, 36, 1754-1760.	1.6	6
494	Dynamics of matrix-free nanocomposites consisting of block copolymer-grafted silica nanoparticles under elongation evaluated through X-ray photon correlation spectroscopy. Polymer, 2021, 229, 124003.	1.8	6
495	Structure and properties of polysaccharide/imogolite hybrids. Polymer Journal, 2022, 54, 473-479.	1.3	6
496	Adhesion Promoting Copolymer of Acetate-Protected Vinyl Catechol with Glycidyl Methacrylate: Unraveling Deprotection, Adsorption, and Adhesion Behaviors on Metal Substrates. ACS Applied Polymer Materials, 2022, 4, 3687-3696.	2.0	6
497	Environmental dependence of surface chemical composition of the A-B diblock copolymers with poly(styrene) as the A-component.. Kobunshi Ronbunshu, 1990, 47, 395-402.	0.2	5
498	Effect of solvent on aggregation structure and responsive properties of copolymeric gel with side chain crystals. Polymer Gels and Networks, 1996, 4, 315-333.	0.6	5
499	Analysis of Surface Molecular Motion of Amorphous Polymeric Solids on the Basis of Scanning Force Microscopy and X-ray Photoelectron Spectroscopy.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1997, 73, 132-137.	1.6	5
500	AFM observation of single-chain PMMA particles. Journal of Macromolecular Science - Physics, 1998, 37, 339-348.	0.4	5
501	Scanning Force Microscopy of Surface Structure and Surface Mechanical Properties of Organotrichlorosilane Monolayers Prepared by Langmuir Method. ACS Symposium Series, 1998, , 204-222.	0.5	5
502	Secondary ion mass spectroscopic analysis of copper migration at the copper/polyimide interface. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 313.	1.6	5
503	Molecular Aggregation State and Photovoltaic Properties of Chlorophyll-Doped Conducting Poly(3-hexylthiophene)/MCM-41 Nanocomposites. ACS Applied Materials & Interfaces, 2009, 1, 1544-1552.	4.0	5
504	Influence of β -methyl group on molecular aggregation structure and surface physicochemical properties of fluoroalkyl side chain polymers. Journal of Physics: Conference Series, 2009, 184, 012007.	0.3	5

#	ARTICLE	IF	CITATIONS
505	Formation of Layered Perovskite Structure by Folding Monolayer During Compression. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8094-8097.	0.9	5
506	Morphology of nanoimprinted polyimide films fabricated via a controlled thermal history. <i>Polymer Journal</i> , 2012, 44, 1036-1041.	1.3	5
507	“Buried” nano-structure and molecular aggregation state in ordered heterojunction poly(3-hexylthiophene)-based photovoltaics. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FH09.	0.8	5
508	Nanometer-scale Real-space Observation and Material Processing for Polymer Materials under Atmospheric Pressure: Application of Atmospheric Scanning Electron Microscopy. <i>Electrochemistry</i> , 2014, 82, 359-363.	0.6	5
509	Two-dimensional percolation phenomena of single-component linear homopolymer brushes. <i>Journal of Chemical Physics</i> , 2014, 140, 054904.	1.2	5
510	Effect of nanoparticle SiO ₂ grafted poly (methyl methacrylate) on poly(L-lactic) acid crystallization. <i>Polymer Bulletin</i> , 2015, 72, 1247-1263.	1.7	5
511	Molecular aggregation structure evolution during stretching of environmentally benign lysine-based segmented poly(urethane-urea)s. <i>Polymer</i> , 2015, 78, 173-179.	1.8	5
512	Supramolecular network polymers formed from polyamidine and carboxy-terminated telechelic poly(<i>n</i> -butyl acrylate) via amidinium-carboxylate salt bridges. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2148-2155.	2.5	5
513	Mechanically Enhanced Hyaluronic Acid Hybrid Hydrogels with Halloysite Nanotubes. <i>Chemistry Letters</i> , 2017, 46, 1217-1219.	0.7	5
