Yuichi Masubuchi

List of Publications by Year
in descending order

196	3,791	136950	168389
papers	citations	32 h-index	53 g-index

197	197	197	1851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear Shear and Elongational Rheology of Poly(propylene carbonate). Nihon Reoroji Gakkaishi, 2022, 50, 127-135.	1.0	4
2	49 Volumes of Nihon Reoroji Gakkaishi (the Journal of the Society of Rheology, Japan). Nihon Reoroji Gakkaishi, 2022, 50, 147-150.	1.0	2
3	Analysis of Elongational Viscosity of Entangled Poly (Propylene Carbonate) Melts by Primitive Chain Network Simulations. Polymers, 2022, 14, 741.	4.5	3
4	Effects of Slip-Spring Parameters and Rouse Bead Density on Polymer Dynamics in Multichain Slip-Spring Simulations. Journal of Physical Chemistry B, 2022, , .	2.6	3
5	Brownian simulations for tetra-gel-type phantom networks composed of prepolymers with bidisperse arm length. Soft Matter, 2022, 18, 4715-4724.	2.7	5
6	Plateau Moduli of Several Single-Chain Slip-Link and Slip-Spring Models. Macromolecules, 2021, 54, 1338-1353.	4.8	16
7	Wall slip in primitive chain network simulations of shear startup of entangled polymers and its effect on the shear stress undershoot. Journal of Rheology, 2021, 65, 213-223.	2.6	5
8	Elasticity of Randomly Cross-Linked Networks in Primitive Chain Network Simulations. Nihon Reoroji Gakkaishi, 2021, 49, 73-78.	1.0	10
9	Primitive Chain Network Simulations of Entangled Melts of Symmetric and Asymmetric Star Polymers in Uniaxial Elongational Flows. Nihon Reoroji Gakkaishi, 2021, 49, 171-178.	1.0	8
10	Rheological properties of linear and short-chain branched polyethylene with nearly monodispersed molecular weight distribution. Rheologica Acta, 2021, 60, 511-519.	2.4	4
11	DNA-Chitosan Hydrogels: Formation, Properties, and Functionalization with Catalytic Nanoparticles. ACS Applied Bio Materials, 2021, 4, 1823-1832.	4.6	15
12	Quantitative bridging between full-atomistic and bead-spring models for polybutadiene and poly(butadieneâ€“styrene) copolymers. Journal of Chemical Physics, 2021, 154, 044901.	3.0	2
13	Linear Rheological Properties of Poly(Propylene Carbonate) with Different Molecular Weights. Nihon Reoroji Gakkaishi, 2021, 49, 267-274.	1.0	4
14	Radial Distribution Functions of Entanglements in Primitive Chain Network Simulations. Nihon Reoroji Gakkaishi, 2021, 49, 337-345.	1.0	3
15	Primitive chain network simulations for H-polymers under fast shear. Soft Matter, 2020, 16, 1056-1065.	2.7	8
16	Short-time dynamics of a tracer in an ideal gas. Physical Review E, 2020, 102, 032104.	2.1	2
17	Complex Network Representation of the Structure-Mechanical Property Relationships in Elastomers with Heterogeneous Connectivity. Patterns, 2020, 1, 100135.	5.9	13
18	Fracture strain of composite with nonuniformly distributed reinforcing fibers. Journal of Rheology, 2020, 64, 933-939.	2.6	1

