Tadashi Inoue

List of Publications by Year
in descending order

173	3,608	136950	189892
papers	citations	32 h-index	50 g-index

173	173	173	1884
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Birefringence of amorphous polymers. 1. Dynamic measurement on polystyrene. Macromolecules, 1991, 24, 5670-5675.	4.8	199
2	Dielectric and Viscoelastic Relaxation of Highly Entangled Star Polyisoprene:Â Quantitative Test of Tube Dilation Model. Macromolecules, 2002, 35, 2339-2357.	4.8	110
3	Role of Polymer Chain Flexibility on the Viscoelasticity of Amorphous Polymers around the Glass Transition Zone. Macromolecules, 1996, 29, 1595-1599.	4.8	107
4	Stress overshoot of polymer solutions at high rates of shear. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 1917-1925.	2.1	101
5	Test of Full and Partial Tube Dilation Pictures in Entangled Blends of Linear Polyisoprenes. Macromolecules, 2004, 37, 6619-6631.	4.8	97
6	Nonlinear Rheology of Telechelic Associative Polymer Networks: Shear Thickening and Thinning Behavior of Hydrophobically Modified Ethoxylated Urethane (HEUR) in Aqueous Solution. Macromolecules, 2012, 45, 888-898.	4.8	95
7	Molecular Motions and Viscoelasticity of Amorphous Polymers near Tg. Macromolecules, 1995, 28, 3425-3433.	4.8	94
8	Dynamic Light Scattering and Dynamic Viscoelasticity of Poly(vinyl alcohol) in Aqueous Borax Solutions. 1. Concentration Effect. Macromolecules, 1995, 28, 2339-2344.	4.8	92
9	Dielectric Relaxation and Viscoelastic Behavior of Polymerized Ionic Liquids with Various Counteranions. Macromolecules, 2012, 45, 3850-3858.	4.8	87
10	Viscoelastic and Dielectric Behavior of Entangled Blends of Linear Polyisoprenes Having Widely Separated Molecular Weights:â€‰ Test of Tube Dilation Picture. Macromolecules, 2004, 37, 1937-1951.	4.8	84
11	Viscoelastic Behavior of the Polymerized Ionic Liquid Poly(1-ethyl-3-vinylimidazolium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3	4.8	67
12	Polymerized Ionic Liquids: Correlation of Ionic Conductivity with Nanoscale Morphology and Counterion Volume. ACS Macro Letters, 2017, 6, 941-946.	4.8	65
13	Nonlinear Rheology of CTAB/NaSal Aqueous Solutions:Â Finite Extensibility of a Network of Wormlike Micelles. Langmuir, 2005, 21, 1201-1208.	3.5	63
14	Self diffusion of polymers in the concentrated regime. Part 2. Self diffusion and tracer-diffusion coefficient and viscosity of concentrated solutions of linear polystyrenes in dibutyl phthalate. Macromolecules, 1989, 22, 3793-3798.	4.8	54
15	Dielectric Relaxation of Monodisperse Linear Polyisoprene: Contribution of Constraint Release. Macromolecules, 2013, 46, 6067-6080.	4.8	49
16	Stress overshoot of polymer solutions at high rates of shear: semidilute polystyrene solutions with and without chain entanglement. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 3271-3276.	2.1	43
17	Tracer diffusion of linear polystyrene in entanglement networks. Macromolecules, 1990, 23, 659-664.	4.8	42
18	Dynamic Birefringence of Vinyl Polymers. Macromolecules, 1996, 29, 6240-6245.	4.8	42

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19	Birefringence of amorphous polymers. II. Dynamic measurement and relaxation measurement. Journal of Polymer Science, Part B: Polymer Physics, 1992, 30, 409-414.	2.1	41
20	A birefringence study of polymer crystallization in the process of elongation of films. Polymer, 1998, 39, 2515-2520.	3.8	40
21	Molecular Interpretation of Dynamic Birefringence and Viscoelasticity of Amorphous Polymers. Macromolecules, 1995, 28, 3625-3630.	4.8	39
