

# Mitsuhiro Shibayama

## List of Publications by Year in descending order

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323  
papers

16,308  
citations

17776

65  
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27587

110  
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325  
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325  
docs citations

325  
times ranked

10831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Star-Polymer-DNA Gels Showing Highly Predictable and Tunable Mechanical Responses. <i>Advanced Materials</i> , 2022, 34, e2108818.	11.1	14
2	Nanoscale Structures of Poly(oligo ethylene glycol methyl ether methacrylate) Hydrogels Revealed by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2022, 55, 1844-1854.	2.2	3
3	Surface Functionalization of Non-Woven Fabrics Using a Novel Silica-Resin Coating Technology: Antiviral Treatment of Non-Woven Fabric Filters in Surgical Masks. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3639.	1.2	7
4	Photocatalytic Silica-Resin Coating for Environmental Protection of Paper as a Plastic Substitute. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 6967-6972.	1.8	2
5	Modern Alchemy: Making Plastics from Paper. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 355-360.	1.8	8
6	Nanostructure and thermoresponsiveness of poly( <i>N</i> -isopropyl methacrylamide)-based hydrogel microspheres prepared via aqueous free radical precipitation polymerization. <i>RSC Advances</i> , 2021, 11, 13130-13137.	1.7	3
7	Neutralization and Salt Effect on the Structure and Mechanical Properties of Polyacrylic Acid Gels under Equivolume Conditions. <i>Gels</i> , 2021, 7, 69.	2.1	2
8	Microphase separation of stimuli-responsive interpenetrating network microgels investigated by scattering methods. <i>Journal of Colloid and Interface Science</i> , 2021, 597, 297-305.	5.0	15
9	Mechanical properties of temperature-responsive gels containing ethylene glycol in their side chains. <i>Soft Matter</i> , 2020, 16, 10946-10953.	1.2	8
10	Mechanism of heat-induced gelation for ovalbumin under acidic conditions and the effect of peptides. <i>Polymer Journal</i> , 2020, 52, 1263-1272.	1.3	8
11	Selective Doping of Positive and Negative Spatial Defects into Polymer Gels by Tuning the Pregel Packing Conditions of Star Polymers. <i>Macromolecules</i> , 2020, 53, 7537-7545.	2.2	16
12	Swelling Behaviors of Hydrogels with Alternating Neutral/Highly Charged Sequences. <i>Macromolecules</i> , 2020, 53, 8244-8254.	2.2	17
13	Interfacial Cross-Link Inhomogeneity of a Phenolic Resin on a Silica Surface As Revealed by X-ray and Neutron Reflection Measurements. <i>Macromolecules</i> , 2020, 53, 4082-4089.	2.2	7
14	Quantitative Structure Analysis of a Near-Ideal Polymer Network with Deuterium Label by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2020, 53, 4047-4054.	2.2	8
15	A Simple and Versatile Method for the Construction of Nearly Ideal Polymer Networks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9646-9652.	7.2	30
16	Nanostructures and Viscosities of Nafion Dispersions in Water/Ethanol from Dilute to Concentrated Regimes. <i>Macromolecules</i> , 2020, 53, 1464-1473.	2.2	15
17	Quantification for the Mixing of Polymers on Microspheres in Waterborne Latex Films. <i>Langmuir</i> , 2020, 36, 4855-4862.	1.6	5
18	A Simple and Versatile Method for the Construction of Nearly Ideal Polymer Networks. <i>Angewandte Chemie</i> , 2020, 132, 9733-9739.	1.6	4

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19	Dynamics of Critical Clusters Synthesized by End-Coupling of Four-Armed Poly(ethylene glycol)s. <i>Macromolecules</i> , 2019, 52, 5086-5094.	2.2	9
20	Non-thermoresponsive Decano-sized Domains in Thermo-responsive Hydrogel Microspheres Revealed by Temperature-Controlled High-Speed Atomic Force Microscopy. <i>Angewandte Chemie</i> , 2019, 131, 8901-8905.	1.6	4
21	In situ residual stress analysis in a phenolic resin and copper composite material during curing. <i>Polymer</i> , 2019, 182, 121857.	1.8	14
22	Transport and Mechanical Properties of ABA-type Triblock Copolymer Ion Gels Correlated with Their Microstructures. <i>Macromolecules</i> , 2019, 52, 8430-8439.	2.2	20
23	Chiral crystal-like droplets displaying unidirectional rotational sliding. <i>Nature Materials</i> , 2019, 18, 266-272.	13.3	17
24	Concentration dependence of the dynamics of microgel suspensions investigated by dynamic light scattering. <i>Soft Matter</i> , 2019, 15, 5390-5399.	1.2	17
25	Non-thermoresponsive Decano-sized Domains in Thermo-responsive Hydrogel Microspheres Revealed by Temperature-Controlled High-Speed Atomic Force Microscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8809-8813.	7.2	33
26	Hydrogel Microellipsoids that Form Robust String-Like Assemblies at the Air/Water Interface. <i>Angewandte Chemie</i> , 2019, 131, 7372-7376.	1.6	2
27	Hydrogel Microellipsoids that Form Robust String-Like Assemblies at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7294-7298.	7.2	19
28	Polymer gel with a flexible and highly ordered three-dimensional network synthesized via bond percolation. <i>Science Advances</i> , 2019, 5, eaax8647.	4.7	69
29	Formation of Clusters in Whiskies During the Maturation Process. <i>Journal of Food Science</i> , 2019, 84, 59-64.	1.5	14
30	Network structure evolution of a hexamethylenetetramine-cured phenolic resin. <i>Polymer Journal</i> , 2019, 51, 155-160.	1.3	13
31	Viscoelastic change of block copolymer ion gels in a photo-switchable azobenzene ionic liquid triggered by light. <i>Chemical Communications</i> , 2019, 55, 1710-1713.	2.2	26
32	Rheo-SANS study on relationship between micellar structures and rheological behavior of cationic gemini surfactants in solution. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 357-366.	5.0	17
33	Gels: From Soft Matter to BioMatter. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 1121-1128.	1.8	31
34	Dynamics of thermo-responsive conetwork gels composed of poly(ethylene glycol) and poly(ethyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (metha	1.8	3
35	Ion Gel Network Formation in an Ionic Liquid Studied by Time-Resolved Small-Angle Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9419-9424.	1.2	8
36	Dynamic Fluctuations of Thermo-responsive Poly(oligo-ethylene glycol methyl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (metha 8932-8939.	2.2	20