514	Preparation of polymer brushes with well-controlled stereoregularity and evaluation of their functional properties. <i>Polymer Journal</i> , 2018, 50, 931-939.	1.3	5
515	Freestanding Tough Glassy Membranes Produced by Simple Solvent Casting of Polyrotaxane Derivatives. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4177-4183.	2.0	5
516	Visualization of judgment regions in convolutional neural networks for X-ray diffraction and scattering images of aliphatic polyesters. <i>Polymer Journal</i> , 2021, 53, 1269-1279.	1.3	5
517	CHAPTER 4. Design and Physicochemical Characterization of Novel Organic-Inorganic Hybrids from Natural Aluminosilicate Nanotubes. <i>RSC Smart Materials</i> , 2016, , 131-156.	0.1	5
518	Surface Molecular Aggregation Structure of Poly(fluoroalkyl acrylate) Thin Films. <i>Transactions of the Materials Research Society of Japan</i> , 2007, 32, 239-242.	0.2	5
519	Deformation Behavior of Polyurethane Adhesive in the Single-Lap Joint Based on the Microbeam X-ray Scattering Method. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5387-5394.	2.0	5
520	Mechanical Properties of Fatty Acid Monolayers on the Water Surface Based on Surface Pressure Relaxation and Area Creep Measurements. <i>Nihon Reoroji Gakkaishi</i> , 1991, 19, 208-213.	0.2	4
521	Effect of side chain structure on aggregation state and mechanical properties of synthetic polypeptide monolayers at the air-water interface. <i>Polymer Bulletin</i> , 1993, 30, 119-126.	1.7	4
522	Surface Molecular Motion of Amorphous Polymeric Solids. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 1491-1503.	2.0	4

#	ARTICLE	IF	CITATIONS
523	Construction of Defect-Diminished Fatty Acid Langmuir-Blodgett Film and Its Optical Waveguide Properties. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 2795-2802.	2.0	4
524	Effect of end group chemistry on surface molecular motion of monodisperse polystyrene films. <i>Macromolecular Symposia</i> , 2000, 159, 35-42.	0.4	4
525	Effect of Interfacial Interaction between Glass-Fiber and Matrix Nylon-6 on Nonlinear Dynamic Viscoelasticity and Fatigue Behavior for Glass-Fiber Reinforced Nylon-6. <i>Polymer Journal</i> , 2002, 34, 897-904.	1.3	4
526	Drying Process of Micro-Scale Polymer Solution Droplets Deposited on Lyophobic Surfaces. <i>Experimental Heat Transfer</i> , 2007, 20, 137-146.	2.3	4
527	Surface and Interface Structure and Tribological Properties of Hydrophilic Polymer Brushes. <i>Nihon Reoroji Gakkaishi</i> , 2008, 36, 107-112.	0.2	4
528	Precise Design of Surface Nano-texture and Surface Chemistry of Polymeric Solids. <i>Composite Interfaces</i> , 2009, 16, 519-533.	1.3	4
529	Application of polymerizable surfactant in the preparation of polystyrene/nano-Fe ₃ O ₄ composite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 184-187.	0.4	4
530	Influence of magadiite dispersion states on the flammability of polystyrene and polyphenylene ether-polystyrene alloy nanocomposites. <i>Polymer Journal</i> , 2010, 42, 223-231.	1.3	4
531	Concealing Surface Topography by Attachment of Nanometer-Thick Film. <i>Langmuir</i> , 2013, 29, 2906-2911.	1.6	4
532	Structure of insoluble complex formed by a block copolymer of 2-ethyl-2-oxazoline and ethylene oxide and poly(methacrylic acid). <i>Polymer</i> , 2014, 55, 4757-4764.	1.8	4
533	Effect of Water Swelling on the Tribological Properties of PMMA Spin-Cast Film and Brush in Aqueous Environment. <i>Tribology Letters</i> , 2014, 55, 121-129.	1.2	4
534	Development of Sample Environments for the SOFIA Reflectometer for Seconds-Order Time-Slicing Measurements. , 2015, , .		4
535	Long-Range Hydrophilic Attraction between Water and Polyelectrolyte Surfaces in Oil. <i>Angewandte Chemie</i> , 2016, 128, 15241-15245.	1.6	4
