Hideki Matsuoka

List of Publications by Year
in descending order

88	2,050	257101 24	264894 42
papers	citations	h-index	g-index

89	89	89	1668
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dispersions of Liquid Crystalline Phases of the Monoolein/Oleic Acid/Pluronic F127 System. Langmuir, 2002, 18, 9283-9288.	1.6	176
2	Small-Angle X-ray Scattering and 13C NMR Investigation on the Internal Structure of â€œCubosomesâ€. Langmuir, 2001, 17, 3917-3922.	1.6	157
3	â€˜â€˜Orderedâ€™â€™ structure in dilute solutions of sodium polystyrenesulfonates as studied by smallâ€angle xâ€ray scattering. Journal of Chemical Physics, 1984, 81, 3294-3306.	1.2	95
4	Water-Soluble Fluorine-Containing Amphiphilic Block Copolymer:Â Synthesis and Aggregation Behavior in Aqueous Solution. Macromolecules, 1999, 32, 7122-7127.	2.2	76
5	Micellization of Non-Surface-Active Diblock Copolymers in Water. Special Characteristics of Poly(styrene)-block-Poly(styrenesulfonate). Langmuir, 2004, 20, 7412-7421.	1.6	70
6	Non-Surface Activity and Micellization of Ionic Amphiphilic Diblock Copolymers in Water. Hydrophobic Chain Length Dependence and Salt Effect on Surface Activity and the Critical Micelle Concentration. Langmuir, 2005, 21, 9938-9945.	1.6	66
7	DirectinSituObservation of a Lipid Monolayerâ^'DNA Complex at the Airâ^'Water Interface by X-ray Reflectometry. Langmuir, 1999, 15, 5193-5196.	1.6	61
8	Fluorinated Amphiphilic Vinyl Ether Block Copolymers:Â Synthesis and Characteristics of Their Micelles in Water. Macromolecules, 2004, 37, 2256-2267.	2.2	48
9	â€˜â€˜Orderedâ€™â€™ structure in dilute solutions of biopolymers as studied by smallâ€angle xâ€ray scattering. Journal of Chemical Physics, 1985, 83, 378-387.	1.2	47
10	Self-Assembly of Poly(1,1-diethylsilabutane)-block-poly(2-hydroxyethyl methacrylate) Block Copolymer. 1. Micelle Formation and Micelleâ^'Unimerâ^'Reversed Micelle Transition by Solvent Composition. Macromolecules, 1999, 32, 7437-7443.	2.2	47
11	Exact Evaluation of the Salt Concentration Dependence of Interparticle Distance in Colloidal Crystals by Ultra-Small-Angle X-ray Scattering. 2. The Universality of the Maximum in the Interparticle Distanceâ^'Salt Concentration Relationship. Langmuir, 1996, 12, 5588-5594.	1.6	46
12	Direct Observation of Photoisomerization of a Polymer Monolayer on a Water Surface by X-ray Reflectometry. Langmuir, 1999, 15, 2237-2240.	1.6	44
13	Polymer Micelle Formation without Gibbs Monolayer Formation:Â Synthesis and Characteristic Behavior of an Amphiphilic Diblock Copolymer Having Strong Acid Groups. Macromolecules, 2003, 36, 5321-5330.	2.2	44
14	Characterization of Micellization Behavior of Amphiphilic Polymer Having Octadecyl Group by Small-Angle X-ray and Neutron Scattering. Macromolecules, 1999, 32, 4023-4029.	2.2	41
15	Perfluoroalkyl-philic Character of Poly(2-hydroxyethyl vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (ether)-block-poly[2 (2 Solubilization of Perfluorinated Compounds. Macromolecules, 2000, 33, 8295-8300.	2.2	41
16	Synthesis, Chiroptical Properties, and Photoresponsiveness of Optically Active Poly(m-phenyleneethynylene)s Containing Azobenzene Moieties. Macromolecules, 2011, 44, 3338-3345.	2.2	40
17	Incorporating Diblock Copolymer Nanoparticles into Calcite Crystals: Do Anionic Carboxylate Groups Alone Ensure Efficient Occlusion?. ACS Macro Letters, 2016, 5, 311-315.	2.3	40
18	An Exact Evaluation of Salt Concentration Dependence of Interparticle Distance in Colloidal Crystals by Ultra-Small-Angle X-ray Scattering. 3. Confirmation of Solidâ^'Liquid Transition by Three-Dimensional Paracrystal Analysis. Langmuir, 1999, 15, 573-577.	1.6	37