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19	Melts of Linear Polymers in Fast Flows. Macromolecules, 2020, 53, 5023-5033.	4.8	47
20	Effects of Constraint-Release on Entangled Polymer Dynamics in Primitive Chain Network Simulations. Nihon Reoroji Gakkaishi, 2020, 48, 37-42.	1.0	4
21	Simulations of Startup Planar Elongation of an Entangled Polymer Melt. Nihon Reoroji Gakkaishi, 2020, 48, 43-48.	1.0	2
22	Primitive chain network simulations for the interrupted shear response of entangled polymeric liquids. Soft Matter, 2020, 16, 6654-6661.	2.7	4
23	Entanglement Molecular Weight. Nihon Reoroji Gakkaishi, 2020, 48, 177-183.	1.0	13
24	Conference Report for the 14th International Workshop for East Asian Young Rheologists (IWEAYR-14) in Nagoya. Nihon Reoroji Gakkaishi, 2019, 47, 123-125.	1.0	0
25	Rheology Simulations. Oleoscience, 2019, 19, 461-467.	0.0	0
26	Retardation of the reaction kinetics of polymers due to entanglement in the post-gel stage in multi-chain slip-spring simulations. Soft Matter, 2019, 15, 5109-5115.	2.7	18
27	Characterization of critical gel state of polyamides by viscoelastic, thermal, and IR measurements. Rheologica Acta, 2019, 58, 281-290.	2.4	2
28	Contraction of Entangled Polymers After Large Step Shear Deformations in Slip-Link Simulations. Polymers, 2019, 11, 370.	4.5	7
29	Multi-chain slip-spring simulations for polyisoprene melts. Korea Australia Rheology Journal, 2019, 31, 241-248.	1.7	7
30	Effect of Inertia on Linear Viscoelasticity of Harmonic Dumbbell Model. Nihon Reoroji Gakkaishi, 2019, 47, 143-154.	1.0	6
31	Overview of automotive structural composites technology developments in Japan. Composites Science and Technology, 2018, 155, 221-246.	7.8	210
32	Comparison among Multi-Chain Simulations for Entangled Polymers under Fast Shear. ECS Transactions, 2018, 88, 161-167.	0.5	5
33	Relaxation of Rouse Modes for Unentangled Polymers Obtained by Molecular Simulations. Nihon Reoroji Gakkaishi, 2018, 46, 171-178.	1.0	6
34	Nonlinear Elongational Rheology of Unentangled Polystyrene and Poly(<i>p</i>-<i>tert-</i>butylstyrene) Melts. Macromolecules, 2018, 51, 9710-9729.	4.8	54
35	Multichain Slip-Spring Simulations for Branch Polymers. Macromolecules, 2018, 51, 10184-10193.	4.8	32
36	Relaxation Dynamics of Surface Fluctuations of Foam Films Decorated by Gel-Like Polymer-Surfactant Complexes. Journal of the Physical Society of Japan, 2018, 87, 104602.	1.6	1

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37	Re-Examination of the Effect of the Stretch/Orientation-Induced Reduction of Friction under Equi-Biaxial Elongational Flow via Primitive Chain Network Simulationâ€‚Usingâ€‚Twoâ€‚Definitionsâ€‚ofâ€‚Orientationâ€‚Anisotropy. Nihon Reoroji Gakkaishi, 2018, 46, 145-149.	1.0	2
38	Coil-globule transitions drive discontinuous volume conserving deformation in locally restrained gels. Nature Communications, 2018, 9, 2062.	12.8	10
39	Stress Undershoot of Entangled Polymers under Fast Startup Shear Flows in Primitive Chain Network Simulations. Nihon Reoroji Gakkaishi, 2018, 46, 23-28.	1.0	17
40	i-Rheo GT: Transforming from Time to Frequency Domain without Artifacts. Macromolecules, 2018, 51, 5055-5068.	4.8	25
41	Comparison among multi-chain models for entangled polymer dynamics. Soft Matter, 2018, 14, 5986-5994.	2.7	33
42	Large Scale Coarse-Grained Molecular Dynamics Simulations of Void Formations in Rubbers for Tires. ECS Meeting Abstracts, 2018, , .	0.0	0
43	Modeling Viscoelasticity By Mesoscopic Coarse-Grained Models with Transient Bonds. ECS Meeting Abstracts, 2018, , .	0.0	0
44	Detailed Comparison Among Multi-Chain Simulations for Entangled Polymers. ECS Meeting Abstracts, 2018, , .	0.0	0
45	Orientational Distribution of Reinforcing Fibers of Thermoplastic Composites Produced By Compression Molding â€“ Heat & Cool vs Cold Pressing. ECS Meeting Abstracts, 2018, , .	0.0	0
46	Polymer Rheology. Seikei-Kakou, 2018, 30, 331-336.	0.0	0
47	Large Network Swelling and Solvent Redistribution Are Necessary for Polymer Gels to Show Negative Normal Stress. ACS Macro Letters, 2017, 6, 512-514.	4.8	8
48	Critical test of beadâ€“spring model to resolve the scaling laws of polymer melts: a molecular dynamics study. Molecular Simulation, 2017, 43, 1196-1201.	2.0	8
49	Extensional Step Strain Rate Experiments on an Entangled Polymer Solution. Macromolecules, 2017, 50, 386-395.	4.8	7
50	Onset of static and dynamic universality among molecular models of polymers. Scientific Reports, 2017, 7, 12379.	3.3	15
51	Shear induced formation of lubrication layers of negative normal stress gels. Soft Matter, 2017, 13, 6515-6520.	2.7	1
52	Primitive chain network simulations of probe rheology. Soft Matter, 2017, 13, 6585-6593.	2.7	11
53	Orientational cross correlations between entangled branch polymers in primitive chain network simulations. Journal of Chemical Physics, 2017, 147, 184903.	3.0	10
54	Relaxation Dynamics of the Normal Stress of Polymer Gels. Macromolecules, 2017, 50, 5208-5213.	4.8	4

