

Astushi Takahara

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cononsolvency of Poly[2-(methacryloyloxy)ethyl phosphorylcholine] in Ethanol–Water Mixtures: A Neutron Reflectivity Study. <i>Langmuir</i> , 2022, 38, 5081-5088.	3.5	7
2	Structure and properties of polysaccharide/imogolite hybrids. <i>Polymer Journal</i> , 2022, 54, 473-479.	2.7	6
3	Association Behavior of a Homopolymer Containing Choline Phosphonate Groups in Aqueous Solutions. <i>Chemistry Letters</i> , 2022, 51, 103-106.	1.3	1
4	Specific Deformation Behavior of Isotactic Polypropylene Films under Multiaxial Stress Field. <i>Soft Matter</i> , 2022, , .	2.7	2
5	Critical In-Plane Density of Polyelectrolyte Brush for the Ordered Hydrogen-Bonded Structure of Incorporated Water. <i>Langmuir</i> , 2022, 38, 3076-3081.	3.5	4
6	Morphological study of isotactic polypropylene thin films on different substrates using grazing incidence wide-angle X-ray diffraction. <i>Polymer</i> , 2022, 245, 124665.	3.8	3
7	Electronic Structure of Carbon Dioxide in Sylgard-184 Evaluated by Using X-ray Emission Spectroscopy. <i>Chemistry Letters</i> , 2022, 51, 650-653.	1.3	0
8	Adhesion Promoting Copolymer of Acetate-Protected Vinyl Catechol with Glycidyl Methacrylate: Unraveling Deprotection, Adsorption, and Adhesion Behaviors on Metal Substrates. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3687-3696.	4.4	6
9	Preface to the François M. Winnik Special Issue. <i>Langmuir</i> , 2022, 38, 5031-5032.	3.5	0
10	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.	4.4	5
11	Preparation and characterization of an imogolite/chitosan hybrid with pyridoxal-5-phosphate as an interfacial modifier. <i>RSC Advances</i> , 2021, 11, 31712-31716.	3.6	2
12	Exploring the Mesoscopic Morphology in Mussel Adhesive Proteins by Soft X-ray Spectromicroscopy. <i>Biomacromolecules</i> , 2021, 22, 1256-1260.	5.4	4
13	Tailoring Multistimuli Responsive Micropatterns Activated by Various Mechanical Modes. <i>Advanced Functional Materials</i> , 2021, 31, 2100612.	14.9	20
14	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.	2.7	10
15	Actuator Performance of Dielectric Elastomers Comprising Hydrogenated Carboxylated Acrylonitrile-Butadiene Rubber/Nitrile Group-Modified Titanium Oxide Particles. <i>ACS Omega</i> , 2021, 6, 6965-6972.	3.5	4
16	Synthesis of Polysiloxanes with Functional Groups by Using Organometallic Carboxylate Catalysts. <i>Chemistry Letters</i> , 2021, 50, 542-545.	1.3	1
17	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.	4.4	24
18	Probing the in-plane liquid-like behavior of liquid crystal elastomers. <i>Science Advances</i> , 2021, 7, .	10.3	23