536	Effect of Polycaprolactone Crystalline Block on Surface Reorganization of a Phosphorylcholine-based Amphiphilic Block Copolymer Surface Modifier. <i>Chemistry Letters</i> , 2018, 47, 247-250.	0.7	4
537	Synthesis of a bio-inspired catechol/phosphorylcholine surface modifier and characterization of its surface properties. <i>Journal of Polymer Science Part A</i> , 2018, 56, 38-49.	2.5	4
538	Pre-vulcanization of Large and Small Natural Rubber Latex Particles: Film-Forming Behavior and Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900283.	1.7	4
539	Preparation of polymethyl methacrylate with well-controlled stereoregularity by anionic polymerization in an ionic liquid solvent. <i>Journal of Polymer Science</i> , 2020, 58, 1960-1964.	2.0	4
540	Exploring the Mesoscopic Morphology in Mussel Adhesive Proteins by Soft X-ray Spectromicroscopy. <i>Biomacromolecules</i> , 2021, 22, 1256-1260.	2.6	4

#	ARTICLE	IF	CITATIONS
541	Actuator Performance of Dielectric Elastomers Comprising Hydrogenated Carboxylated Acrylonitrile-Butadiene Rubber/Nitrile Group-Modified Titanium Oxide Particles. ACS Omega, 2021, 6, 6965-6972.	1.6	4
542	Actuator Performance of a Hydrogenated Carboxylated Acrylonitrile-Butadiene Rubber/Silica-Coated BaTiO ₃ Dielectric Elastomer. ACS Omega, 2021, 6, 649-655.	1.6	4
543	Critical In-Plane Density of Polyelectrolyte Brush for the Ordered Hydrogen-Bonded Structure of Incorporated Water. Langmuir, 2022, 38, 3076-3081.	1.6	4
544	Variations of dynamic viscoelastic properties of dog compact bone during the fatigue process. Journal of Materials Science, 1980, 15, 2653-2657.	1.7	3
545	Effect of polyol chemistry on the in vitro biostability of segmented polyurethanes. , 1991, , 77-83.		3
546	Effect of Precursor Solvent on the Copper Migration Behavior at the (Polyimide/Copper) Interface.. Kobunshi Ronbunshu, 2000, 57, 233-243.	0.2	3
547	Surface relaxation behavior of proton- and perfluoroalkyl-terminated poly(2-vinylpyridine) films. Polymer, 2001, 42, 8959-8964.	1.8	3
548	Annealing effect on adhesion properties of poly(butylene terephthalate). Composite Interfaces, 2004, 11, 325-333.	1.3	3
549	On the Dimension of a Hyperbranched Polymer Synthesized from a Styrene Derivative. Polymer Journal, 2008, 40, 375-378.	1.3	3
550	Micropatterning of polymeric semiconductor by selective lift-off method using epoxy mold. Journal of Vacuum Science & Technology B, 2009, 27, 1958.	1.3	3
551	4K & 2K multi-resolution video communication with 60 fps over IP networks using JPEG2000. , 2009, , .		3
552	Crystallization behavior of polyethylene on silicon wafers in solution casting processes traced by time-resolved measurements of synchrotron grazing-incidence small-angle and wide-angle X-ray scattering. Journal of Physics: Conference Series, 2009, 184, 012015.	0.3	3
553	Molecular aggregation states of poly{2-(perfluorooctyl)ethyl acrylate} polymer brush thin film analyzed by grazing incidence X-ray diffraction. Journal of Physics: Conference Series, 2009, 184, 012009.	0.3	3
554	Characterization of Surface Microstructures on Bio-based Polymer Film Fabricated with Nano-imprint Lithography by Synchrotron Radiation Small Angle X-ray Scattering. IOP Conference Series: Materials Science and Engineering, 2011, 24, 012004.	0.3	3
555	X-ray Photon Correlation Spectroscopy of Silica Particles Grafted with Polymer Brush in Polystyrene Matrix. Journal of Physics: Conference Series, 2011, 272, 012020.	0.3	3
556	Aggregation behavior of a polystyrene- <i>b</i> -poly(phenylsilsesquioxane) H-type copolymer at the air/water interface. Polymer, 2012, 53, 2223-2232.	1.8	3
557	Grazing-incidence wide-angle X-ray diffraction study on molecular aggregation state of imprinted polyimide film before and after hard baking. Polymer Bulletin, 2013, 70, 105-115.	1.7	3