22	Viscoelasticity of low molecular weight polystyrene. Separation of rubbery and glassy components. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 389-397.	2.1	39
23	Component Dynamics in Polyisoprene/Poly(4-tert-butylstyrene) Miscible Blends. Macromolecules, 2008, 41, 8694-8711.	4.8	38
24	Self-diffusion and viscoelasticity of linear polystyrene in entangled solutions. Macromolecules, 1991, 24, 1648-1654.	4.8	36
25	Rheo-Optical Study on Dynamics of Bottlebrush-Like Polymacromonomer Consisting of Polystyrene.. Macromolecules, 2011, 44, 5414-5419.	4.8	36
26	Re-examination of terminal relaxation behavior of high-molecular-weight ring polystyrene melts. Rheologica Acta, 2017, 56, 567-581.	2.4	36
27	Molecular origin of viscoelasticity and chain orientation of glassy polymers. Rheologica Acta, 1997, 36, 239-244.	2.4	35
28	Viscoelasticity of an Entangled Polymer Solution with Special Attention on a Characteristic Time for Nonlinear Behavior. Macromolecules, 2002, 35, 1770-1775.	4.8	35
29	Birefringence of amorphous polymers. V. Dynamic measurements on poly(Î±â€methyl styrene) and polycarbonate. Journal of Rheology, 1992, 36, 1737-1755.	2.6	34
30	Significance of the Longest Rouse Relaxation Time in the Stress Relaxation Process at Large Deformation of Entangled Polymer Solutions. Macromolecules, 2002, 35, 4718-4724.	4.8	34
31	In situ observation of phase separation processes in gelling alkoxy-derived silica system by light scattering method. Journal of Sol-Gel Science and Technology, 1994, 3, 169-188.	2.4	33
32	Viscoelasticity and birefringence of polyisoprene. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 417-424.	2.1	33
33	Transient Conformational Change of Beadâ^'Spring Ring Chain during Creep Process. Macromolecules, 2006, 39, 5419-5426.	4.8	33
34	Birefringence of amorphous polymers. 4. Large deformation of polystyrene near its glass transition temperature. Macromolecules, 1992, 25, 3413-3415.	4.8	32
35	Viscoelastic Relaxation of Rouse Chains undergoing Head-to-Head Association and Dissociation: Motional Coupling through Chemical Equilibrium. Macromolecules, 2015, 48, 3014-3030.	4.8	32
36	A Multichain Slip-Spring Dissipative Particle Dynamics Simulation Method for Entangled Polymer Solutions. Macromolecules, 2016, 49, 9186-9191.	4.8	32

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37	Dynamic birefringence of amorphous polymers. Journal of Non-Crystalline Solids, 1994, 172-174, 838-849.	3.1	31
38	Rheo-Optical Study on Dynamics of Bottlebrush-Like Polymacromonomer Consisting of Polystyrene. II. Side Chain Length Dependence on Dynamical Stiffness of Main Chain. Macromolecules, 2012, 45, 4801-4808.	4.8	30
39	Ion Transport in Pendant and Backbone Polymerized Ionic Liquids. Macromolecules, 2019, 52, 6438-6448.	4.8	30
40	A Rheo-Optical Study on Polystyrene under Large Tensile Deformation around the Glass Transition Temperature. Macromolecules, 1998, 31, 6977-6983.	4.8	29
41	The Significance of the Rouse Segment:Â Its Concentration Dependence. Macromolecules, 2002, 35, 820-826.	4.8	29
42	Large deformation of polycarbonate near the glass transition temperature. Macromolecules, 1992, 25, 7069-7070.	4.8	28
43	Viscoelasticity of some engineering plastics analyzed with the modified stress-optical rule. Polymer Engineering and Science, 1994, 34, 135-140.	3.1	27
44	Strain-induced birefringence and molecular structure of glassy polymers. Polymer, 1997, 38, 1215-1220.	3.8	27
45	Viscoelastic and Dielectric Behavior of a Polyisoprene/Poly(4-tert-butyl styrene) Miscible Blend. Macromolecules, 2007, 40, 5389-5399.	4.8	27
46	Entanglement Dynamics in Miscible Polyisoprene/Poly(p-tert-butylstyrene) Blends. Macromolecules, 2011, 44, 1570-1584.	4.8	27