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37	Sulfonated Polyimide/Ionic Liquid Composite Membranes for CO <sub>2</sub> Separation: Transport Properties in Relation to Their Nanostructures. <i>Macromolecules</i> , 2018, 51, 7112-7120.	2.2	40
38	Small-angle scattering study of tetra-poly(acrylic acid) gels. <i>Journal of Chemical Physics</i> , 2018, 149, 163301.	1.2	12
39	Small-angle X-ray scattering study on nano-scale structures controlled by water content in a binary water/ionic liquid system. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18355-18360.	1.3	6
40	Diffusion Behavior of Methanol Molecules Confined in Cross-Linked Phenolic Resins Studied Using Neutron Scattering and Molecular Dynamics Simulations. <i>Macromolecules</i> , 2018, 51, 6334-6343.	2.2	12
41	Insight into the Microscopic Structure of Module-Assembled Thermo-responsive Conetwork Hydrogels. <i>Macromolecules</i> , 2018, 51, 6645-6652.	2.2	14
42	(Keynote) Preparation and Structural Investigation of Linear and 4-Arm Poly(ethylene glycol) (2 x 4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.0	0
43	SANS Study on Critical Polymer Clusters of Tetra-Functional Polymers. <i>Macromolecules</i> , 2017, 50, 3655-3661.	2.2	14
44	Microscopic Structure of the "Nonswellable" Thermo-responsive Amphiphilic Conetwork. <i>Macromolecules</i> , 2017, 50, 3388-3395.	2.2	31
45	Microscopic Structure of Solvated Poly(benzyl methacrylate) in an Imidazolium-Based Ionic Liquid: High-Energy X-ray Total Scattering and All-Atom MD Simulation Study. <i>Macromolecules</i> , 2017, 50, 4780-4786.	2.2	27
46	Structure and Rheology of Wormlike Micelles Formed by Fluorocarbon-Hydrocarbon-Type Hybrid Gemini Surfactant in Aqueous Solution. <i>Langmuir</i> , 2017, 33, 6084-6091.	1.6	32
47	Probe Diffusion of Sol-Gel Transition in an Isorefractive Polymer Solution. <i>Macromolecules</i> , 2017, 50, 2916-2922.	2.2	19
48	Solvated Structure of Cellulose in a Phosphonate-Based Ionic Liquid. <i>Macromolecules</i> , 2017, 50, 6509-6517.	2.2	25
49	Decisive test of the ideal behavior of tetra-PEG gels. <i>Journal of Chemical Physics</i> , 2017, 146, 164905.	1.2	26
50	Mesoscopic Structural Aspects of Ca <sup>2+</sup> -Triggered Polymer Chain Folding of a Tetraphenylethene-Appended Poly(acrylic acid) in Relation to Its Aggregation-Induced Emission Behavior. <i>Macromolecules</i> , 2017, 50, 5940-5945.	2.2	34
51	Effect of substrate concentrations on the aggregation behavior and dynamic oscillatory properties of self-oscillating block copolymers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20627-20634.	1.3	4
52	Permeation of Water through Hydrogels with Controlled Network Structure. <i>Macromolecules</i> , 2017, 50, 9411-9416.	2.2	22
53	Amoeba-like self-oscillating polymeric fluids with autonomous sol-gel transition. <i>Nature Communications</i> , 2017, 8, 15862.	5.8	58
54	Probe Diffusion during Sol-Gel Transition of a Radical Polymerization System Using Isorefractive Dynamic Light Scattering. <i>Macromolecules</i> , 2017, 50, 9726-9733.	2.2	12

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55	Probe-SAXS on hydrogels under elongation. <i>Soft Matter</i> , 2016, 12, 5334-5339.	1.2	11
56	Transitions of Aggregation States for Concentrated Carbon Nanotube Dispersion. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5776-5782.	1.5	14
57	Cross-link inhomogeneity in phenolic resins at the initial stage of curing studied by <sup>1</sup> H-pulse NMR spectroscopy and complementary SAXS/WAXS and SANS/WANS with a solvent-swelling technique. <i>Polymer</i> , 2016, 103, 152-162.	1.8	32
58	Large-scale molecular dynamics simulation of crosslinked phenolic resins using pseudo-reaction model. <i>Polymer</i> , 2016, 103, 261-276.	1.8	34
59	Pressure Response of a Thermoresponsive Polymer in an Ionic Liquid. <i>Macromolecules</i> , 2016, 49, 8249-8253.	2.2	5
60	SANS study on the solvated structure and molecular interactions of a thermo-responsive polymer in a room temperature ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17881-17889.	1.3	15
61	Fabrication and Structural Characterization of Module-Assembled Amphiphilic Conetwork Gels. <i>Macromolecules</i> , 2016, 49, 4940-4947.	2.2	38
62	Mechanism of heat-induced gelation for ovalbumin and its N-terminus cleaved form. <i>Polymer</i> , 2016, 93, 152-158.	1.8	10
63	Structural study on aggregation behavior of star-type trimeric surfactant in the presence of sodium salicylate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 109-116.	2.3	18
64	Carbon Dioxide Separation Using a High-toughness Ion Gel with a Tetra-armed Polymer Network. <i>Chemistry Letters</i> , 2015, 44, 17-19.	0.7	34
65	Multiblock copolymers exhibiting spatio-temporal structure with autonomous viscosity oscillation. <i>Scientific Reports</i> , 2015, 5, 15792.	1.6	22
66	Rubber elasticity for percolation network consisting of Gaussian chains. <i>Journal of Chemical Physics</i> , 2015, 143, 184905.	1.2	24
67	Self-oscillating AB diblock copolymer developed by post modification strategy. <i>Chaos</i> , 2015, 25, 064605.	1.0	24
68	Electrophoretic mobility of semi-flexible double-stranded DNA in defect-controlled polymer networks: Mechanism investigation and role of structural parameters. <i>Journal of Chemical Physics</i> , 2015, 142, 234904.	1.2	8
69	Reliable Hydrogel with Mechanical "Fuse Link" in an Aqueous Environment. <i>Advanced Materials</i> , 2015, 27, 7407-7411.	11.1	51
70	Phase Behavior of Block Copolymers in Selective Supercritical Solvent. <i>Macromolecules</i> , 2015, 48, 3590-3597.	2.2	7
71	Dynamic light scattering study of the curing mechanisms of novolac-type phenolic resins. <i>Polymer Journal</i> , 2015, 47, 428-433.	1.3	16
72	Gelation and cross-link inhomogeneity of phenolic resins studied by small- and wide-angle X-ray scattering and <sup>1</sup> H-pulse NMR spectroscopy. <i>Polymer</i> , 2015, 59, 226-233.	1.8	28