558	Precise and nondestructive characterization of a <i>h</i> -buried TM nanostructure in a polymer thin film using synchrotron radiation ultra-small angle X-ray scattering. Polymer Journal, 2013, 45, 307-312.	1.3	3

#	ARTICLE	IF	CITATIONS
559	Nature-inspired Super Hydrophilic and Antifouling Surfaces. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2013, 64, 15-20.	0.1	3
560	Melting behavior of thin polyethylene films. Journal of Plastic Film and Sheeting, 2015, 31, 401-413.	1.3	3
561	Imogolite Polymer Nanocomposites. Developments in Clay Science, 2016, 7, 628-671.	0.3	3
562	Real-time displacement measurement system using phase-shifted optical pulse interferometry: Application to a seismic observation system. Japanese Journal of Applied Physics, 2016, 55, 022701.	0.8	3
563	Direct observation of polyelectrolyte brushes under wet and dry conditions by atmospheric scanning electron microscopy. Microscopy (Oxford, England), 2016, 65, 139-144.	0.7	3
564	Interface manipulated two-phase nanostructure in a triblock terpolymer with a short middle segment. Polymer Journal, 2016, 48, 533-538.	1.3	3
565	Liquid Marbles from Polymer Particles: Formation Mechanism, Physical Characterizations, and Applications. Kobunshi Ronbunshu, 2017, 74, 26-35.	0.2	3
566	Direct Hydrophilic Modification of Polymer Surfaces via Surface-Initiated ATRP. ACS Symposium Series, 2018, , 157-168.	0.5	3
567	Synthesis and surface properties of amphiphilic copolymer consisting of hydrophobic perfluorocarbon and hydrophilic zwitterionic blocks. Polymer, 2021, 230, 124029.	1.8	3
568	Preparation of an (inorganic/organic) hybrid hydrogel from a peptide oligomer and a tubular aluminosilicate nanofiber. RSC Advances, 2021, 11, 4901-4905.	1.7	3
569	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. Kobunshi Ronbunshu, 2017, 74, 109-113.	0.2	3
570	Analysis of Fatigue Behavior of High-density Polyethylene Based on Dynamic Viscoelastic and Small Angle Light Scattering Measurements during the Fatigue Process. Nihon Reoroji Gakkaishi, 1991, 19, 72-75.	0.2	3
571	Effect of Aggregation Structure on Fatigue Characteristics of (Nylon 6/Clay) Composites. Nihon Reoroji Gakkaishi, 1996, 24, 117-122.	0.2	3
572	Surface properties and gas permeabilities of polybutadiene membrane treated with various fluorine containing gas plasmas.. Journal of Fiber Science and Technology, 1991, 47, 635-643.	0.0	3
573	Higher-order Structure Analysis of Polyethylene Thin Films by In-situ Synchrotron Grazing-incidence Small-angle and Wide-angle X-ray Scattering Measurements. Transactions of the Materials Research Society of Japan, 2007, 32, 193-197.	0.2	3
574	Morphological study of isotactic polypropylene thin films on different substrates using grazing incidence wide-angle X-ray diffraction. Polymer, 2022, 245, 124665.	1.8	3
575	Effect of surface microphase-separated structure on interaction between biological components and multiphase polymer surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 2956-2961.	0.9	2
576	Analysis of Surface Mechanical Properties of Polymer Blend Ultrathin Films by Scanning Force Microscopy. Key Engineering Materials, 1997, 137, 79-86.	0.4	2

#	ARTICLE	IF	CITATIONS
577	Thermal molecular motion in polystyrene thin and ultrathin films by dynamic viscoelastic measurement. <i>Central South University</i> , 2007, 14, 346-349.	0.5	2
578	Direct observation of surface and internal phase-separated structure of the active layer buried in organic photovoltaic cells. <i>Applied Surface Science</i> , 2010, 257, 1145-1148.	3.1	2
579	Static and Dynamic Scattering from Polysulfobetaine Immobilized on Silica Nanoparticle in Ionic Liquid. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012016.	0.3	2