47	On the Relationship between Viscoelastic Segments and Kuhn Segments; Strain-Induced Chain Orientation in Fast Deformation. Macromolecules, 2006, 39, 4615-4618.	4.8	25
48	Experimental Test for Viscoelastic Relaxation of Polyisoprene Undergoing Monofunctional Head-to-Head Association and Dissociation. Macromolecules, 2016, 49, 7088-7095.	4.8	24
49	Dynamic Segment Size of the Cellulose Chain in an Ionic Liquid. Macromolecules, 2013, 46, 7118-7124.	4.8	23
50	Dynamic Birefringence of Amorphous Polyolefins I. Measurements on Poly[1-ethyl-5-methyl-octahydro-4,7-methano-1H-indene-12,3-diyl]. Polymer Journal, 1994, 26, 133-139.	2.7	22
51	Dynamic Birefringence of Amorphous Polyolefins II. Measurements on Polymers Containing Five-Membered Ring in Main Chain. Polymer Journal, 1995, 27, 943-950.	2.7	22
52	Shear small-angle light scattering studies of shear-induced concentration fluctuations and steady state viscoelastic properties. Journal of Chemical Physics, 2008, 128, 164911.	3.0	22
53	Dielectric and Viscoelastic Behavior of Star-Branched Polyisoprene: Two Coarse-Grained Length Scales in Dynamic Tube Dilation. Macromolecules, 2014, 47, 7637-7652.	4.8	22
54	A Rheo-Optical Study on Reinforcement Effect of Silica Particle Filled Rubber. Macromolecules, 2017, 50, 8072-8082.	4.8	21

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55	Dynamics of polymer-polymer-solvent ternary systems. 2. Diffusion and sedimentation of poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overl 2516-2522.	4.8	20
56	Shear and normal stresses of a poly(vinyl alcohol)/sodium borate aqueous solution at the start of shear flow. Journal of Non-Newtonian Fluid Mechanics, 1994, 54, 109-120.	2.4	20
57	Viscoelasticity and birefringence of polyisobutylene. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 1409-1416.	2.1	20
58	Viscoelasticity of Polymers in Ï‘ Solvents around the Semidilute Regime. Macromolecules, 2002, 35, 9169-9175.	4.8	20
59	Rheooptical Study on Poly(styrene macromonomer). Macromolecules, 2006, 39, 7601-7606.	4.8	20
60	Evaluation of Nematic Interaction Parameter between Polymer Segments and Low-Mass Molecules in Mixtures. Macromolecules, 2010, 43, 6099-6105.	4.8	20
61	Dielectric and Viscoelastic Investigation of Segmental Dynamics of Polystyrene above Glass Transition Temperature: Cooperative Sequence Length and Relaxation Mode Distribution. Macromolecules, 2011, 44, 4355-4365.	4.8	20
62	An Apparatus for Dynamic Birefringence Measurements. Nihon Reoroji Gakkaishi, 1991, 19, 93-97.	1.0	19
63	Rheo-dielectrics in oligomeric and polymeric fluids: a review of recent findings. Journal of Physics Condensed Matter, 2003, 15, S909-S921.	1.8	19
64	Cooperative Dynamics in Polystyrene and Low-Mass Molecule Mixtures. Macromolecules, 2011, 44, 8324-8332.	4.8	19
65	Design and mechanical properties of supramolecular polymeric materials based on hostâ€“guest interactions: the relation between relaxation time and fracture energy. Polymer Chemistry, 2020, 11, 6811-6820.	3.9	19
66	An Apparatus for Dynamic Birefringence Measurement under Oscillatory Shear Flow Using an Oblique Laser Beam. Nihon Reoroji Gakkaishi, 2009, 37, 205-210.	1.0	18
67	Dielectric Relaxation of Polymer/Carbon Dioxide Systems. Macromolecules, 2009, 42, 4712-4718.	4.8	17
68	Dynamics of polar aromatic molecules confined in a nanocavity of Î´-phase of syndiotactic polystyrene as studied by dielectric spectroscopy. Chemical Physics, 2016, 479, 122-128.	1.9	17
69	Introducing Large Counteranions Enhances the Elastic Modulus of Imidazolium-Based Polymerized Ionic Liquids. Macromolecules, 2018, 51, 4129-4142.	4.8	17