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73	Gelation Kinetics and Polymer Network Dynamics of Homogeneous Tetra-PEG Gels. <i>Macromolecular Symposia</i> , 2015, 348, 9-13.	0.4	6
74	Microscopic Solvation Structure of Glucose in 1-Ethyl-3-methylimidazolium Methylphosphonate Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6262-6270.	1.2	9
75	Structural Analysis of Lipophilic Polyelectrolyte Solutions and Gels in Low-Polar Solvents. <i>Macromolecules</i> , 2015, 48, 3613-3621.	2.2	8
76	Structural evolution of a catalyst ink for fuel cells during the drying process investigated by CV-SANS. <i>Polymer Journal</i> , 2015, 47, 546-555.	1.3	53
77	Gelation Mechanism of Tetra-armed Poly(ethylene glycol) in Aprotic Ionic Liquid Containing Nonvolatile Proton Source, Protic Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4795-4801.	1.2	14
78	Supercoiling transformation of chemical gels. <i>Soft Matter</i> , 2015, 11, 7101-7108.	1.2	4
79	Self-Oscillating Vesicles: Spontaneous Cyclic Structural Changes of Synthetic Diblock Copolymers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11248-11252.	7.2	62
80	Kinetic Aspect on Gelation Mechanism of Tetra-PEG Hydrogel. <i>Macromolecules</i> , 2014, 47, 3274-3281.	2.2	76
81	Water-in-Ionic Liquid Microemulsion Formation in Solvent Mixture of Aprotic and Protic Imidazolium-Based Ionic Liquids. <i>Langmuir</i> , 2014, 30, 11890-11896.	1.6	29
82	Multiscale Dynamics of Inhomogeneity-Free Polymer Gels. <i>Macromolecules</i> , 2014, 47, 763-770.	2.2	29
83	Small-Angle Neutron Scattering Study on Defect-Controlled Polymer Networks. <i>Macromolecules</i> , 2014, 47, 1801-1809.	2.2	43
84	SANS and DLS Study of Tacticity Effects on Hydrophobicity and Phase Separation of Poly( <i>N</i> -isopropylacrylamide). <i>Macromolecules</i> , 2013, 46, 6225-6232.	2.2	65
85	Acid-base property of protic ionic liquid, 1-alkylimidazolium bis(trifluoromethanesulfonyl)amide studied by potentiometric titration. <i>Journal of Molecular Liquids</i> , 2013, 188, 143-147.	2.3	20
86	Small-Angle Neutron Scattering Study on Aggregation of 1-Alkyl-3-methylimidazolium Based Ionic Liquids in Aqueous Solution. <i>Journal of Solution Chemistry</i> , 2013, 42, 1888-1901.	0.6	13
87	Self-oscillating micelles. <i>Chemical Communications</i> , 2013, 49, 6947.	2.2	67
88	Gelation and cross-link inhomogeneity of phenolic resins studied by <sup>13</sup> C-NMR spectroscopy and small-angle X-ray scattering. <i>Soft Matter</i> , 2013, 9, 4188.	1.2	35
89	Gelation process of Tetra-PEG ion-gel investigated by time-resolved dynamic light scattering. <i>Polymer</i> , 2013, 54, 1160-1166.	1.8	20
90	Solvation Structure of Poly(ethylene glycol) in Ionic Liquids Studied by High-energy X-ray Diffraction and Molecular Dynamics Simulations. <i>Macromolecules</i> , 2013, 46, 2369-2375.	2.2	33

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91	Mechanical properties of a polymer network of Tetra-PEG gel. <i>Polymer Journal</i> , 2013, 45, 300-306.	1.3	46
92	Structural Study on the UCST-Type Phase Separation of Poly( <i>N</i> -isopropylacrylamide) in Ionic Liquid. <i>Macromolecules</i> , 2013, 46, 1101-1106.	2.2	31
93	Correlation between Local and Global Inhomogeneities of Chemical Gels. <i>Macromolecules</i> , 2013, 46, 9772-9781.	2.2	20
94	Dynamic light scattering microscope: Accessing opaque samples with high spatial resolution. <i>Optics Express</i> , 2013, 21, 20260.	1.7	17
95	Communication: Collective dynamics of room-temperature ionic liquids and their Li ion solutions studied by high-resolution inelastic X-ray scattering. <i>Journal of Chemical Physics</i> , 2013, 138, 151101.	1.2	15
96	Brønsted Basicity of Solute Butylamine in an Aprotic Ionic Liquid Investigated by Potentiometric Titration. <i>Chemistry Letters</i> , 2013, 42, 1250-1251.	0.7	16
97	Rubber elasticity for incomplete polymer networks. <i>Journal of Chemical Physics</i> , 2012, 137, 224903.	1.2	40
98	Relationship between mesoscale dynamics and shear relaxation of ionic liquids with long alkyl chain. <i>Journal of Chemical Physics</i> , 2012, 137, 104511.	1.2	35
99	Structural and Rheological Studies on Growth of Salt-Free Wormlike Micelles Formed by Star-Type Trimeric Surfactants. <i>Langmuir</i> , 2012, 28, 16798-16806.	1.6	36
100	CHAPTER 2. Fabrication, Structure, Mechanical Properties, and Applications of Tetra-PEG Hydrogels. <i>Monographs in Supramolecular Chemistry</i> , 2012, , 7-38.	0.2	2
101	Effect of swelling and deswelling on the elasticity of polymer networks in the dilute to semi-dilute region. <i>Soft Matter</i> , 2012, 8, 2730.	1.2	66
102	Structural Analysis of High Performance Ion-Gel Comprising Tetra-PEG Network. <i>Macromolecules</i> , 2012, 45, 3902-3909.	2.2	42
103	Pressure Effects on Cononsolvency Behavior of Poly( <i>N</i> -isopropylacrylamide) in Water/DMSO Mixed Solvents. <i>Macromolecules</i> , 2012, 45, 2171-2174.	2.2	25
104	Kinetic Study for AB-Type Coupling Reaction of Tetra-Arm Polymers. <i>Macromolecules</i> , 2012, 45, 1031-1036.	2.2	45
105	Microscopic insights into ion gel dynamics using neutron spectroscopy. <i>Soft Matter</i> , 2012, 8, 7888.	1.2	24
106	Anomalous volume phase transition in a polymer gel with alternative hydrophilic/amphiphilic sequence. <i>Soft Matter</i> , 2012, 8, 6876.	1.2	30
107	Stress relaxation and hysteresis of nanocomposite gel investigated by SAXS and SANS measurement. <i>Polymer</i> , 2012, 53, 4533-4538.	1.8	25
108	Structural analysis of cured phenolic resins using complementary small-angle neutron and X-ray scattering and scanning electron microscopy. <i>Soft Matter</i> , 2012, 8, 8438.	1.2	29

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109	Structure-mechanical property relationship of tough hydrogels. <i>Soft Matter</i> , 2012, 8, 8030.	1.2	163
110	High-performance ion gel with tetra-PEG network. <i>Soft Matter</i> , 2012, 8, 1756-1759.	1.2	129
111	Atomistic molecular dynamics study of cross-linked phenolic resins. <i>Soft Matter</i> , 2012, 8, 5283.	1.2	59
112	Star-Shaped Trimeric Quaternary Ammonium Bromide Surfactants: Adsorption and Aggregation Properties. <i>Langmuir</i> , 2012, 28, 9322-9331.	1.6	59
113	Optimization of the thickness of a ZnS <sup>6</sup> LiF scintillator for a high-resolution detector installed on a focusing small-angle neutron scattering spectrometer (SANS-U). <i>Journal of Applied Crystallography</i> , 2012, 45, 507-512.	1.9	9
114	Examination of the Theories of Rubber Elasticity Using an Ideal Polymer Network. <i>Macromolecules</i> , 2011, 44, 5817-5821.	2.2	133
115	Lipophilic Tail Architecture and Molecular Structure of Neutralizing Agent for the Controlled Rheology of Viscoelastic Fluid in Amino Acid-Based Anionic Surfactant System. <i>Langmuir</i> , 2011, 27, 2229-2236.	1.6	25
116	Precise Control and Prediction of Hydrogel Degradation Behavior. <i>Macromolecules</i> , 2011, 44, 3567-3571.	2.2	67
117	SANS Studies on Tetra-PEG Gel under Uniaxial Deformation. <i>Macromolecules</i> , 2011, 44, 1203-1210.	2.2	54
118	Phase Behavior of Hexa- <i>peri</i> -hexabenzocoronene Derivative in Organic Solvent. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7314-7320.	1.2	17
119	Common Origin of Dynamics Heterogeneity and Cooperatively Rearranging Region in Polymer Melts. <i>Macromolecules</i> , 2011, 44, 6615-6624.	2.2	17
120	Rheo-SANS Studies on Shear-Thickening/Thinning in Aqueous Rodlike Micellar Solutions. <i>Langmuir</i> , 2011, 27, 1731-1738.	1.6	56
121	Small-angle neutron scattering on polymer gels: phase behavior, inhomogeneities and deformation mechanisms. <i>Polymer Journal</i> , 2011, 43, 18-34.	1.3	196
122	The static structure of polyrotaxane in solution investigated by contrast variation small-angle neutron scattering. <i>Polymer Journal</i> , 2011, 43, 155-163.	1.3	11
123	Structure and physical properties of dried Tetra-PEG gel. <i>Polymer</i> , 2011, 52, 4123-4128.	1.8	18
124	Dynamic light scattering and small-angle neutron scattering studies on phenolic resin solutions. <i>Polymer</i> , 2011, 52, 4355-4361.	1.8	17
125	Modernization of the small-angle neutron scattering spectrometer SANS-U by upgrade to a focusing SANS spectrometer. <i>Journal of Applied Crystallography</i> , 2011, 44, 558-568.	1.9	31
126	Synthesis and properties of a deuterated phenolic resin. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4941-4947.	2.5	19