580	Applications of Surface Initiated ATRP to the Preparation of Polyelectrolyte Brushes for Antifouling, Adhesion Control, Friction Control. <i>ACS Symposium Series</i> , 2012, , 183-195.	0.5	2
581	Crystallization Behavior of Hard Segment in Polyurethane Elastomers. <i>Kobunshi Ronbunshu</i> , 2014, 71, 608-614.	0.2	2
582	Precise Synthesis of Poly(α -methylene- γ -butyrolactone) and Evaluation of Its Characteristics. <i>Kobunshi Ronbunshu</i> , 2015, 72, 447-452.	0.2	2
583	Tribute to Toyoki Kunitake. <i>Langmuir</i> , 2016, 32, 12231-12241.	1.6	2
584	Versatile anti-fouling surface design through nature-inspired approaches. <i>Green Materials</i> , 2017, 5, 14-21.	1.1	2
585	High Performance Polyurethane Elastomers Using New Cyclaliphatic Diisocyanate. <i>Nihon Reoroji Gakkaishi</i> , 2017, 45, 261-268.	0.2	2
586	Elevation of the flow temperature of gels formed by nano fibers of Poly(L-lactic acid) by surface crystallization induced by block copolymers. <i>Polymer</i> , 2019, 181, 121768.	1.8	2
587	Anionic Polymerization of Methacrylate-functionalized Ionic Monomers in Ionic Liquid. <i>Chemistry Letters</i> , 2020, 49, 1459-1461.	0.7	2
588	Effect of Ion-Pair Interaction Energy and Alkyl Chain Length on the Dispersibility of Carbon Nanotubes in a Conductive Composite Elastomer. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1773-1780.	2.0	2
589	Preparation and characterization of an imogolite/chitosan hybrid with pyridoxal-5-phosphate as an interfacial modifier. <i>RSC Advances</i> , 2021, 11, 31712-31716.	1.7	2
590	Dynamics on Molecular Films. Surface Structure and Surface Mechanical Properties of Organosilane Monolayers.. <i>Hyomen Kagaku</i> , 2000, 21, 635-642.	0.0	2
591	Effect of fiber-matrix interaction on fatigue fracture morphology of glass-fiber reinforced poly (butylene terephthalate).. <i>Journal of Fiber Science and Technology</i> , 1992, 48, 363-367.	0.0	2
592	Specific Deformation Behavior of Isotactic Polypropylene Films under Multiaxial Stress Field. <i>Soft Matter</i> , 2022, , .	1.2	2
593	Anisotropic swelling behavior of copolymeric gel film with crystalline oriented side chains. <i>Polymer Gels and Networks</i> , 1997, 5, 429-438.	0.6	1
594	An architecture-oriented routing method for FPGAs having rich hierarchical routing resources. , 0, , .		1

#	ARTICLE	IF	CITATIONS
595	Scanning Force Microscopic Study of Polyethylene Single Crystals Prepared by a Self-Seeding Method. ACS Symposium Series, 1999, , 336-345.	0.5	1
596	Visualized Polymers. Patterns Formed by Polymeric Systems. II. Scanning Force Microscopic Study of Surface Structure of Polyethylene Single Crystals.. Kobunshi Ronbunshu, 1999, 56, 845-849.	0.2	1
597	Chain End Group-Induced Surface Ordering in Poly(styrene-b-4-vinylpyridine) Symmetric Diblock Copolymer Films. Polymer Journal, 1999, 31, 1015-1020.	1.3	1
598	Structure and Physical Properties of Polymeric Supramolecular Assembly. International Journal of Polymeric Materials and Polymeric Biomaterials, 2000, 46, 233-242.	1.8	1
599	Reversible Reduction and Reoxidation of Langmuir-Blodgett Films of Octacyanophthalocyanine Dilithium Complex. Chemistry Letters, 2001, 30, 536-537.	0.7	1
600	Dynamic arbitration of video conferencing flows by using MXQ mechanism. , 0, , .		1
601	Evaluation of Surface Composition in Miscible Polymer Blends by Lateral Force Microscopy. ACS Symposium Series, 2005, , 239-248.	0.5	1
602	Hyomen Kagaku, 2006, 26, 559-564.		1
603	Surface and Interfacial Segregation in Binary Polymer Blends. Hyomen Kagaku, 2007, 28, 688-697.	0.0	1
604	Nature-inspired Low Adhesive Antifouling Surfaces. Kobunshi Ronbunshu, 2013, 70, 301-308.	0.2	1