70	Phase separation kinetics in silica sol-gel system containing polyethylene oxide. I. Initial stage. Journal of Sol-Gel Science and Technology, 1994, 2, 227-231.	2.4	16
71	Dynamic Viscoelasticity and Birefringence of Poly(ionic liquids) in the Vicinity of Glass Transition Zone. Macromolecules, 2013, 46, 6104-6109.	4.8	16
72	Dynamics of the Topological Network Formed by Movable Crosslinks: Effect of Sliding Motion on Dielectric and Viscoelastic Relaxation Behavior. Macromolecules, 2021, 54, 3321-3333.	4.8	16

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73	Strain-Induced Birefringence of Amorphous Polymers and Molecular Design of Optical Polymers. ACS Applied Polymer Materials, 2021, 3, 2264-2273.	4.4	16
74	Damping Function of the Shear Relaxation Modulus and the Chain Retraction Process of Entangled Polymers. Macromolecules, 1996, 29, 3611-3614.	4.8	15
75	Birefringence of amorphous polyarylates: 2. Dynamic measurement on a polyarylate with low optical anisotropy. Polymer, 1997, 38, 1029-1034.	3.8	15
76	In Situ Dielectric Characterization of Poly(ethylene oxide) Melts Containing Lithium Perchlorate under Steady Shear Flow. Macromolecules, 2004, 37, 544-553.	4.8	15
77	Dielectric and Viscoelastic Study of Entanglement Dynamics: A Review of Recent Findings. Macromolecular Symposia, 2005, 228, 51-70.	0.7	15
78	Viscoelasticity and birefringence of bisphenol A polycarbonate. Polymer, 1993, 34, 1661-1666.	3.8	14
79	Dynamic birefringence of cyclic olefin copolymers. Rheologica Acta, 2005, 45, 116-123.	2.4	14
80	Reliability of intrinsic birefringence estimated via the modified stress-optical rule. Polymer Journal, 2016, 48, 1073-1078.	2.7	14
81	Viscoelastic Relaxation of Cellulose Nanocrystals in Fluids: Contributions of Microscopic Internal Motions to Flexibility. Biomacromolecules, 2020, 21, 408-417.	5.4	14
82	A Simple Evaluation Method of Stress-Optical Coefficient of Polymers. Nihon Reoroji Gakkaishi, 1996, 24, 129-132.	1.0	14
83	Viscoelasticity and Birefringence of Low Birefringent Polyesters. Polymer Journal, 2000, 32, 411-414.	2.7	13
84	Dynamics of Polyisoprene-Poly(p-tert-butylstyrene) Diblock Copolymer in Disordered State. Macromolecules, 2011, 44, 1585-1602.	4.8	13
85	Linear viscoelastic studies on a transient network formed by hostâ€“guest interaction. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1109-1117.	2.1	13
86	On the Viscoelastic Segment Size of Cellulose. Nihon Reoroji Gakkaishi, 2011, 39, 159-163.	1.0	13
87	Effects of Wavelength on Strain-Induced Birefringence of Polymers. Polymer Journal, 1998, 30, 929-934.	2.7	12
88	Viscoelastic properties of dilute polymer solutions: The effect of varying the concentration. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 211-217.	2.1	12
89	Rheo-Optical Study of Viscoelastic Relaxation Modes in Block Copolymer Micellar Lattice System. Macromolecules, 2012, 45, 6580-6586.	4.8	12
90	Viscoelastic Properties of Tightly Entangled Semiflexible Polymer Solutions. Macromolecules, 2018, 51, 9626-9634.	4.8	12

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91	Anisotropic Dynamics of Benzonitrile Confined in Î´ and Îµ Clathrate Phases of Syndiotactic Polystyrene. Macromolecules, 2018, 51, 8611-8619.	4.8	12
92	Rheological Scaling of Ionic Liquid-Based Polyelectrolytes in the Semidilute Unentangled Regime from Low to High Salt Concentrations. Macromolecules, 2021, 54, 5648-5661.	4.8	12
93	Viscoelasticity and Birefringence of Poly (2-vinylnaphthalene). Nihon Reoroji Gakkaishi, 1994, 22, 129-134.	1.0	11