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127	Structural aspects of the LCST phase behavior of poly(benzyl methacrylate) in room-temperature ionic liquid. <i>Polymer</i> , 2011, 52, 1589-1595.	1.8	58
128	Experimental evidences for molecular origin of low- $Q$ peak in neutron/x-ray scattering of 1-alkyl-3-methylimidazolium bis(trifluoromethanesulfonyl)amide ionic liquids. <i>Journal of Chemical Physics</i> , 2011, 135, 244502.	1.2	140
129	Pressure- and Temperature-Induced Phase Separation Transition in Homopolymer, Block Copolymer, and Protein in Water. <i>Macromolecular Symposia</i> , 2010, 291-292, 115-121.	0.4	3
130	Highly Elastic and Deformable Hydrogel Formed from Tetra-Arm Polymers. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1954-1959.	2.0	136
131	Static partial scattering functions for linear and ring random copolymers. <i>Polymer Journal</i> , 2010, 42, 157-160.	1.3	2
132	A study of alcohol-induced gelation of $\beta$ -lactoglobulin with small-angle neutron scattering, neutron spin echo, and dynamic light scattering measurements. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3260.	1.3	20
133	Rheo-SANS Studies on Shear Thickening in Clay~Poly(ethylene oxide) Mixed Solutions. <i>Macromolecules</i> , 2010, 43, 7793-7799.	2.2	26
134	Evaluation of Gelation Kinetics of Tetra-PEG Gel. <i>Macromolecules</i> , 2010, 43, 3935-3940.	2.2	66
135	Nonuniformity in Cross-Linked Natural Rubber as Revealed by Contrast-Variation Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2010, 43, 1556-1563.	2.2	48
136	Evaluation of Topological Defects in Tetra-PEG Gels. <i>Macromolecules</i> , 2010, 43, 488-493.	2.2	112
137	Effect of Salt Content on the Rheological Properties of Hydrogel Based on Oligomeric Electrolyte. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1541-1547.	1.2	35
138	Microscopic Structure Analysis of Clay~Poly(ethylene oxide) Mixed Solution in a Flow Field by Contrast-Variation Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2010, 43, 5075-5082.	2.2	23
139	Structure and Rheology of a Self-Standing Nanoemulsion. <i>Langmuir</i> , 2010, 26, 2430-2437.	1.6	30
140	Microphase separation in nanocomposite gels. <i>Physical Review E</i> , 2009, 79, 060801.	0.8	11
141	Deformation mechanism of nanocomposite gels studied by contrast variation small-angle neutron scattering. <i>Physical Review E</i> , 2009, 80, 030801.	0.8	48
142	SANS and SLS Studies on Tetra-Arm PEG Gels in As-Prepared and Swollen States. <i>Macromolecules</i> , 2009, 42, 6245-6252.	2.2	227
143	Interaction of nanogel with cyclodextrin or protein: Study by dynamic light scattering and small-angle neutron scattering. <i>Polymer</i> , 2009, 50, 541-546.	1.8	26
144	Evaluation of incoherent scattering intensity by transmission and sample thickness. <i>Journal of Applied Crystallography</i> , 2009, 42, 621-628.	1.9	28

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145	Versatile inelastic neutron spectrometer (VINS) project for J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 143-145.	0.7	1
146	Detector area expansion at iNSE neutron spin echo spectrometer. Physica B: Condensed Matter, 2009, 404, 2607-2610.	1.3	1
147	Dynamics of polyrotaxane investigated by neutron spin echo. Physica B: Condensed Matter, 2009, 404, 2600-2602.	1.3	22
148	[NCO]/[OH] and acryl-polyol concentration dependence of the gelation process and the microstructure analysis of polyurethane resin by dynamic light scattering. Polymer, 2009, 50, 2503-2509.	1.8	8
149	Dynamics and Microstructure Analysis of $\alpha$ -Isopropylacrylamide/Silica Hybrid Gels. Langmuir, 2009, 25, 8824-8832.	1.6	9
150	Mechanically Interlocked Structure of Polyrotaxane Investigated by Contrast Variation Small-Angle Neutron Scattering. Macromolecules, 2009, 42, 6327-6329.	2.2	26
151	Vulcanization: New Focus on a Traditional Technology by Small-Angle Neutron Scattering. Macromolecules, 2009, 42, 2741-2748.	2.2	141
152	Visualization of Phospholipid Particle Fusion Induced by Duramycin. Langmuir, 2009, 25, 8200-8207.	1.6	10
153	Structure Characterization of Tetra-PEG Gel by Small-Angle Neutron Scattering. Macromolecules, 2009, 42, 1344-1351.	2.2	247
154	Microwave Dielectric Study of an Oligomeric Electrolyte Gelator by Time Domain Reflectometry. Journal of Physical Chemistry B, 2009, 113, 10112-10116.	1.2	7
155	Quasi-Elastic Neutron Scattering Study on Water and Polymer Dynamics in Thermo/Pressure Sensitive Polymer Solutions. Journal of Physical Chemistry B, 2009, 113, 12870-12876.	1.2	29
156	Structural Investigation of Supertough Polymer Gels by Small-Angle Neutron Scattering Measurement. Journal of the Physical Society of Japan, 2009, 78, 041008.	0.7	15
157	Comparison of heat- and pressure-induced gelation of $\beta$ -lactoglobulin aqueous solutions studied by small-angle neutron and dynamic light scattering. Polymer, 2008, 49, 2957-2963.	1.8	20
158	Analysis of Surface Structure and Hydrogen/Deuterium Exchange of Colloidal Silica Suspension by Contrast-Variation Small-Angle Neutron Scattering. Langmuir, 2008, 24, 4537-4543.	1.6	22
159	Design and Fabrication of a High-Strength Hydrogel with Ideally Homogeneous Network Structure from Tetrahedron-like Macromonomers. Macromolecules, 2008, 41, 5379-5384.	2.2	1,040
160	Concentration-Induced Conformational Change in Linear Polymer Threaded into Cyclic Molecules. Macromolecules, 2008, 41, 6480-6485.	2.2	41
161	Structure of Nanocomposite Hydrogel Investigated by Means of Contrast Variation Small-Angle Neutron Scattering. Macromolecules, 2008, 41, 5406-5411.	2.2	60
162	Structural Characterization of Ionic Gelator Studied by Dynamic Light Scattering and Small-Angle Neutron Scattering. Journal of Physical Chemistry B, 2008, 112, 16469-16477.	1.2	12