605	Chain stiffness and chain conformation of poly(ϵ -methylene- γ -butyrolactone) in dilute solutions. Polymer, 2014, 55, 6539-6545.	1.8	1
606	Polymer Brush Growth from Surface-textured Thin Urushiol Films. Chemistry Letters, 2014, 43, 1776-1778.	0.7	1
607	Transformation from Multi- to Single-lamellar Vesicle by Addition of a Cationic Lipid to 1,2-Dilauroyl-sn-glycero-3-phosphocholine Explored with SAXS and TEM. Chemistry Letters, 2014, 43, 1785-1787.	0.7	1
608	Interphase Structure of Oxidized Carbon Fiber Reinforced Polyamide 6 Revealed by Synchrotron Microbeam X-ray Diffraction and Infrared-Spectroscopy. Kobunshi Ronbunshu, 2017, 74, 91-98.	0.2	1
609	Anti-(bio)Fouling. Biologically-inspired Systems, 2018, , 239-257.	0.4	1
610	Incorporation of Benzoxazine Pendants in Polymer Chains: A Simple Approach to Add Responsive Functions. Macromolecular Chemistry and Physics, 2019, 220, 1800526.	1.1	1
611	Synthesis of Polysiloxanes with Functional Groups by Using Organometallic Carboxylate Catalysts. Chemistry Letters, 2021, 50, 542-545.	0.7	1
612	Thermal hysteresis of aggregation states of thermoresponsive block copolymers forming intermolecular hydrogen bonds. Polymer Journal, 0, , .	1.3	1

#	ARTICLE	IF	CITATIONS
613	The X-ray microscopy project at Saga SLS. European Physical Journal Special Topics, 2003, 104, 63-66.	0.2	1
614	Analysis of Fatigue Behavior of Polymeric Solids on the Basis of Nonlinear Dynamic Viscoelastic Measurement. Nihon Reoroji Gakkaishi, 1995, 23, 217-227.	0.2	1
615	Nano-rheological Properties of Polymeric Solid Surfaces.. Nihon Reoroji Gakkaishi, 2003, 31, 33-40.	0.2	1
616	Structural Characterization of Surface-grafted Poly (Vinyl Alcohol) on Silicon Wafer. Transactions of the Materials Research Society of Japan, 2007, 32, 259-262.	0.2	1
617	Dynamic Viscoelastic Properties From Bulk to Surface of Polymeric Solids. Journal of Fiber Science and Technology, 2009, 65, P.472-P.476.	0.0	1
618	Random Forest Analysis of X-ray Diffraction and Scattering Data on Crystalline Polymer. Journal of Computer Chemistry Japan, 2021, 20, 103-105.	0.0	1
619	Association Behavior of a Homopolymer Containing Choline Phosphonate Groups in Aqueous Solutions. Chemistry Letters, 2022, 51, 103-106.	0.7	1
620	Preparation of LB built-up films of polymerizable amphiphile with sodium sulfonate group and their surface properties.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1987, 1987, 2163-2168.	0.1	0
621	Mechanical properties of fatty acid monolayers on the water surface based on surface pressure relaxation and area creep measurements (abstract). Journal of Rheology, 1992, 36, 974-974.	1.3	0
622	Analysis of fatigue behavior of high-density polyethylene based on dynamic viscoelastic and small angle light scattering measurements during the fatigue process (abstract). Journal of Rheology, 1992, 36, 993-993.	1.3	0
623	Observation of Molecular Motion of Polymer Chains.. Kobunshi, 1997, 46, 249-251.	0.0	0
624	Interaction between Polymeric Organosilane Monolayer and Plasma Protein.. Kobunshi Ronbunshu, 1998, 55, 344-352.	0.2	0
625	Physical Properties of Polymeric Solids. International Journal of Polymeric Materials and Polymeric Biomaterials, 2000, 46, 227-231.	1.8	0
626	Evaluation of Interfacial Structure in Blends of Polypropylene and Elastomer by Scanning Force Microscopy. Kobunshi Ronbunshu, 2005, 62, 432-434.	0.2	0
627	Chapter 8 Structure and Physicochemical Properties of Polyalkylsiloxane Monolayers Prepared onto the Solid Substrate. Interface Science and Technology, 2007, 14, 193-217.	1.6	0
628	Two-dimensional Molecular Aggregation Structure and Thermal Molecular Motion of Polyalkylsiloxane Ultrathin Films. Kobunshi Ronbunshu, 2007, 64, 269-279.	0.2	0