94	Studies on Sub-Relaxation of a Series of Methacrylate Polymers by Dynamic Birefringence Measurements.. Nihon Reoroji Gakkaishi, 1995, 23, 13-19.	1.0	11
95	On the Strain-Induced Birefringence of Glassy Polymers. Polymer Journal, 1996, 28, 76-79.	2.7	11
96	Limitation of Stress-Optical Rule for Polymeric Liquids. Macromolecules, 1996, 29, 7622-7623.	4.8	10
97	Viscoelasticity and birefringence of syndiotactic polystyrene. I. Dynamic measurement in supercooled state. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 399-404.	2.1	10
98	Conformational dynamics of Rouse chains during creep/recovery processes: a review. Journal of Physics Condensed Matter, 2005, 17, R607-R636.	1.8	10
99	Dielectric Behavior of cis-Polyisoprene in Carbon Dioxide under High Pressure. Nihon Reoroji Gakkaishi, 2007, 35, 155-161.	1.0	10
100	Dynamical coupling between stress and concentration fluctuations in a dynamically asymmetric polymer mixture, investigated by time-resolved small-angle neutron scattering combined with linear mechanical measurements. Soft Matter, 2011, 7, 9248.	2.7	10
101	Dynamics of a Probe Molecule Dissolved in Several Polymer Matrices with Different Side-Chain Structures: Determination of Correlation Length Relevant to Glass Transition. Macromolecules, 2013, 46, 2206-2215.	4.8	10
102	An apparatus for birefringence and extinction angle distributions measurements in cone and plate geometry by polarization imaging method. Rheologica Acta, 2016, 55, 699-708.	2.4	10
103	Effect of Head-to-Head Association/Dissociation on Viscoelastic and Dielectric Relaxation of Entangled Linear Polyisoprene: An Experimental Test. Macromolecules, 2020, 53, 1070-1083.	4.8	10
104	Dynamics of Low Mass Molecules Dissolved in Polymers. Nihon Reoroji Gakkaishi, 2010, 38, 41-46.	1.0	10
105	Birefringence of Amorphous Polymers III. Nihon Reoroji Gakkaishi, 1991, 19, 220-222.	1.0	10
106	Preparation of dual-cross network polymers by the knitting method and evaluation of their mechanical properties. NPG Asia Materials, 2022, 14, .	7.9	10
107	The structure and viscoelasticity of novolac resins. Polymer Journal, 2014, 46, 584-591.	2.7	9
108	Rheology of polystyrene solutions around the coil overlapping concentration: A phenomenological description of stresses in simple shear flow. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1038-1045.	2.1	8

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109	Orientational anisotropy for Rouse eigenmodes during creep and recovery process. Rheologica Acta, 2004, 43, 634-644.	2.4	8
110	Rheo-Optical and Dielectric Study on Dynamics of Bottlebrush-like Polymacromonomer Consisting of a Polyisoprene Main Chain and Polystyrene Side Chains. Macromolecules, 2020, 53, 7096-7106.	4.8	8
111	Viscoelastic Relaxation of Polymerized Ionic Liquid and Lithium Salt Mixtures: Effect of Salt Concentration. Polymers, 2021, 13, 1772.	4.5	8
112	Hydrodynamic and topological interactions in sedimentation of poly(methyl methacrylate) in semidilute solutions of polystyrene in thiophenol. Macromolecules, 1988, 21, 1502-1508.	4.8	7
113	Stress Overshoot of Entangled Polymers in Ï‘ Solvent. Macromolecules, 2004, 37, 4317-4320.	4.8	7
114	Orientational anisotropy of bead-spring star chains during creep process. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 3501-3517.	2.1	7
115	Dynamic birefringence and non-linear rheology of diblock copolymer micellar solutions. Soft Matter, 2012, 8, 6161.	2.7	7
116	Memory effect in elastic modulus of a hydrogen-bonding polymer network. Polymer Journal, 2017, 49, 229-236.	2.7	7
117	A Self-Build Apparatus for Oscillatory Flow Birefringence Measurements in a Co-Cylindrical Geometry. Nihon Reoroji Gakkaishi, 2018, 46, 221-226.	1.0	7