#	ARTICLE	IF	CITATIONS
163	Rheological Study on Rapid Recovery of Hydrogel Based on Oligomeric Electrolyte. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11537-11541.	1.2	38
164	pH Dependence of Macroscopic Swelling and Microscopic Structures for Thermo/pH-Sensitive Gels with Different Charge Distributions. <i>Macromolecules</i> , 2008, 41, 9882-9889.	2.2	16
165	Deformation Studies on Polymer-Clay Nanocomposite Gels. <i>Macromolecular Symposia</i> , 2007, 256, 131-136.	0.4	6
166	<i>In situ</i> small-angle neutron scattering and rheological measurements of shear-induced gelation. <i>Journal of Chemical Physics</i> , 2007, 127, 144507.	1.2	22
167	Pressure-induced reentrant micellization of amphiphilic block copolymers in dilute aqueous solutions. <i>Journal of Chemical Physics</i> , 2007, 127, 094905.	1.2	18
168	A Periodic Structure in a Mixture of D <sub>2</sub> O/3-Methylpyridine/NaBPh <sub>4</sub> Induced by Solvation Effect. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 113602.	0.7	49
169	Gel-size dependence of temperature-induced microphase separation in weakly-charged polymer gels. <i>Polymer</i> , 2007, 48, 2387-2394.	1.8	23
170	Difference in Lower Critical Solution Temperature Behavior between Random Copolymers and a Homopolymer Having Solvatoophilic and Solvophobic Structures in an Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4750-4754.	1.2	69
171	Gelation Mechanism of Poly(N-isopropylacrylamide)-Clay Nanocomposite Gels. <i>Macromolecules</i> , 2007, 40, 4287-4295.	2.2	157
172	Gel point determination of gelatin hydrogels by dynamic light scattering and rheological measurements. <i>Physical Review E</i> , 2007, 76, 030401.	0.8	54
173	Nonuniformity in Natural Rubber As Revealed by Small-Angle Neutron Scattering, Small-Angle X-ray Scattering, and Atomic Force Microscopy. <i>Biomacromolecules</i> , 2007, 8, 693-699.	2.6	108
174	Microstructure of N-Isopropylacrylamide-Acrylic Acid Copolymer Gels Having Different Spatial Configurations of Weakly Charged Groups. <i>Macromolecules</i> , 2007, 40, 1140-1146.	2.2	23
175	Structure and Dynamics of N-Isopropylacrylamide/Acrylic Acid Copolymer Gels Prepared by Cross-Linker-Free UV-Induced Polymerization. <i>Macromolecules</i> , 2007, 40, 2509-2514.	2.2	8
176	Molecular Basis of the Shish-Kebab Morphology in Polymer Crystallization. <i>Science</i> , 2007, 316, 1014-1017.	6.0	381
177	Investigation of Miscibility between iPP and Propylene-Butene Random Copolymer by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2007, 40, 273-277.	2.2	6
178	Current status of the 32m small-angle neutron scattering instrument, SANS-U. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 572, 853-858.	0.7	66
179	Complementary use of small-angle neutron scattering and dynamic light scattering studies for structure analysis and dynamics of polymer gels. <i>Journal of Applied Crystallography</i> , 2007, 40, s43-s47.	1.9	18
180	Micro- and Macrophase Separations of Hydrophobically Solvated Block Copolymer Aqueous Solutions Induced by Pressure and Temperature. <i>Macromolecules</i> , 2006, 39, 5875-5884.	2.2	23

#	ARTICLE	IF	CITATIONS
181	Micellization Study on Block and Gradient Copolymer Aqueous Solutions by DLS and SANS. <i>Macromolecules</i> , 2006, 39, 1592-1597.	2.2	105
182	Solâˆ“Gel Transition of Hydrophobically Modified Polyrotaxane. <i>Macromolecules</i> , 2006, 39, 9435-9440.	2.2	38
183	Clay Concentration Dependence of Microstructure in Deformed Poly(N-isopropylacrylamide)âˆ“Clay Nanocomposite Gels. <i>Macromolecules</i> , 2006, 39, 8112-8120.	2.2	81
184	Small-angle Neutron Scattering on Polymer Gels. <i>Kobunshi Ronbunshu</i> , 2006, 63, 345-359.	0.2	4
185	Universality and Specificity of Polymer Gels Viewed by Scattering Methods. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1799-1819.	2.0	103
186	Small-angle neutron scattering study on irradiated kappa carrageenan. <i>Physica B: Condensed Matter</i> , 2006, 381, 103-108.	1.3	9
187	Structural transition in block and gradient copolymer aqueous solutions. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 756-758.	1.3	20
188	Slide-ring gel: Topological gel with freely movable cross-links. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 692-696.	1.3	44
189	SANS study on pulley effect of slide-ring gel. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 807-809.	1.3	28
190	SANS study of hydrophobic effects on pressure-induced micro- and macrophase separations of block copolymers. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 749-751.	1.3	0
191	Pressure effect on semi-microscopic structures in a nonionic microemulsion. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 783-786.	1.3	3
192	Distribution analyses of multi-modal dynamic light scattering data. <i>Polymer</i> , 2006, 47, 6446-6456.	1.8	60
193	Small-angle neutron scattering study on block and gradient copolymer aqueous solutions. <i>Polymer</i> , 2006, 47, 7572-7579.	1.8	43
194	Pressure-Induced Phase Transitions of Hydrophobically Solvated Block-Copolymer Solutions. <i>Physical Review Letters</i> , 2006, 96, 048303.	2.9	19
195	Evaluation of Incoherent Neutron Scattering from Softmatter. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 2728-2736.	0.7	63
196	Light scattering studies of irradiated $\hat{1}^{\circ}$ - and $\hat{1}^{\text{I}}$ -carrageenan. <i>Radiation Physics and Chemistry</i> , 2005, 73, 29-37.	1.4	6
197	Real-time dynamic light scattering on gelation and vitrification. <i>Polymer</i> , 2005, 46, 2381-2388.	1.8	27
198	Facile Syntheses of a Class of Supramolecular Gelator Following a Combinatorial Library Approach:â€” Dynamic Light Scattering and Small-Angle Neutron Scattering Studies. <i>Chemistry of Materials</i> , 2005, 17, 741-748.	3.2	63