629	Study of Chemical Analysis at the Surface of Organic Thin Films by Scanning Force Microscopy with Chemically Modified Cantilever Tip. Journal of the Adhesion Society of Japan, 2007, 43, 58-63.	0.0	0
630	Reliability Analysis of Adhesive for PBT-Epoxy Interface. , 0, , .		0

#	ARTICLE	IF	CITATIONS
631	Characterization of Polymer Brush/ Water Interface by Neutron Reflectometry. <i>Hamon</i> , 2009, 19, 165-169.	0.0	0
632	Physicochemical Characterization of Biodegradable Segmented Polyurethane and Blends with Polylactide. <i>International Polymer Science and Technology</i> , 2009, 36, 45-51.	0.1	0
633	Synthesis and Reaction of Well-defined Copolymers with Thermally Exchangeable Dynamic Covalent Bonds in the Side Chains. <i>ACS Symposium Series</i> , 2009, , 319-329.	0.5	0
634	Physicochemical Characterization of Biodegradable Segmented Polyurethanes and Their Blends with Polylactide. <i>Nippon Gomu Kyokaishi</i> , 2009, 82, 349-355.	0.0	0
635	Formation of polystyrene/poly(methyl methacrylate) heteroarm star-like nanogels from complementarily reactive well-defined diblock copolymers. <i>Journal of Physics: Conference Series</i> , 2009, 184, 012019.	0.3	0
636	Chain dimension of polystyrene-like hyperbranched polymers with various chain end groups in THF. <i>Journal of Physics: Conference Series</i> , 2009, 184, 012033.	0.3	0
637	Applications of polymer brushes to structural nano-coatings. , 2011, , .		0
638	Salt Concentration Dependence of Swelling States for Poly(sulfobetaine) Brush at Aqueous Solution Interface. <i>ACS Symposium Series</i> , 2011, , 135-143.	0.5	0
639	Tribological Behavior of Polymer Brushes Designed Based on Biomimetic Water Lubrication. , 2012, , 901-904.		0
640	Mobility Gradient of Polystyrene in Films Supported on Solid Substrates. <i>Advances in Polymer Science</i> , 2012, , 1-27.	0.4	0
641	Macromolecular Design of Alkoxyamine-Containing Radically Reactive Polymers Based on Dynamic Covalent Chemistry. <i>Kobunshi Ronbunshu</i> , 2015, 72, 341-353.	0.2	0
642	Development of Total Internal Reflection Raman Microscope with an Apparatus for Adhesion Test and Changes in Depolarization Ratio of Polymer Brush by Compressive Force. <i>Kobunshi Ronbunshu</i> , 2015, 72, 673-680.	0.2	0
643	Surface Modification of Non-Woven Electrospun Fine Fiber Mats through Surface-Initiated Atom Transfer Radical Polymerization. <i>Kobunshi Ronbunshu</i> , 2016, 73, 225-232.	0.2	0
644	Preparation of Novel Functional Interface using Polymethyl Methacrylate ^{1/4} PMMA ^{3/4} Brush with Well-Controlled Stereoregularity. <i>Journal of the Adhesion Society of Japan</i> , 2016, 52, 16-21.	0.0	0
645	Preface to the Interfaces and Biology 1: Mechanobiology Special Issue. <i>Langmuir</i> , 2019, 35, 7333-7334.	1.6	0
646	High-Performance Interface. , 2019, , 167-180.		0
647	Preface to The 15th Pacific Polymer Conference (PPC-15) Virtual Issue. <i>Langmuir</i> , 2019, 35, 4413-4414.	1.6	0
648	Water modulates the lamellar structure and interlayer correlation of poly(perfluorooctyl acrylate) films: a specular and off-specular neutron scattering study. <i>Polymer Journal</i> , 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
649	Deformation Conditions. Nonlinear Viscoelasticity Relationship for HDPE Solid-State Extrudate under Cyclic Fatigue.. Nihon Reoroji Gakkaishi, 2002, 30, 147-153.	0.2	0
650	Surface Nano-structure and Nano-mechanical Properties of Organosilane Monolayers. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 98-104.	0.2	0
651	Analysis of Surface Dynamics of Polymer Films by Lateral Force Microscopy. Hyomen Kagaku, 2003, 24, 359-366.	0.0	0
652	SURFACE STRUCTURE AND PROPERTIES OF MULTICOMPONENT MICROPATTERNED ORGANOSILANE MONOLAYERS PREPARED BY STEPWISE PHOTODECOMPOSITION AND CHEMISORPTION PROCESS. , 2003, , .		0