118	Viscoelasticity and Birefringence of Amorphous Polymers in the Glass Transition Zone.. Nihon Reoroji Gakkaishi, 2000, 28, 167-175.	1.0	7
119	Self Diffusion of Polymers in the Concentrated Regime I. Temperature Dependence of the Self Diffusion Coefficient and the Steady Viscosity of Polystyrene in Dibutyl Phthalate. Polymer Journal, 1988, 20, 875-881.	2.7	6
120	Comparison of the Self Diffusion Coefficient of Polystyrene in Solution Estimated by Forced Rayleigh Scattering and Fluorescence Recovery after Photobleaching. Polymer Journal, 1988, 20, 869-874.	2.7	6
121	Some Phenomenological Relations for Strain-Induced Birefringence of Amorphous Polymers. Nihon Reoroji Gakkaishi, 1991, 19, 130-132.	1.0	6
122	Dynamic birefringence of oligostyrene: A symptom of ?polymeric? mode. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 954-964.	2.1	6
123	Creep Behavior for Combined Rouse-Reptation Mechanism. Nihon Reoroji Gakkaishi, 2004, 32, 113-116.	1.0	6
124	Viscoelastic Behavior of Polymerized Ionic Liquids with Various Charge Densities. Nihon Reoroji Gakkaishi, 2013, 41, 21-27.	1.0	6
125	Detailed Analysis of Sub-Rouse Mode Observed in Polymerized Ionic Liquids with Dynamic Birefringence Measurements. Nihon Reoroji Gakkaishi, 2014, 42, 227-233.	1.0	6
126	Revisit the Stress-Optical Rule for Entangled Flexible Chains: Overshoot of Stress, Segmental Orientation, and Chain Stretch on Start-up of Flow. Nihon Reoroji Gakkaishi, 2015, 43, 105-112.	1.0	6

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127	High frequency viscoelastic measurements using optical tweezers on wormlike micelles of nonionic and cationic surfactants in aqueous solutions. Journal of Rheology, 2016, 60, 1055-1067.	2.6	6
128	Nonlinear Rheology and Retraction of Entangled Thread-Like Micelles. Nihon Reoroji Gakkaishi, 2006, 34, 165-170.	1.0	6
129	Self-diffusion of Micelles and Viscoelasticity of Aqueous Detergent Solutions. Nihon Reoroji Gakkaishi, 1991, 19, 45-49.	1.0	6
130	Diffusion measurements of poly(methyl methacrylate) in semidilute solutions of polystyrene in thiophenol with an analytical ultracentrifuge. Dynamics of polymer-polymer-solvent ternary systems. 3. Macromolecules, 1986, 19, 2305-2306.	4.8	5
131	Comment on â€œBirefringence in the Softening Zoneâ€• Macromolecules, 1999, 32, 4725-4727.	4.8	5
132	Rheology of Polystyrene Solutions with Scarcely Entangled Chains; Role of Slow Relaxation Mode in Nonlinear Behavior. Nihon Reoroji Gakkaishi, 2003, 31, 207-212.	1.0	5
133	Conformational Changes during Creep Process of Binary Blends of Rouse Chains. Macromolecules, 2004, 37, 8167-8170.	4.8	5
134	Linear Viscoelasticity of Polystyrene Solution Having a Wide Molar Mass Distribution around the Coil Overlap Concentration. Nihon Reoroji Gakkaishi, 2013, 41, 151-156.	1.0	5
135	Relationship between global and segmental dynamics of poly(butylene oxide) studied by broadband dielectric spectroscopy. Journal of Chemical Physics, 2018, 148, 034904.	3.0	5
136	Effect of Host-Guest Interaction on Swelling Behavior and Equilibrium Swollen State of Host-Guest Gel. Nihon Reoroji Gakkaishi, 2019, 47, 99-104.	1.0	5
137	Rheological Test for the Homogeneity of Aqueous Blends ofÂAssociative Polymer Network and Entangled Linear Polymer. Nihon Reoroji Gakkaishi, 2020, 48, 49-54.	1.0	5
138	Dynamics of Polar Low Mass Molecules Encapsulated in the Î´-cocrystal of Syndiotactic Polystyrene. Nihon Reoroji Gakkaishi, 2014, 42, 19-23.	1.0	5
139	Measurements of Self Diffusion Coefficient with Fluorescence Recovery after Pattern Photo-Bleaching and Forced Rayleigh Scattering Methods. Nihon Reoroji Gakkaishi, 1988, 16, 72-80.	1.0	5