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55	Molecular Dynamics Simulations for Resolving Scaling Laws of Polyethylene Melts. Polymers, 2017, 9, 24.	4.5	25
56	Inter-Chain Cross-Correlation in Multi-Chain Slip-Link Simulations without Force Balance at Entanglements. Nihon Reoroji Gakkaishi, 2017, 45, 175-180.	1.0	3
57	An Approximate Analytical Solution of Flow Fields at the Front of Poiseuille Flows. Nihon Reoroji Gakkaishi, 2016, 44, 211-217.	1.0	0
58	Dielectric Relaxation and Ionic Conductivity of a Chitosan/Poly(ethylene oxide) Blend Doped with Potassium and Calcium Cations. Nihon Reoroji Gakkaishi, 2016, 44, 89-97.	1.0	0
59	Stress-Optical Relationship in Bead-Spring Simulations for Entangled Polymers under Start-up Shear Flows. Nihon Reoroji Gakkaishi, 2016, 44, 65-68.	1.0	9
60	Effect of Osmotic Force on Orientational Cross-correlation in Primitive Chain Network Simulation. Nihon Reoroji Gakkaishi, 2016, 44, 219-222.	1.0	8
61	Orientational Cross-Correlation in Entangled Binary Blends in Primitive Chain Network Simulations. Macromolecules, 2016, 49, 9258-9265.	4.8	11
62	PASTA and NAPLES: Rheology Simulator. , 2016, , 101-127.		7
63	Distribution function of fiber length in thermoplastic composites. Composites Science and Technology, 2016, 134, 43-48.	7.8	21
64	A Multichain Slip-Spring Dissipative Particle Dynamics Simulation Method for Entangled Polymer Solutions. Macromolecules, 2016, 49, 9186-9191.	4.8	32
65	Effects of degree of freedom below entanglement segment on relaxation of polymer configuration under fast shear in multi-chain slip-spring simulations. Journal of Chemical Physics, 2015, 143, 224905.	3.0	21
66	Primitive chain network simulations for elongational viscosity of bidisperse polystyrene melts. Advanced Modeling and Simulation in Engineering Sciences, 2015, 2, .	1.7	19
67	Test of the Stretch/Orientation-Induced Reduction of Friction for Biaxial Elongational Flow via Primitive Chain Network Simulation. Nihon Reoroji Gakkaishi, 2015, 43, 63-39.	1.0	6
68	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
69	â€œSPECIAL ISSUE COORDINATED BY KANSAI REOROJI KENKYUKAI DIVISION â€• Nihon Reoroji Gakkaishi, 2015, 43, 51.	1.0	0
70	Characterization of Transitional Behavior of the Facial Wash Foams via Dynamic Viscoelastic Measurements. Nihon Reoroji Gakkaishi, 2015, 43, 71-75.	1.0	1
71	Concept of Stretch/Orientation-Induced Friction Reduction Tested with a Simple Molecular Constitutive Equation. Nihon Reoroji Gakkaishi, 2014, 42, 207-213.	1.0	11
72	Reptation and constraint release dynamics in bidisperse polymer melts. Journal of Chemical Physics, 2014, 141, 194904.	3.0	26