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19	Exact Evaluation of Characteristic Protonation of Poly(vinylamine) in Aqueous Solution. The Journal of Physical Chemistry, 1996, 100, 9000-9005.	2.9	36
20	Non-surface Activity and Micellization Behavior of Cationic Amphiphilic Block Copolymer Synthesized by Reversible Additionâ€“Fragmentation Chain Transfer Process. Langmuir, 2011, 27, 9237-9244.	1.6	36
21	â€˜Orderedâ€™ Structure of Polyallylamine Hydrochloride in Dilute Solutions as Studied by Small Angle X-ray Scattering. British Polymer Journal, 1986, 18, 242-246.	0.7	35
22	Effect of counterion species on the dynamics of polystyrenesulfonate in aqueous solution as studied by dynamic light scattering. Journal of Chemical Physics, 1998, 109, 6125-6132.	1.2	34
23	Molecular weight dependence of non-surface activity for ionic amphiphilic diblock copolymers. Soft Matter, 2012, 8, 9140.	1.2	33
24	Synthesis of core-crosslinked carbosilane block copolymer micelles and their thermal transformation to silicon-based ceramics nanoparticles. Journal of Polymer Science Part A, 2005, 43, 3778-3787.	2.5	32
25	X-ray Reflectivity Study of Anionic Amphiphilic Carbosilane Block Copolymer Monolayers on a Water Surface. Langmuir, 2002, 18, 3865-3874.	1.6	23
26	Synthesis of Novel Silicon-Containing Amphiphilic Diblock Copolymers and Their Self-Assembly Formation in Solution and at Air/Water Interface. Macromolecules, 2002, 35, 555-565.	2.2	23
27	Carpetlike dense-layer formation in a polyelectrolyte brush at the air/water interface. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1921-1928.	2.4	23
28	pH-Sensitive Adsorption Behavior of Polymer Particles at the Airâ€“Water Interface. Langmuir, 2017, 33, 1451-1459.	1.6	23
29	Synthesis of Shell Cross-Linked Block Copolymer Micelles with Poly(p-styrenesulfonic acid) in the Micelle Core. Macromolecules, 2005, 38, 9957-9962.	2.2	22
30	Effect of pH on the nanostructure of an amphiphilic carbosilane/methacrylic acid block copolymer at air/water interface. Journal of Applied Crystallography, 2003, 36, 722-726.	1.9	21
31	Nanostructure and Salt Effect of Zwitterionic Carboxybetaine Brush at the Air/Water Interface. Langmuir, 2015, 31, 4827-4836.	1.6	20
32	Self-Assembly of Poly(1,1-diethylsilabutane)-block-poly(2-hydroxyethyl methacrylate) Block Copolymer. 2. Monolayer at the Airâ^Water Interface. Macromolecules, 1999, 32, 6088-6092.	2.2	19
33	Nanostructure of a Poly(acrylic acid) Brush and Its Transition in the Amphiphilic Diblock Copolymer Monolayer on the Water Surface. Langmuir, 2009, 25, 13752-13762.	1.6	19
34	Photoresponsive Block Copolymer: Synthesis, Characterization, and Surface Activity Control. Langmuir, 2014, 30, 3957-3966.	1.6	19
35	Synthesis of water-dispersible, fluorinated particles with grafting sulfonate chains by the core crosslinking of block copolymer micelles. Journal of Polymer Science Part A, 2007, 45, 1316-1323.	2.5	18
36	Temperature-Responsive Behavior of Double Hydrophilic Carboxy-Sulfobetaine Block Copolymers and Their Self-Assemblies in Water. Langmuir, 2019, 35, 1571-1582.	1.6	17