653	(9) CAE ç”“ãf~ã,ããfã,,ãf¼ãã@ãÿçŽ : é«~ã~†ãã,ã½“ãf»èj”éÇã@ãf~ã,ããfã,,ãf¼. Seikei-Kakou, 2005, 17, 610-615.	0.0	0
654	Development of High-performance Experimental Systems and Fiber Science. Journal of Fiber Science and Technology, 2006, 62, P.41-P.41.	0.0	0
655	Surface and Interfacial Structures of Silsesquioxane-terminated Polystyrene Thin Films. Transactions of the Materials Research Society of Japan, 2007, 32, 267-270.	0.2	0
656	Model Analysis of Scanning Viscoelasticity Microscopy and Its Applications to Polymer Surfaces. Nihon Reoroji Gakkaishi, 2008, 36, 87-92.	0.2	0
657	Characterization of the Interface Structure of Hydrophilic and Hydrophobic Polymer Brushes by Neutron Beam and Synchrotron Radiation. Transactions of the Materials Research Society of Japan, 2008, 33, 573-577.	0.2	0
658	IUMRS-ICA 2008 Symposium, Sessions â€ˆX. Applications of Synchrotron Radiation and Neutron Beam to Soft Matter Scienceâ€™™ and â€™Y. Frontier of Polymeric Nano-Soft-Materials â€™™ Precision Polymer Synthesis, Self-assembling and Their Functionalizationâ€™™. Journal of Physics: Conference Series, 2009, 184, 011001.	0.3	0
659	Wettability and Friction Control of Soft Materials Based on Biomimetic Approach. Hyomen Kagaku, 2010, 31, 276-282.	0.0	0
660	Analyses of Surface and Interfaces of Soft Materials by Neutron Reflectivity. Hyomen Kagaku, 2012, 33, 272-277.	0.0	0
661	Interfacial Dynamics and Surface Mechanical Properties of Soft Materials. Nihon Reoroji Gakkaishi, 2014, 41, 271-281.	0.2	0
662	Measurement of Viscoelastic Properties of Organic Thin Films. Journal of Fiber Science and Technology, 1993, 49, P149-P153.	0.0	0
663	Bistable electro-optical switching with memory effects of (liquid crystalline polymer/low molecular) Tj ETQq1 1 0.784314 rgBTj /Overlock		
664	Selective Adsorption of Plasma Protein Onto Phase-Separated Domain of Immobilized Organosilane Monolayer Surfaces. , 1996, , 243-244.		0
665	Researches on Polymer Surfaces: Structure and Dynamics. Surface Structure and Surface Molecular Motion of Solid Polymer Films.. Hyomen Kagaku, 1997, 18, 531-536.	0.0	0
666	Analysis of Fatigue Lifetime of Polymeric Fibers and Polymeric Solids in Terms of Nonlinear Dynamic Viscoelastic Measurements. Journal of Fiber Science and Technology, 1999, 55, P343-P348.	0.0	0

#	ARTICLE	IF	CITATIONS
667	Surface Phase-separated Structures of Multiphase Polymer Thin Films. Journal of Fiber Science and Technology, 1999, 55, P57-P62.	0.0	0
668	Organosilanes: Molecular Assembly. , 0, , 3502-3512.		0
669	Molecular Conformation of Polysulfobetaine Brushes Immobilized on SiO ₂ Nanoparticles. Journal of the Japan Society of Colour Material, 2015, 88, 341-347.	0.0	0
670	Molecular Aggregation Structure of a Segmented Poly(urethane-urea) Elastomer Derived from an Amino Acid-Based Diisocyanate. Kobunshi Ronbunshu, 2015, 72, 31-36.	0.2	0
671	(Organic/Inorganic) Hybrids Based on Natural Inorganic Nanotubes. Journal of Fiber Science and Technology, 2017, 73, P-204-P-205.	0.0	0
672	Friction Behavior of Polymer Brush Immobilized Surfaces in Good Solvents. , 2018, , 507-528.		0
673	Structure Analyses of Charged Polymer Brush Films/Water Interface by Neutron Reflectivity. Hamon, 2018, 28, 178-182.	0.0	0
674	Molecular Aggregation Structure of Notched Nylon 12 Film during Uniaxial Elongation. Nippon Gomu Kyokaishi, 2021, 94, 293-298.	0.0	0
675	Electronic Structure of Carbon Dioxide in Sylgard-184 Evaluated by Using X-ray Emission Spectroscopy. Chemistry Letters, 2022, 51, 650-653.	0.7	0
676	Preface to the Françoise M. Winnik Special Issue. Langmuir, 2022, 38, 5031-5032.	1.6	0
677	Structure Analyses of Soft Interface by Neutron Reflectivity. Hamon, 2021, 31, 68-73.	0.0	0