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73	Test of Orientation/Stretch-Induced Reduction of Friction via Primitive Chain Network Simulations for Polystyrene, Polyisoprene, and Poly(n-butyl acrylate). Macromolecules, 2014, 47, 6768-6775.	4.8	41
74	Simulating the Flow of Entangled Polymers. Annual Review of Chemical and Biomolecular Engineering, 2014, 5, 11-33.	6.8	92
75	Primitive Chain Network Simulations for Pom-Pom Polymers in Uniaxial Elongational Flows. Macromolecules, 2014, 47, 3511-3519.	4.8	37
76	Origin of Stress Overshoot under Start-up Shear in Primitive Chain Network Simulation. ACS Macro Letters, 2014, 3, 1183-1186.	4.8	46
77	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
78	Rheo-Dielectric Responses of Entangled cis-Polyisoprene under Uniform Steady Shear and LAOS. Macromolecules, 2014, 47, 246-255.	4.8	17
79	Molecular Simulations for Polymer Processing. Seikei-Kakou, 2014, 26, 422-425.	0.0	0
80	Recovering the reptation dynamics of polymer melts in dissipative particle dynamics simulations via slip-springs. Journal of Chemical Physics, 2013, 138, 104907.	3.0	76
81	Molecular Simulations for Rheology of Polymeric Materials. Nippon Gomu Kyokaishi, 2013, 86, 113-118.	0.0	0
82	Nonlinear Stress Relaxation of Scarcely Entangled Chains in Primitive Chain Network Simulations. Nihon Reoroji Gakkaishi, 2013, 41, 13-19.	1.0	2
83	Cross-Correlation Contributions to Orientational Relaxations in Primitive Chain Network Simulations. Nihon Reoroji Gakkaishi, 2013, 41, 1-6.	1.0	11
84	Stretch/orientation Induced Acceleration in Stress Relaxation in Coarse-grained Molecular Dynamics Simulations. Nihon Reoroji Gakkaishi, 2013, 41, 35-37.	1.0	20
85	Multi-chain slip-spring model for entangled polymer dynamics. Journal of Chemical Physics, 2012, 137, 154902.	3.0	104
86	Effective Value of the Dynamic Dilution Exponent in Bidisperse Linear Polymers: From 1 to 4/3. Macromolecules, 2012, 45, 2085-2098.	4.8	76
87	Primitive Chain Network Simulation of Elongational Flows of Entangled Linear Chains: Stretch/Orientation-induced Reduction of Monomeric Friction. Macromolecules, 2012, 45, 2773-2782.	4.8	150
88	A multiscale simulation of polymer processing using parameterâ€based bridging in melt rheology. Journal of Applied Polymer Science, 2012, 125, 2740-2747.	2.6	7
89	Primitive chain network simulations for comb-branched polymer under step shear deformations. Rheologica Acta, 2012, 51, 193-200.	2.4	14
90	Soft-core Interaction Between Entanglement Segments for Primitive Chain Network Simulations. Nihon Reoroji Gakkaishi, 2012, 40, 21-30.	1.0	5

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91	Primitive Chain Network Simulation of Elongational Flows of Entangled Linear Chains: Role of Finite Chain Extensibility. Macromolecules, 2011, 44, 9675-9682.	4.8	58
92	Precise Analyses of Short-Time Relaxation at Asymmetric Polystyrene Interface in Terms of Molecular Weight by Time-Resolved Neutron Reflectivity Measurements. Macromolecules, 2011, 44, 9424-9433.	4.8	20
93	Dynamics of Polyisoprene-Poly(p-tert-butylstyrene) Diblock Copolymer in Disordered State. Macromolecules, 2011, 44, 1585-1602.	4.8	13
94	Numerical study of chain conformation on shear banding using diffusive Rolie-Poly model. Rheologica Acta, 2011, 50, 753-766.	2.4	11
95	Miscibility of chitosan/poly(ethylene oxide) blends and effect of doping alkali and alkali earth metal ions on chitosan/PEO interaction. Polymer, 2011, 52, 2618-2627.	3.8	55
96	Detailed balance condition and effective free energy in the primitive chain network model. Journal of Chemical Physics, 2011, 135, 184904.	3.0	31
97	Primitive chain network simulations for asymmetric star polymers. Journal of Chemical Physics, 2011, 134, 194905.	3.0	26
98	Primitive Chain Network Simulations of Start-up Shear Flow. Seikei-Kakou, 2011, 23, 211-215.	0.0	1
99	A Review on Recent Topics in Polymer Rheology. Seikei-Kakou, 2011, 23, 414-417.	0.0	0
100	Rheological and Dielectric Behavior of Polyisoprene under Pressurized Carbon Dioxide. Nihon Reoroji Gakkaishi, 2010, 38, 117-123.	1.0	2
101	Structure of entangled polymer network from primitive chain network simulations. Journal of Chemical Physics, 2010, 132, 134902.	3.0	33
102	Chain contraction and nonlinear stress damping in primitive chain network simulations. Journal of Chemical Physics, 2010, 133, 174902.	3.0	23
103	Primitive Chain Network Simulations of Conformational Relaxation for Individual Molecules in the Entangled State. II. Retraction from Stretched States.. Nihon Reoroji Gakkaishi, 2009, 37, 65-68.	1.0	3
104	Formation of globules and aggregates of DNA chains in DNA/polyethylene glycol/monovalent salt aqueous solutions. Journal of Chemical Physics, 2009, 131, 094901.	3.0	13
105	Primitive chain network simulations for entangled DNA solutions. Journal of Chemical Physics, 2009, 131, 114906.	3.0	17
106	Wall boundary model for primitive chain network simulations. Journal of Chemical Physics, 2009, 130, 214907.	3.0	6
107	A theoretical analysis of rheodielectric response of typeâ€A polymer chains. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1039-1057.	2.1	18
108	DNA diffusion in aqueous solution in presence of suspended particles. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1103-1111.	2.1	3