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19	Freestanding Tough Glassy Membranes Produced by Simple Solvent Casting of Polyrotaxane Derivatives. ACS Applied Polymer Materials, 2021, 3, 4177-4183.	4.4	5
20	Visualization of judgment regions in convolutional neural networks for X-ray diffraction and scattering images of aliphatic polyesters. Polymer Journal, 2021, 53, 1269-1279.	2.7	5
21	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.	3.8	6
22	Synthesis and surface properties of amphiphilic copolymer consisting of hydrophobic perfluorocarbon and hydrophilic zwitterionic blocks. Polymer, 2021, 230, 124029.	3.8	3
23	Preparation of an (inorganic/organic) hybrid hydrogel from a peptide oligomer and a tubular aluminosilicate nanofiber. RSC Advances, 2021, 11, 4901-4905.	3.6	3
24	Actuator Performance of a Hydrogenated Carboxylated Acrylonitrile-Butadiene Rubber/Silica-Coated BaTiO ₃ Dielectric Elastomer. ACS Omega, 2021, 6, 649-655.	3.5	4
25	Molecular Aggregation Structure of Notched Nylon 12 Film during Uniaxial Elongation. Nippon Gomu Kyokaishi, 2021, 94, 293-298.	0.0	0
26	Random Forest Analysis of X-ray Diffraction and Scattering Data on Crystalline Polymer. Journal of Computer Chemistry Japan, 2021, 20, 103-105.	0.1	1
27	Modulation of Double Zwitterionic Block Copolymer Aggregates by Zwitterion-Specific Interactions. Langmuir, 2021, 37, 14760-14766.	3.5	7
28	Structure Analyses of Soft Interface by Neutron Reflectivity. Hamon, 2021, 31, 68-73.	0.0	0
29	Mechanical Stabilization of Deoxyribonucleic Acid Solid Films Based on Hydrated Ionic Liquid. Biomacromolecules, 2020, 21, 464-471.	5.4	13
30	<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. Macromolecules, 2020, 53, 8901-8909.	4.8	20
31	Hydration State Variation of Polyzwitterion Brushes through Interplay with Ions. Langmuir, 2020, 36, 9015-9024.	3.5	26
32	Highly Dielectric Rubber Bearing Cyanoethyl Group with Various Side-Chain Structures. Macromolecules, 2020, 53, 10128-10136.	4.8	6
33	Application of Synchrotron Radiation X-ray Scattering and Spectroscopy to Soft Matter. Polymers, 2020, 12, 1624.	4.5	14
34	Anionic Polymerization of Methacrylate-functionalized Ionic Monomers in Ionic Liquid. Chemistry Letters, 2020, 49, 1459-1461.	1.3	2
35	Adhesion enhancement of Poly(etheretherketone) via surface-initiated photopolymerization of glycidyl methacrylate. Polymer, 2020, 209, 122971.	3.8	7
36	Enhanced adhesion effect of epoxy resin on carbon fiber-reinforced Poly(etheretherketone) via surface initiated photopolymerization of glycidyl methacrylate. Polymer, 2020, 209, 123036.	3.8	9

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37	Complex Network Representation of the Structure-Mechanical Property Relationships in Elastomers with Heterogeneous Connectivity. <i>Patterns</i> , 2020, 1, 100135.	5.9	13
38	Influence of chemical structure of hard segments on physical properties of polyurethane elastomers: a review. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	55
39	Cationic Polymer Brush/Giant Polysaccharide Sacran Assembly: Structure and Lubricity. <i>Langmuir</i> , 2020, 36, 6494-6501.	3.5	9
40	Fabrication and Deformation of Mechanochromic Nanocomposite Elastomers Based on Rubbery and Glassy Block Copolymer-Grafted Silica Nanoparticles. <i>Macromolecules</i> , 2020, 53, 4541-4551.	4.8	20
41	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.	3.8	4
42	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.	4.4	24
43	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.	3.5	15
44	Relationship between the Relative Dielectric Constant and the Monomer Sequence of Acrylonitrile in Rubber. <i>ACS Omega</i> , 2020, 5, 16255-16262.	3.5	6
45	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.	4.1	14
46	Fluoropolymer Nanoparticles Prepared Using Trifluoropropene Telomer Based Fluorosurfactants. <i>Langmuir</i> , 2020, 36, 1754-1760.	3.5	6
47	Structure and Properties of Hybrid Film Fabricated by Spin-Assisted Layer-by-Layer Assembly of Sacran and Imogolite Nanotubes. <i>Langmuir</i> , 2020, 36, 1718-1726.	3.5	10
48	Molecular Design and Characterization of Ionic Monomers with Varying Ion Pair Interaction Energies. <i>Macromolecules</i> , 2020, 53, 1629-1637.	4.8	12
49	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.	4.7	22
50	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.	3.5	8
51	Synthesis and Hydration Behavior of a Hydrolysis-Resistant Quasi-Choline Phosphate Zwitterionic Polymer. <i>Biomacromolecules</i> , 2020, 21, 2125-2131.	5.4	13
52	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.	4.4	2
53	Crystal polymorphism of polylactide and its composites by X-ray diffraction study. <i>Polymer Journal</i> , 2020, 52, 755-763.	2.7	42
54	Organic-Inorganic Hybrid Films Fabricated from Cellulose Fibers and Imogolite Nanotubes. <i>Biomacromolecules</i> , 2019, 20, 3566-3574.	5.4	13