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37	â€œOrderedâ€•Distribution of Ionic Micelles in Dilute Solutions of Alkyltrimethylammonium Chloride as Studied by Smallâ€Angle Xâ€ray Scattering. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1986, 90, 50-57.	0.9	16
38	Evaluation of Distribution of Protons and Electrostatic Potential in Poly(allylamine hydrochloride) Solution by the pH Indicator Method. The Journal of Physical Chemistry, 1996, 100, 790-796.	2.9	16
39	Nanostructure of a Photochromic Polymer/Liquid Crystal Hybrid Monolayer on a Water Surface Observed by in Situ X-ray Reflectometry. Langmuir, 2002, 18, 3875-3879.	1.6	16
40	Synthesis of silicon nitride based ceramic nanoparticles by the pyrolysis of silazane block copolymer micelles. Journal of Polymer Science Part A, 2006, 44, 4696-4707.	2.5	16
41	An Introduction to the Crystallographre's World. 1. An Introduction to Small-angle Scattering.. Nihon Kessho Gakkaishi, 1999, 41, 213-226.	0.0	16
42	The Importance of a Direct in Situ Evaluation of an Amphiphilic Diblock Copolymer Monolayer. The Similarity and Difference between Its Nanostructures on Water and on Solid Substrates Examined by X-ray Reflectometry and Atomic Force Microscopyâ€. Langmuir, 1999, 15, 4295-4301.	1.6	15
43	Synthesis of anionic amphiphilic carbosilane block copolymer: Poly(1,1-diethylsilacyclobutane-block-methacrylic acid). Journal of Polymer Science Part A, 2001, 39, 86-92.	2.5	15
44	Nanostructure of Poly(N-isopropylacrylamide) Brush at the Air/Water Interface and Its Responsivity to Temperature and Salt. Langmuir, 2016, 32, 8383-8391.	1.6	15
45	Small-Angle X-ray Scattering Study of Gelling Silica-Organic Polymer Solution: Systems Containing Poly(Sodium Styrenesulfonate). Journal of the American Ceramic Society, 1992, 75, 971-975.	1.9	14
46	Why Ionic Amphiphilic â€œBlockâ€•Copolymer Can Be Non-surface Active? Comparison of Homopolymer, Block and Random Copolymers of Poly(styrenesulfonate). Chemistry Letters, 2012, 41, 1063-1065.	0.7	14
47	Critical Brush Density for the Transition between Carpet-Only and Carpet/Brush Double-Layered Structures1. Langmuir, 2005, 21, 6842-6845.	1.6	13
48	Chain Length Dependence of Non-Surface Activity and Micellization Behavior of Cationic Amphiphilic Diblock Copolymers. Langmuir, 2014, 30, 3319-3328.	1.6	13
49	Salt-dependent surface activity and micellization behaviour of zwitterionic amphiphilic diblock copolymers having carboxybetaine. Colloid and Polymer Science, 2015, 293, 1317-1328.	1.0	13
50	Synthesis and hydrogel formation of fluorine-containing amphiphilic ABA triblock copolymers. Journal of Polymer Science Part A, 2001, 39, 3751-3760.	2.5	12
51	X-ray Reflectivity Study of the Effect of Ion Species on Nanostructure and Its Transition of Poly(styrenesulfonate) Brush at the Air/Water Interface. Chemistry Letters, 2012, 41, 1060-1062.	0.7	12
52	pH-responsive non-surface-active/surface-active transition of weakly ionic amphiphilic diblock copolymers. Colloid and Polymer Science, 2014, 292, 797-806.	1.0	12
53	Critical Brush Density for the Transition between Carpet-Only and Carpet/Brush Double-Layered Structures. 2. Hydrophilic Chain Length Dependence. Macromolecules, 2007, 40, 766-769.	2.2	11
54	Formation of Sulfobetaine-Containing Entirely Ionic PIC (Polyion Complex) Micelles and Their Temperature Responsivity. Langmuir, 2020, 36, 10130-10137.	1.6	11

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55	Ultra-small-angle X-ray Scattering Study of the Structure of Colloidal Dispersions.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1991, 67, 170-175.	1.6	10
56	Synthesis and Solution Behavior of the Silicon-Containing Amphiphilic Block Copolymer, Polystyrene-b-Poly(3-hydroxymethylsilacyclobutane). Polymer Journal, 1999, 31, 609-613.	1.3	10
57	Amphiphilic Brush-Like Copolymers Involving Hydrophobic Amino Acid- and Oligopeptide-Side Chains for Optical Tumor Imaging In Vivo. Bulletin of the Chemical Society of Japan, 2012, 85, 1277-1286.	2.0	10
58	Photocleavable amphiphilic diblock copolymer micelles bearing a nitrobenzene block. Colloid and Polymer Science, 2016, 294, 879-887.	1.0	10
59	Synthesis and Stimuli Responsivity of Diblock Copolymers Composed of Sulfobetaine and Ionic Blocks: Influence of the Block Ratio. Langmuir, 2019, 35, 1590-1597.	1.6	10
60	Exact Evaluation of the Salt Concentration Dependence of Interparticle Distance in Colloidal Crystals by Ultra-Small-Angle X-ray Scattering. 4. Effect of Counterion Species and the Possibility of New Factors for Colloidal Crystal Formation. Langmuir, 2000, 16, 1612-1619.	1.6	9
61	Quantitative analysis of â€œpolymer-ballsâ€•in aqueous solutions by small-angle neutron scattering. Macromolecular Research, 2002, 10, 311-317.	1.0	9
62	Collapse Behavior of Polyion Complex (PIC) Micelles upon Salt Addition and Reforming Behavior by Dialysis and Its Temperature Responsivity. Langmuir, 2020, 36, 15485-15492.	1.6	9
63	Effects of Halide Anions on the Solution Behavior of Double Hydrophilic Carboxy-Sulfobetaine Block Copolymers. Langmuir, 2020, 36, 5165-5175.	1.6	8
64	Anionic Ring-Opening Polymerization of Silacyclopropanes. Macromolecules, 2003, 36, 1474-1479.	2.2	7
65	Observation of Two-Step Neutralization in Conductivity and Potentiometric Titration Curve in Polymer Grafted Charged Colloidal Systems. Macromolecules, 2006, 39, 2016-2020.	2.2	6
66	Effect of Chain Length and Salt on the Temperature-Responsive Cationic Amphiphilic Diblock Copolymer. Journal of Chemical and Biological Interfaces, 2013, 1, 41-48.	0.3	6
67	Effect of Counterion Species on Colloidal Crystal. Langmuir, 2005, 21, 7105-7108.	1.6	5
68	Synthesis of protonâ€conducting block copolymer membranes composed of a fluorinated segment and a sulfonic acid segment. Journal of Polymer Science Part A, 2008, 46, 4479-4485.	2.5	5
69	Nanostructure of Cationic Polymer Brush at the Air/Water Interface. MATEC Web of Conferences, 2013, 4, 04001.	0.1	5
70	Synthesis of Biocompatible Polysaccharide Analogues and Their Application to In Vivo Optical Tumor Imaging. Bulletin of the Chemical Society of Japan, 2015, 88, 792-803.	2.0	5
71	Surface Active to Non-Surface Active Transition and Micellization Behaviour of Zwitterionic Amphiphilic Diblock Copolymers: Hydrophobicity and Salt Dependency. Polymers, 2017, 9, 412.	2.0	5
72	Complex Formation of Sulfobetaine Surfactant and Ionic Polymers and Their Stimuli Responsivity. Langmuir, 2020, 36, 12990-13000.	1.6	5