#	ARTICLE	IF	CITATIONS
199	Sliding mode of cyclodextrin in polyrotaxane and slide-ring gel. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S2841-S2846.	0.7	44
200	Comparison of the gelation dynamics for polystyrenes prepared by conventional and living radical polymerizations: a time-resolved dynamic light scattering study. <i>Polymer</i> , 2005, 46, 1982-1994.	1.8	92
201	Upgrade of the 32-Å small-angle neutron scattering instrument SANS-U. <i>Journal of Applied Crystallography</i> , 2005, 38, 1035-1037.	1.9	90
202	Inhomogeneity control in polymer gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 617-628.	2.4	77
203	Gelation mechanism and microstructure of organogels formed with various types of gelators. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3567-3574.	2.4	13
204	Pressure-induced hexagonal phase in a ternary microemulsion system composed of a nonionic surfactant, water, and oil. <i>Journal of Chemical Physics</i> , 2005, 123, 054705.	1.2	11
205	SANS Studies on Deformation Mechanism of Slide-Ring Gel. <i>Macromolecules</i> , 2005, 38, 6161-6167.	2.2	131
206	Small-Angle Neutron Scattering Study on Uniaxially Stretched Poly(N-isopropylacrylamide)-Clay Nanocomposite Gels. <i>Macromolecules</i> , 2005, 38, 10772-10781.	2.2	122
207	Dynamic light scattering and small-angle neutron scattering studies on organogels formed with a gelator. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1841-1848.	2.4	30
208	Effect of ionization on the temperature- and pressure-induced phase transitions of poly(N-isopropylacrylamide) gels. <i>Journal of Chemical Physics</i> , 2004, 121, 9708-9715.	1.2	17
209	Water-Induced Self-Assembling of Solvent-Sensitive Block Copolymer. <i>Macromolecules</i> , 2004, 37, 7791-7798.	2.2	38
210	Structural Characteristics of Double Network Gels with Extremely High Mechanical Strength. <i>Macromolecules</i> , 2004, 37, 5370-5374.	2.2	198
211	Dynamic Inhomogeneities in Polymer Gels Investigated by Dynamic Light Scattering. <i>Macromolecules</i> , 2004, 37, 2944-2953.	2.2	45
212	Stimuli-Responsive Diblock Copolymers by Living Cationic Polymerization: Precision Synthesis and Highly Sensitive Physical Gelation. <i>Macromolecules</i> , 2004, 37, 336-343.	2.2	111
213	Synthesis and Self-Association of Stimuli-Responsive Diblock Copolymers by Living Cationic Polymerization. <i>Macromolecular Symposia</i> , 2004, 215, 151-164.	0.4	61
214	SANS Study on Pressure-Induced Phase Separation of Poly(N-isopropylacrylamide) Aqueous Solutions and Gels. <i>Macromolecules</i> , 2004, 37, 2909-2918.	2.2	93
215	Structure and Dynamics of Poly(N-isopropylacrylamide)-Clay Nanocomposite Gels. <i>Macromolecules</i> , 2004, 37, 9606-9612.	2.2	139
216	Dynamic light scattering studies of irradiated kappa carrageenan. <i>International Journal of Biological Macromolecules</i> , 2004, 34, 81-88.	3.6	20

#	ARTICLE	IF	CITATIONS
217	Small-Angle Neutron Scattering Investigation of Pressure Influence on the Structure of Weakly Charged Poly(N-isopropylacrylamide) Solutions and Gels. <i>Macromolecules</i> , 2004, 37, 8721-8729.	2.2	29
218	Small-angle neutron scattering study of droplet density dependence of the water-in-oil droplet structure in a ternary microemulsion. <i>Journal of Applied Crystallography</i> , 2003, 36, 602-606.	1.9	26
219	Preparation and structure characterization of hairy nanoparticles consisting of hydrophobic core and thermosensitive hairs. <i>Polymer</i> , 2003, 44, 495-501.	1.8	35
220	Swelling Behavior and Microstructure of Poly(12-acryloyloxydodecanoic acid-co-acrylic acid) Gels in the Ethanol/Water System. <i>Langmuir</i> , 2003, 19, 2568-2574.	1.6	17
221	Determination of the B820 Subunit Size of a Bacterial Core Light-Harvesting Complex by Small-Angle Neutron Scattering. <i>Biochemistry</i> , 2003, 42, 11555-11560.	1.2	19
222	Heat-Induced Self-Assembling of Thermosensitive Block Copolymer. Rheology and Dynamic Light Scattering Study. <i>Macromolecules</i> , 2003, 36, 4099-4106.	2.2	45
223	Gel Formation Analyses by Dynamic Light Scattering. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 641-659.	2.0	159
224	Dynamic Light Scattering Study on Reentrant Sol-Gel Transition of Poly(vinyl alcohol)-Congo Red Complex in Aqueous Media. <i>Macromolecules</i> , 2002, 35, 1342-1347.	2.2	20
225	Small-Angle Neutron-Scattering Study on Preparation Temperature Dependence of Thermosensitive Gels. <i>Macromolecules</i> , 2002, 35, 4779-4784.	2.2	47
226	Small-Angle Neutron Scattering Study on Selective Solvation of Poly(12-acryloyloxydodecanoic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.6	3
227	Heat-Induced Self-Assembling of Thermosensitive Block Copolymer. 1. Small-Angle Neutron Scattering Study. <i>Macromolecules</i> , 2002, 35, 8139-8146.	2.2	52
228	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
229	Dependence of shrinking kinetics of poly(N-isopropylacrylamide) gels on preparation temperature. <i>Polymer</i> , 2002, 43, 3101-3107.	1.8	61
230	Small angle neutron scattering studies on structural inhomogeneities in polymer gels: irradiation cross-linked gels vs chemically cross-linked gels. <i>Polymer</i> , 2002, 43, 5289-5297.	1.8	84
231	Multiple-phase behavior and its microscopic implication for 4-acrylamidosalicylic acid gel. <i>Journal of Chemical Physics</i> , 2001, 114, 6906-6912.	1.2	2
232	Preparation Pressure Dependence of Structure Inhomogeneities and Dynamic Fluctuations in Poly(N-isopropylacrylamide) Gels. <i>Macromolecules</i> , 2001, 34, 911-917.	2.2	51
233	Time-Resolved Dynamic Light Scattering Study on Gelation and Gel-Melting Processes of Gelatin Gels. <i>Macromolecules</i> , 2001, 34, 8496-8502.	2.2	47
234	Dynamic light scattering studies on poly(vinyl chloride) clusters and aggregates in tetrahydrofuran. <i>Polymer</i> , 2001, 42, 3875-3881.	1.8	5

#	ARTICLE	IF	CITATIONS
235	Formation of ordered macropores and templated nanopores in silica sol-gel system incorporated with EO-PO-EO triblock copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 187-188, 117-122.	2.3	55
236	Studies on pH and temperature dependence of the dynamics and heterogeneities in poly(N-isopropylacrylamide-co-sodium acrylate) gels. <i>Polymer</i> , 2001, 42, 8925-8934.	1.8	27
237	Dynamic light scattering study on gelatin aqueous solutions and gels. <i>Journal of Chemical Physics</i> , 2001, 115, 4285-4291.	1.2	41
238	Effects of non-uniform solvation on thermal response in poly(N-isopropylacrylamide) gels. <i>Polymer</i> , 2000, 41, 505-510.	1.8	38
239	Static inhomogeneities and dynamics of swollen and reactor-batch polymer gels. <i>Journal of Chemical Physics</i> , 2000, 112, 442-449.	1.2	31
240	Critical Dynamics of Cross-Linked Polymer Chains near the Gelation Threshold. <i>Macromolecules</i> , 2000, 33, 2909-2915.	2.2	49
241	Static Inhomogeneities in Physical Gels: Comparison of Temperature-Induced and Concentration-Induced Sol-Gel Transition. <i>Macromolecules</i> , 2000, 33, 7868-7876.	2.2	38
242	Heat-Induced Gelation of $\beta$ -Lactoglobulin. 1. Time-Resolved Dynamic Light Scattering. <i>Macromolecules</i> , 2000, 33, 5470-5475.	2.2	58
243	Time-Resolved Dynamic Light Scattering Study on the Dynamics of Silica Gels during Gelation Process. <i>Macromolecules</i> , 2000, 33, 900-905.	2.2	68
244	Anisotropic scattering profiles of charged gels in a deformed state. <i>Physical Review E</i> , 1999, 59, 5891-5894.	0.8	1
245	Effects of electrokinetic chromatography conditions on the structure and properties of polyallylamine-supported pseudo-stationary phase. <i>Journal of Chromatography A</i> , 1999, 836, 295-303.	1.8	12
246	Time-Resolved Dynamic Light Scattering Studies on Gelation Process of Organic-Inorganic Polymer Hybrids. <i>Macromolecules</i> , 1999, 32, 1528-1533.	2.2	46
247	Shrinking Kinetics of Poly(N-isopropylacrylamide) Gels T-Jumped across Their Volume Phase Transition Temperatures. <i>Macromolecules</i> , 1999, 32, 7461-7468.	2.2	133
248	Dynamics of Probe Particles in Polymer Solutions and Gels. <i>Macromolecules</i> , 1999, 32, 7086-7092.	2.2	39
249	Preparation Temperature Dependence and Effects of Hydrolysis on Static Inhomogeneities of Poly(acrylamide) Gels. <i>Macromolecules</i> , 1999, 32, 3989-3993.	2.2	50
250	Static inhomogeneities and dynamic fluctuations of temperature sensitive polymer gels. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 249, 245-252.	1.2	77
251	Isothermal crystallisation of end-linked poly(tetrahydrofuran) networks. 3. Small-angle neutron scattering. <i>Polymer</i> , 1998, 39, 3759-3766.	1.8	6
252	Cluster-Size Distribution of Cross-Linked Polymer Chains across the Gelation Threshold. <i>Macromolecules</i> , 1998, 31, 5316-5322.	2.2	55