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55	Preface to the Interfaces and Biology 1: Mechanobiology Special Issue. Langmuir, 2019, 35, 7333-7334.	3.5	0
56	Pre- and Post-Vulcanization of Large and Small Natural Rubber Latex Particles: Film-Forming Behavior and Mechanical Properties. Macromolecular Materials and Engineering, 2019, 304, 1900283.	3.6	4
57	Nanocomposite Elastomers Composed of Silica Nanoparticles Grafted with a Comb-Shaped Copolymer Brush. Macromolecules, 2019, 52, 5963-5970.	4.8	20
58	Advantages of bulge testing and rupture mechanism of glassy polymer films. Polymer, 2019, 179, 121632.	3.8	17
59	Elevation of the flow temperature of gels formed by nano fibers of Poly(l-lactic acid) by surface crystallization induced by block copolymers. Polymer, 2019, 181, 121768.	3.8	2
60	Molecular aggregation structure and water repellency of Poly(perfluorohexyl acrylate) with a carbamate linkage. Polymer, 2019, 182, 121846.	3.8	8
61	Investigation of Deformation Behavior of Thiourethane Elastomers Using In Situ X-ray Scattering, Diffraction, and Absorption Methods. Macromolecules, 2019, 52, 6825-6833.	4.8	26
62	Direct visualization of the molecular orientation and microstructure of glassy transparent polymers after the scratch test based on optical microscopy and X-ray scattering. Polymer, 2019, 181, 121773.	3.8	8
63	Incorporation of Benzoxazine Pendants in Polymer Chains: A Simple Approach to Add Up Multiple Responsive Functions. Macromolecular Chemistry and Physics, 2019, 220, 1800526.	2.2	1
64	Preparation and characterization of boronic acid- functionalized halloysite nanotube/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	3.8	17
65	High-Performance Interface. , 2019, , 167-180.		0
66	Synthesis of Self-Healing Polymers by Scandium-Catalyzed Copolymerization of Ethylene and Anisylpropylenes. Journal of the American Chemical Society, 2019, 141, 3249-3257.	13.7	144
67	Direct Evaluation of Local Dynamic Viscoelastic Properties of Isotactic Polypropylene Films Based on a Dynamic 1/4-Beam X-ray Diffraction Method. ACS Macro Letters, 2019, 8, 218-222.	4.8	12
68	Preface to The 15th Pacific Polymer Conference (PPC-15) Virtual Issue. Langmuir, 2019, 35, 4413-4414.	3.5	0
69	Influence of water evaporation/absorption on the stability of glycerol-“water marbles. RSC Advances, 2019, 9, 34465-34471.	3.6	19
70	Enhanced pool boiling of ethanol on wettability-patterned surfaces. Applied Thermal Engineering, 2019, 149, 325-331.	6.0	55
71	Microphase-separated structure and mechanical properties of cycloaliphatic diisocyanate-based thiourethane elastomers. Polymer Journal, 2019, 51, 265-273.	2.7	30
72	Ion-Specific Hydration States of Zwitterionic Poly(sulfobetaine methacrylate) Brushes in Aqueous Solutions. Langmuir, 2019, 35, 1583-1589.	3.5	29

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73	Smectic ordered structure and water repellency of a poly(fluoroalkyl acrylate) with a carbamate linker. <i>Polymer Journal</i> , 2019, 51, 189-198.	2.7	8
74	Effect of Blend Composition on Scratch Behavior of Polystyrene/Poly(2,6-bis(dimethyl-4-phenyleneoxy) Blends. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800371.	2.2	7
75	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.	2.7	13
76	Preparation of High-Density Polymer Brushes with a Multihelical Structure. <i>Langmuir</i> , 2018, 34, 3283-3288.	3.5	10
77	Polymer coating glass to improve the protein antifouling effect. <i>Polymer Journal</i> , 2018, 50, 381-388.	2.7	14
78	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.	1.3	4
79	Halloysite Nanotubes: Green Nanomaterial for Functional Organic-Inorganic Nanohybrids. <i>Chemical Record</i> , 2018, 18, 986-999.	5.8	68
80	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.	4.8	17
81	Counteranion-Specific Hydration States of Cationic Polyelectrolyte Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5268-5275.	3.7	23
82	<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.	2.7	13
83	Electrospinning of non-ionic cellulose ethers/polyvinyl alcohol nanofibers: Characterization and applications. <i>Carbohydrate Polymers</i> , 2018, 181, 175-182.	10.2	63
84	Direct polymer brush grafting to polymer fibers and films by surface-initiated polymerization. <i>Polymer Journal</i> , 2018, 50, 101-108.	2.7	15
85	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.	2.3	4
86	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.	24.7	70
87	Self-healing cellulose nanocrystal-stabilized droplets for water collection under oil. <i>Soft Matter</i> , 2018, 14, 9308-9311.	2.7	10
88	Separation of Endo-cyclic 2-Methacryloyloxyethyl Choline Phosphate by Anion Exchange Approach. <i>Chemistry Letters</i> , 2018, 47, 1509-1511.	1.3	9
89	Anti-(bio)Fouling. <i>Biologically-inspired Systems</i> , 2018, , 239-257.	0.2	1
90	Direct Hydrophilic Modification of Polymer Surfaces via Surface-Initiated ATRP. <i>ACS Symposium Series</i> , 2018, , 157-168.	0.5	3