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73	EFFECT OF IONIC SIZES OF HALIDE ANIONS OF POTASSIUM SALTS ON SURFACE AND INTERFACIAL TENSIONS OF BENZENE AND WATER INTERFACES FOR MUTUAL MIXING. Surface Review and Letters, 2009, 16, 743-747.	0.5	4
74	Effects of pH on the Stimuli-Responsive Characteristics of Double Betaine Hydrophilic Block Copolymer PGLBT-b-PSPE. Langmuir, 2020, 36, 1727-1736.	1.6	4
75	Determination of Cluster Size in Polyelectrolyte Solutions by Small-Angle Neutron Scattering. ACS Symposium Series, 1993, , 349-363.	0.5	3
76	Anomalous Surface Tension and Micellization Behavior of Ionic Amphiphilic Diblock Copolymers in Seawater. Chemistry Letters, 2015, 44, 1622-1624.	0.7	3
77	Fundamental properties, self-assembling behavior, and their temperature and salt responsivity of ionic amphiphilic diblock copolymer having poly(N-isopropylacrylamide) in aqueous solution. Colloid and Polymer Science, 2018, 296, 77-88.	1.0	3
78	One-pot synthesis of double and triple polybetaine block copolymers and their temperature-responsive solution behavior. Colloid and Polymer Science, 2021, 299, 1-13.	1.0	3
79	Ordering and organization in ionic solutions and emulsions. Angewandte Makromolekulare Chemie, 1989, 166, 111-130.	0.3	2
80	Comparison of USAXS information with RMSA prediction for the effect of added salt on colloidal crystal structure. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 78-90.	2.4	2
81	Characterization of sodium poly(4-styrenesulfonate)-grafted polymer fine particles synthesized by core-cross-linking of block copolymer micelles. Science and Technology of Advanced Materials, 2006, 7, 566-571.	2.8	2
82	Morphology transition of polyion complex (PIC) micelles with carboxybetaine as a shell induced at different block ratios and their pH-responsivity. Colloid and Polymer Science, 2022, 300, 125-138.	1.0	2
83	Complex Formation in the Sulfobetaine-Containing Entirely Ionic Block Copolymer/Ionic Homopolymer System and Their Temperature Responsivity. Langmuir, 2021, 37, 14733-14743.	1.6	2
84	Dynamics on Molecular Films. The Application of the X-ray Reflectometry to the Monolayer Adsorbed at the Air-Water Interface.. Hyomen Kagaku, 2000, 21, 615-622.	0.0	0
85	Introduction to Small-angle X-ray and Neutron Scattering. Journal of Japan Oil Chemists' Society, 2000, 49, 1163-1171,1300.	0.3	0
86	Viscosity Behavior and Electroviscous Effect of Ionic Polymer Solutions.. Seibutsu Butsuri, 1991, 31, 79-84.	0.0	0
87	Small-angle Neutron Scattering Analysis of Self-Assembly in Surfactant Systems. Journal of Japan Oil Chemists' Society, 1996, 45, 1087-1097,1207.	0.3	0
88	Frontiers in Crystallography with Synchrotron Radiation. Utilizing of Various Properties of Synchrotron Radiation. Study on Colloids by Ultra-Small-Angle Scattering.. Nihon Kessho Gakkaishi, 1997, 39, 105-109.	0.0	0