140	Shear Birefringence Measurement on Amorphous Polymers around the Glass Transition Zone. Nihon Reoroji Gakkaishi, 1998, 26, 237-241.	1.0	5
141	Self-diffusion of polymers in block copolymer solution. Macromolecules, 1989, 22, 494-496.	4.8	4
142	Phase equilibrium and dielectric relaxation in mixture of 5CB with dilute dimethyl phthalate: effect of coupling between orientation and composition fluctuations on molecular dynamics in isotropic one-phase state. Soft Matter, 2021, 17, 6259-6272.	2.7	4
143	Linear Viscoelasticity and Birefringence of Poly-Î³-Benzyl-<scp>l</scp>-Glutamate Solutions. Macromolecules, 2021, 54, 11360-11371.	4.8	4
144	Comparison of the sedimentation data with the Hess theory and with self-diffusion coefficient data of polystyrene in the semidilute regime and in melts. Macromolecules, 1988, 21, 1509-1513.	4.8	3

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145	Viscoelasticity and Birefringence of Bisphenol A Polycarbonate. Nihon Reoroji Gakkaishi, 1993, 21, 86-90.	1.0	3
146	Role of chain connectivity in viscoelastic properties of polymeric liquids: A review. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 361-366.	5.6	3
147	Stress-Optical Relationship for Particle Dispersion Systems. Nihon Reoroji Gakkaishi, 2012, 40, 79-83.	1.0	3
148	Viscoelastic properties and birefringence of phenolic resins. Polymer Journal, 2014, 46, 272-276.	2.7	3
149	Rheological Behavior of Weakly Associated Polymers. Nihon Reoroji Gakkaishi, 2018, 46, 131-137.	1.0	3
150	Cu/Zn-superoxide dismutase forms fibrillar hydrogels in a pH-dependent manner via a water-rich extended intermediate state. PLoS ONE, 2018, 13, e0205090.	2.5	3
151	Rheo-Optical Study on the Viscoelastic Relaxation Modes of a Microgel Particle Suspension around the Liquidâ€“Solid Transition Regime. Macromolecules, 2021, 54, 3270-3280.	4.8	3
152	Reliability of Intrinsic Viscosity Estimated by Single Point Procedure at High Concentrations. Nihon Reoroji Gakkaishi, 2014, 42, 261-264.	1.0	3
153	Electric Birefringence of Polystyrene around the Glass Transition Zone. Macromolecules, 2003, 36, 9534-9538.	4.8	2
154	Component Dynamics in Polystyreneâˆ•4-Pentyl-4Ê¹-Cyanobiphenyl Blend. AIP Conference Proceedings, 2008, , .	0.4	2
155	Dynamical rigidity of cellulose derivatives in melts. Polymer Journal, 2014, 46, 149-154.	2.7	2
156	Rheological Behavior of Hydrogen Bonding Miscible Blend: High Molecular Weight Poly(2-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.0	2
157	A rheo-optical study on the linear viscoelasticity and molecular dynamics of block copolymer solutions forming hexagonal close-packed cylindrical domains. Polymer Journal, 2020, 52, 1085-1091.	2.7	2
158	Precision Analysis of Polymer Rheology by Simultaneous Measurement of Viscoelasticity and Birefringence. Nihon Reoroji Gakkaishi, 2019, 47, 169-176.	1.0	2
159	Effect of Non-Ideality of Wave Plate in Polarization Imaging Method for Rheo-Optical Studies on CTAB/NaSal Aqueous Solution. Nihon Reoroji Gakkaishi, 2018, 46, 93-98.	1.0	1
160	Effect of Surface Treatments on Viscoelastic Measurements of Thread-like Micellar Solutions. Nihon Reoroji Gakkaishi, 2008, 36, 187-190.	1.0	1
161	Self-Diffusion and Viscoelasticity of Concentrated Solutions of Linear Polystyrene in Dibutyl Phthalate. Nihon Reoroji Gakkaishi, 1990, 18, 133-139.	1.0	1
162	Detailed Analysis of Glass Transition Temperature on Polymer Blends with Hydrogen Bonding. Zairyo/Journal of the Society of Materials Science, Japan, 2015, 64, 43-46.	0.2	1

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