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91	Organic-Inorganic Hybrid Thin Films Fabricated by Layer-by-Layer Assembly of the Phosphorylated Cellulose Nanocrystal and Imogolite Nanotubes. <i>Langmuir</i> , 2018, 34, 13361-13367.	3.5	19
92	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.	3.5	33
93	Preparation of polymer brushes with well-controlled stereoregularity and evaluation of their functional properties. <i>Polymer Journal</i> , 2018, 50, 931-939.	2.7	5
94	Depth-Resolved Characterization of Perylenediimide Side-Chain Polymer Thin Film Structure Using Grazing-Incidence Wide-Angle X-ray Diffraction with Tender X-rays. <i>Langmuir</i> , 2018, 34, 8516-8521.	3.5	9
95	Searching for a Stable High-Performance Magnetorheological Suspension. <i>Advanced Materials</i> , 2018, 30, e1704769.	21.0	85
96	Friction Behavior of Polymer Brush Immobilized Surfaces in Good Solvents. , 2018, , 507-528.		0
97	Structure Analyses of Charged Polymer Brush Films/Water Interface by Neutron Reflectivity. <i>Hamon</i> , 2018, 28, 178-182.	0.0	0
98	Superior Properties of Polyurethane Elastomers Synthesized with Aliphatic Diisocyanate Bearing a Symmetric Structure. <i>Macromolecules</i> , 2017, 50, 1008-1015.	4.8	71
99	Strain-induced molecular aggregation states around a crack tip in a segmented polyurethane film under uniaxial stretching. <i>Polymer</i> , 2017, 116, 458-465.	3.8	14
100	Versatile anti-fouling surface design through nature-inspired approaches. <i>Green Materials</i> , 2017, 5, 14-21.	2.1	2
101	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.	3.8	8
102	Zwitterionic polymer brush grafting on anodic aluminum oxide membranes by surface-initiated atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2017, 8, 2309-2316.	3.9	35
103	Enhancement of the Hydrogen-Bonding Network of Water Confined in a Polyelectrolyte Brush. <i>Langmuir</i> , 2017, 33, 3954-3959.	3.5	44
104	Mechanically Enhanced Hyaluronic Acid Hybrid Hydrogels with Halloysite Nanotubes. <i>Chemistry Letters</i> , 2017, 46, 1217-1219.	1.3	5
105	Orientation and crystallization of regioregular poly(3-dodecylthiophene) in alumina nanopores. <i>Soft Matter</i> , 2017, 13, 4661-4666.	2.7	11
106	Aqueous lubrication of poly(etheretherketone) via surface-initiated polymerization of electrolyte monomers. <i>Polymer</i> , 2017, 116, 549-555.	3.8	27
107	Dynamic covalent diarylbibenzofuranone-modified nanocellulose: mechanochromic behaviour and application in self-healing polymer composites. <i>Polymer Chemistry</i> , 2017, 8, 2115-2122.	3.9	75
108	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.	2.6	17

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109	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.	3.8	35
110	Dimensional Characterizations from Rod Stars to Brushes of Polymers with a Low Degree of Polymerization. <i>Macromolecules</i> , 2017, 50, 324-331.	4.8	10
111	Elastomers built up through the π - π stacking association of polycyclic planar aromatic diimides. <i>RSC Advances</i> , 2017, 7, 46195-46200.	3.6	9
112	Superamphiphobic Coatings from Combination of a Biomimetic Catechol-Bearing Fluoropolymer and Halloysite Nanotubes. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700907.	3.7	22
113	Control of the primary and secondary structure of polymer brushes by surface-initiated living/controlled polymerization. <i>Polymer Chemistry</i> , 2017, 8, 5456-5468.	3.9	19
114	Effect of Charged Group Spacer Length on Hydration State in Zwitterionic Poly(sulfobetaine) Brushes. <i>Langmuir</i> , 2017, 33, 8404-8412.	3.5	63
115	Molecular Aggregation States and Physical Properties of Syndiotactic Polystyrene/Hydrogenated Polyisoprene Multiblock Copolymers with Crystalline Hard Domain. <i>Macromolecules</i> , 2017, 50, 6184-6191.	4.8	15
116	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.	7.8	39
117	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.	1.2	69
118	Interphase Structure of Oxidized Carbon Fiber Reinforced Polyamide 6 Revealed by Synchrotron Microbeam X-ray Diffraction and Infrared-Spectroscopy. <i>Kobunshi Ronbunshu</i> , 2017, 74, 91-98.	0.2	1
119	Liquid Marbles from Polymer Particles: Formation Mechanism, Physical Characterizations, and Applications. <i>Kobunshi Ronbunshu</i> , 2017, 74, 26-35.	0.2	3
120	High Performance Polyurethane Elastomers Using New Cyclaliphatic Diisocyanate. <i>Nihon Reoroji Gakkaishi</i> , 2017, 45, 261-268.	1.0	2
121	Depth-Dependent Structural Analyses in PS- <i>b</i> -P2VP Thin Films as Revealed by Grazing Incidence Small Angle Scattering in the Tender Energy Region. <i>Kobunshi Ronbunshu</i> , 2017, 74, 109-113.	0.2	3
122	(Organic/Inorganic) Hybrids Based on Natural Inorganic Nanotubes. <i>Journal of Fiber Science and Technology</i> , 2017, 73, P-204-P-205.	0.0	0
123	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.	2.3	5
124	Tribute to Toyoki Kunitake. <i>Langmuir</i> , 2016, 32, 12231-12241.	3.5	2
125	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
126	Solvent free oxidative coupling polymerization of 3-hexylthiophene (3HT) in the presence of FeCl ₃ particles. <i>RSC Advances</i> , 2016, 6, 111993-111996.	3.6	15