#	ARTICLE	IF	CITATIONS
253	Kinetics of Volume Phase Transition in Poly(N-isopropylacrylamide-co-acrylic acid) Gels. <i>Macromolecules</i> , 1998, 31, 5336-5342.	2.2	126
254	Small-Angle Neutron Scattering Study on Charged Gels in Deformed State. <i>Macromolecules</i> , 1998, 31, 2586-2592.	2.2	44
255	Comparison of the Experimental and Theoretical Structure Factors of Temperature Sensitive Polymer Gels. <i>Macromolecules</i> , 1998, 31, 1608-1614.	2.2	32
256	Effect of Degree of Cross-Linking on Spatial Inhomogeneity in Charged Gels. 2. Small-Angle Neutron Scattering Study. <i>Macromolecules</i> , 1998, 31, 3275-3281.	2.2	36
257	Effect of Degree of Cross-Linking on Spatial Inhomogeneity in Charged Gels. 3. Ionization Effect. <i>Macromolecules</i> , 1998, 31, 8526-8530.	2.2	25
258	Effect of degree of cross-linking on spatial inhomogeneity in charged gels. I. Theoretical predictions and light scattering study. <i>Journal of Chemical Physics</i> , 1997, 107, 5227-5235.	1.2	64
259	Anomalous cross-link density dependence of scattering from charged gels. <i>Physical Review E</i> , 1997, 56, R51-R54.	0.8	41
260	Simple Scaling Rules on Swollen and Shrunken Polymer Gels. <i>Macromolecules</i> , 1997, 30, 7307-7312.	2.2	81
261	SAXS and dynamic viscoelastic studies on segmented polyurethaneurea solutions. <i>Polymer</i> , 1997, 38, 769-774.	1.8	8
262	Dynamic Light Scattering Study of Poly(N-isopropylacrylamide-co-acrylic acid) Gels. <i>Macromolecules</i> , 1996, 29, 6535-6540.	2.2	151
263	Thermal Properties of Copolymer Gels Containing N-Isopropylacrylamide. <i>Macromolecules</i> , 1996, 29, 2019-2024.	2.2	269
264	Cross-link Density Dependence of Spatial Inhomogeneities and Dynamic Fluctuations of Poly(N-isopropylacrylamide) Gels. <i>Macromolecules</i> , 1996, 29, 8746-8750.	2.2	156
265	Analogy between Swelling of Gels and Intrinsic Viscosity of Polymer Solutions for Ion-Complexed Poly(vinyl alcohol) in Aqueous Medium. <i>Macromolecules</i> , 1996, 29, 885-891.	2.2	36
266	Structure Relaxation of Hydrophobically Aggregated Poly(N-isopropylacrylamide) in Water. <i>Macromolecules</i> , 1996, 29, 6966-6968.	2.2	74
267	pH and salt concentration dependence of the microstructure of poly(N-isopropylacrylamide-co-acrylic acid) gels. <i>Journal of Chemical Physics</i> , 1996, 105, 4350-4357.	1.2	116
268	Microscopic inhomogeneities in weakly charged temperature sensitive polymer gels and solutions. <i>Macromolecular Symposia</i> , 1996, 106, 337-343.	0.4	0
269	Swelling/shrinking kinetics of chemically cross-linked poly(vinyl alcohol) gels in the presence of borate ions. <i>Journal of Chemical Physics</i> , 1996, 105, 4350-4357.	1.2	23
270	Microscopic structure and viscosity behaviours of ion-complexed polymer gels. <i>Macromolecular Symposia</i> , 1995, 93, 277-281.	0.4	1



#	ARTICLE	IF	CITATIONS
271	Small-angle neutron scattering study on weakly charged poly(N-isopropyl acrylamide-co-acrylic acid) copolymer solutions. <i>Journal of Chemical Physics</i> , 1995, 102, 9392-9400.	1.2	71
272	Equilibrium Swelling and Small-Angle Neutron-Scattering Study on End-Linked Poly(tetrahydrofuran) Networks. <i>Macromolecules</i> , 1995, 28, 8824-8828.	2.2	27
273	Small-Angle Neutron Scattering Study on End-Linked Poly(tetrahydrofuran) Networks. 1. Stoichiometrically Cross-Linked Gels. <i>Macromolecules</i> , 1995, 28, 6860-6864.	2.2	43
274	Isothermal Crystallization of End-Linked Poly(tetrahydrofuran) Networks. 2. Molecular Weight Dependence. <i>Macromolecules</i> , 1995, 28, 5547-5553.	2.2	23
275	Peeling of laminated films comprising high-density polyethylene and polypropylene/low-density polyethylene blends. <i>Polymer</i> , 1994, 35, 271-280.	1.8	12
276	Viscosity behaviour of weakly charged polymer-ion complexes comprising poly(vinyl alcohol) and Congo red. <i>Polymer</i> , 1994, 35, 5716-5721.	1.8	11
277	Isothermal crystallization of end-linked poly(tetrahydrofuran) networks. <i>Polymer</i> , 1994, 35, 2944-2951.	1.8	19
278	Changes in structure and properties due to mechanical fatigue for polyurethanes containing poly(dimethyl siloxane). <i>Polymer</i> , 1994, 35, 532-539.	1.8	24
279	Complexation of Poly(vinyl alcohol)-Congo Red Aqueous Solutions. 2. SANS and SAXS Studies on Sol-Gel Transition. <i>Macromolecules</i> , 1994, 27, 6383-6388.	2.2	35
280	Swelling/Shrinking and Dynamic Light Scattering Studies on Chemically Cross-Linked Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	2.2	55
281	Phase Separation Induced Mechanical Transition of Poly(N-isopropylacrylamide)/Water Isochore Gels. <i>Macromolecules</i> , 1994, 27, 5060-5066.	2.2	205
282	Complexation of Poly(vinyl alcohol)-Congo Red Aqueous Solutions. 1. Viscosity Behavior and Gelation Mechanism. <i>Macromolecules</i> , 1994, 27, 1738-1743.	2.2	44
283	Controlling morphology of polystyrene/poly(vinyl methyl ether) blends undergoing spinodal decomposition process by photo-crosslinks. <i>Polymer Engineering and Science</i> , 1993, 33, 772-780.	1.5	5
284	Gelation of poly(vinyl alcohol)-vanadate aqueous solutions. <i>Macromolecules</i> , 1993, 26, 623-627.	2.2	23
285	Morphology transition from cylindrical to lamellar microdomains of block copolymers. <i>Macromolecules</i> , 1993, 26, 485-491.	2.2	132
286	Effects of microdomain structures on the molecular orientation of poly(styrene-block-butadiene-block-styrene) triblock copolymer. <i>Macromolecules</i> , 1993, 26, 3351-3356.	2.2	73
287	Small-angle neutron scattering study on poly(N-isopropyl acrylamide-co-acrylic acid) copolymer solutions. <i>European Physical Journal Special Topics</i> , 1993, 03, C8-25-C8-28.	0.2	4
288	Small angle neutron scattering study on poly(N-isopropyl acrylamide) gels near their volume- $\phi$ phase transition temperature. <i>Journal of Chemical Physics</i> , 1992, 97, 6829-6841.	1.2	395