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127	Tribological properties of cross-linked oleophilic polymer brushes on diamond-like carbon films. <i>Polymer</i> , 2016, 89, 128-134.	3.8	15
128	Interphase structure of carbon fiber reinforced polyamide 6 revealed by microbeam X-ray diffraction with synchrotron radiation. <i>Polymer</i> , 2016, 89, 154-158.	3.8	24
129	Biobased Polymer Coating Using Catechol Derivative Urushiol. <i>Langmuir</i> , 2016, 32, 4619-4623.	3.5	45
130	Crystallization-induced structure fluctuation of crystallized microdomain structure composed of strongly segregated crystalline-crystalline diblock copolymers. <i>Polymer</i> , 2016, 102, 256-265.	3.8	8
131	Imogolite Polymer Nanocomposites. <i>Developments in Clay Science</i> , 2016, 7, 628-671.	0.5	3
132	Observation of constraint surface dynamics of polystyrene thin films by functionalization of a silsesquioxane cage. <i>Polymer</i> , 2016, 105, 487-499.	3.8	8
133	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.	4.8	13
134	Design and characterization of hybrid hydrogels composed of imogolite fibrous nanotubular clay and hyaluronic acid. <i>Polymer</i> , 2016, 100, 238-243.	3.8	13
135	Direct surface modification of poly(VDF-co-TrFE) films by surface-initiated ATRP without pretreatment. <i>RSC Advances</i> , 2016, 6, 86373-86384.	3.6	15
136	Autonomously Substitutable Organosilane Thin Films Based on Dynamic Covalent Diarylbibenzofuranone Units. <i>Chemistry Letters</i> , 2016, 45, 36-38.	1.3	8
137	Direct Characterization of In-Plane Phase Separation in Polystyrene Brush/Cyclohexane System. <i>Macromolecules</i> , 2016, 49, 4862-4866.	4.8	14
138	Effect of molecular weight on microcrystalline structure formation in polymer with perylenediimide side chain. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2275-2283.	2.1	6
139	Repeatable mechanochemical activation of dynamic covalent bonds in thermoplastic elastomers. <i>Chemical Communications</i> , 2016, 52, 10482-10485.	4.1	76
140	Long-Range Hydrophilic Attraction between Water and Polyelectrolyte Surfaces in Oil. <i>Angewandte Chemie</i> , 2016, 128, 15241-15245.	2.0	4
141	Long-Range Hydrophilic Attraction between Water and Polyelectrolyte Surfaces in Oil. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15017-15021.	13.8	103
142	Real-time displacement measurement system using phase-shifted optical pulse interferometry: Application to a seismic observation system. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 022701.	1.5	3
143	Preparation of Novel Functional Interface using Polymethyl Methacrylate/PMMA Brush with Well-Controlled Stereoregularity. <i>Journal of the Adhesion Society of Japan</i> , 2016, 52, 16-21.	0.0	0
144	Swollen structure and electrostatic interactions of polyelectrolyte brush in aqueous solution. <i>Polymer</i> , 2016, 98, 464-469.	3.8	20

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145	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.	3.8	9
146	Direct observation of polyelectrolyte brushes under wet and dry conditions by atmospheric scanning electron microscopy. <i>Microscopy (Oxford, England)</i> , 2016, 65, 139-144.	1.5	3
147	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.	3.8	14
148	Anti-fouling behavior of polymer brush immobilized surfaces. <i>Polymer Journal</i> , 2016, 48, 325-331.	2.7	133
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