#	ARTICLE	IF	CITATIONS
289	Small-angle neutron scattering study on weakly charged temperature sensitive polymer gels. Journal of Chemical Physics, 1992, 97, 6842-6854.	1.2	214
290	Super-absorbency and phase transition of gels in physiological salt solutions. Nature, 1992, 360, 142-144.	13.7	110
291	Small-angle neutron scattering from poly(vinyl alcohol)-borate gels. Polymer, 1992, 33, 2883-2890.	1.8	73
292	Phase behaviour and sol-gel transition of poly(vinyl alcohol)-borate complex in aqueous solution. Polymer, 1992, 33, 2182-2188.	1.8	70
293	Structure characterization of polyurethanes containing poly(dimethylsiloxane). Macromolecules, 1991, 24, 6254-6262.	2.2	57
294	Structure and Properties of Fatigued Segmented Poly(urethaneurea)s IV. Dynamic Infrared Dichroism. Polymer Journal, 1991, 23, 311-320.	1.3	10
295	Transparency of recycled polypropylene film. Journal of Applied Polymer Science, 1991, 42, 1451-1458.	1.3	17
296	Bulk and surface characterization of cellulose/poly(vinyl alcohol) blends by Fourier-transform infra-red spectroscopy. Polymer, 1991, 32, 1010-1016.	1.8	29
297	Infrared Dichroism Study of Segmented Polyurethaneurea with Triblock Polyether Soft Segments. Polymer Journal, 1991, 23, 991-998.	1.3	12
298	Structure of High Transparent Polypropylene Film. Polymer Journal, 1991, 23, 837-846.	1.3	8
299	Structure and orientational behaviour of polyurethane containing polydimethylsiloxane. Polymer, 1990, 31, 749-757.	1.8	37
300	Physical gels of aqueous poly(vinyl alcohol) solutions: a small-angle neutron-scattering study. Macromolecules, 1990, 23, 2245-2251.	2.2	68
301	Small-angle neutron scattering studies on chain asymmetry of coextruded poly(vinyl alcohol) film. Macromolecules, 1990, 23, 1438-1443.	2.2	25
302	Asymptotic behavior and Lorentz factor for small-angle elastic scattering profiles from preferentially oriented asymmetric bodies. Journal of Applied Physics, 1989, 66, 4188-4197.	1.1	35
303	Preparation of high-strength poly(vinyl alcohol) fibers by crosslinking wet spinning. Journal of Applied Polymer Science, 1989, 37, 1403-1414.	1.3	51
304	Structure and Properties of Fatigued Segmented Poly(urethaneurea)s III. Quantitative Analyses of Hydrogen Bond. Polymer Journal, 1989, 21, 895-903.	1.3	48
305	Sol-gel transition of poly(vinyl alcohol)-borate complex. Polymer, 1988, 29, 2066-2071.	1.8	97
306	<sup>11</sup> B n.m.r. study on the reaction of poly(vinyl alcohol) with boric acid. Polymer, 1988, 29, 336-340.	1.8	115

#	ARTICLE	IF	CITATIONS
307	Structure and Properties of Fatigued Segmented Poly(urethaneurea)s II. Structural Analyses of Fatigue Mechanism. <i>Polymer Journal</i> , 1987, 19, 1067-1080.	1.3	36
308	Small-angle x-ray scattering analyses of lamellar microdomains based on a model of one-dimensional paracrystal with uniaxial orientation. <i>Macromolecules</i> , 1986, 19, 740-749.	2.2	108
309	Time-resolved small-angle x-ray scattering studies on the kinetics of the order-disorder transition of block polymers. 1. Experimental technique. <i>Macromolecules</i> , 1986, 19, 750-754.	2.2	32
310	Deuteration effects on the miscibility and phase separation kinetics of polymer blends. <i>Macromolecules</i> , 1986, 19, 1667-1674.	2.2	124
311	Confined-chain statistics of block polymers and estimation of optical anisotropy and domain size. <i>Macromolecules</i> , 1985, 18, 1855-1864.	2.2	11
312	Study of miscibility and critical phenomena of deuterated polystyrene and hydrogenated poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	188
313	Neutron cloud poinds and concentration fluctuations of polymer blends. <i>Polymer Bulletin</i> , 1984, 12, 7-13.	1.7	20
314	Ordered structure in block polymer solutions. 1. Selective solvents. <i>Macromolecules</i> , 1983, 16, 16-28.	2.2	132
315	Ordered structure in block polymer solutions. 2. Its effect on rheological behavior. <i>Macromolecules</i> , 1983, 16, 361-371.	2.2	100
316	Ordered structure in block polymer solutions. 4. Scaling rules on size of fluctuations with block molecular weight, concentration, and temperature in segregation and homogeneous regimes. <i>Macromolecules</i> , 1983, 16, 1093-1101.	2.2	219
317	Ordered structure in block polymer solutions. 5. Equilibrium and nonequilibrium aspects of microdomain formation. <i>Macromolecules</i> , 1983, 16, 1434-1443.	2.2	74
318	Ordered structure in block polymer solutions. 3. Concentration dependence of microdomains in nonselective solvents. <i>Macromolecules</i> , 1983, 16, 1427-1433.	2.2	90
319	Rheological and Morphological Behavior of Styrene-Butadiene Diblock Copolymer Solutions in Selective Solvents. <i>Journal of Rheology</i> , 1982, 26, 153-179.	1.3	93
320	Microdomain structure of an ABC-type triblock polymer of polystyrene-poly[(4-vinylbenzyl)dimethylamine]-polyisoprene cast from solutions. <i>Macromolecules</i> , 1982, 15, 274-280.	2.2	38
321	An Apparatus for High Speed Measurements of Small-Angle X-Ray Scattering Profiles with a Linear Position Sensitive Detector. <i>Polymer Journal</i> , 1981, 13, 501-516.	1.3	83
322	Microdomain size of styrene-Isoprene block copolymers and unperturbed chain dimension of polyisoprene having high 1,2-and 3,4-linkages. <i>Journal of Macromolecular Science - Physics</i> , 1980, 17, 389-406.	0.4	21
323	Domain-Boundary Structure of Styrene-Isoprene Block Copolymer Films Cast from Solution. 4. Molecular-Weight Dependence of Lamellar Microdomains. <i>Macromolecules</i> , 1980, 13, 1237-1247.	2.2	426