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109	Rheological Properties of Native Silk Fibroins from Domestic and Wild Silkworms, and Flow Analysis in Each Spinneret by a Finite Element Method. Biomacromolecules, 2009, 10, 929-935.	5.4	43
110	Micro-computerized tomographic observation of the spinning apparatus in Bombyx mori silkworms. Polymer, 2008, 49, 5665-5669.	3.8	14
111	Entangled polymer orientation and stretch under large step shear deformations in primitive chain network simulations. Rheologica Acta, 2008, 47, 591-599.	2.4	19
112	Flow analysis of aqueous solution of silk fibroin in the spinneret of Bombyx mori silkworm by combination of viscosity measurement and finite element method calculation. Polymer, 2008, 49, 952-956.	3.8	29
113	Quantitative comparison of primitive chain network simulations with literature data of linear viscoelasticity for polymer melts. Journal of Non-Newtonian Fluid Mechanics, 2008, 149, 87-92.	2.4	58
114	Comparison among Slip-Link Simulations of Bidisperse Linear Polymer Melts. Macromolecules, 2008, 41, 8275-8280.	4.8	48
115	Component Dynamics in Polyisoprene/Poly(4-tert-butylstyrene) Miscible Blends. Macromolecules, 2008, 41, 8694-8711.	4.8	38
116	Primitive Chain Network Simulations for Particle Dispersed Polymers. AIP Conference Proceedings, 2008, , .	0.4	0
117	Rheology of Entangled Polymeric Liquids through Simulations of the Primitive Chain Network Model with Finite Extensibility. AIP Conference Proceedings, 2008, , .	0.4	0
118	The Effect of CO₂ Pressure on Viscoelasticity of LDPE. International Polymer Processing, 2008, 23, 173-177.	0.5	8
119	Statics, linear, and nonlinear dynamics of entangled polystyrene melts simulated through the primitive chain network model. Journal of Chemical Physics, 2008, 128, 154901.	3.0	32
120	Primitive Chain Network Simulations of Conformational Relaxation for Individual Molecules in the Entangled State. Nihon Reoroji Gakkaishi, 2008, 36, 181-185.	1.0	3
121	Spontaneous self-assembly process for threadlike micelles. Journal of Chemical Physics, 2007, 126, 244905.	3.0	47
122	å•ä¸€å^†å•Œæ•‡ãƒ™ã•ã‚‰ã¿å•ã¡. Kobunshi, 2007, 56, 412-415.	0.0	0
123	Dynamic Viscoelastic Measurement of E. coli Giant DNA Solutions. Kobunshi Ronbunshu, 2007, 64, 458-463.	0.2	0
124	Observation of Individual DNAs in Concentrated DNA/PEG Blend Solutions. Kobunshi Ronbunshu, 2007, 64, 740-744.	0.2	0
125	A molecular dynamics simulation study on polymer networks of end-linked flexible or rigid chains. Journal of Chemical Physics, 2007, 127, 164905.	3.0	26
126	Primitive Chain Network Simulations of Damping Functions for Shear, Uniaxial, Biaxial and Planar Deformations. Nihon Reoroji Gakkaishi, 2007, 35, 73-77.	1.0	16

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127	Rheological properties of poly(methyl methacrylate)/rigid ladderlike polyphenylsilsesquioxane blends. Journal of Applied Polymer Science, 2007, 104, 352-359.	2.6	2
128	Photochemical control of network structure in gels and photo-induced changes in their viscoelastic properties. Colloids and Surfaces B: Biointerfaces, 2007, 56, 285-289.	5.0	20
129	ãƒžãƒ«ãƒãƒ³ã‚±ãƒ¼ãƒ«ã‚·ãƒŸãƒ¥ãƒ¬ãƒ¼ã‚·ãƒ§ãƒ³ã«ã‚ˆã‚‹åˆ†åã®å½¢ã¨æˆå½¢æ€§ã®è§£æž. Seikei-Kakou, 2007, 19, 350-354.	0.0	1
130	Primitive chain network model for block copolymers. Journal of Non-Crystalline Solids, 2006, 352, 5001-5007.	3.1	18
131	The Influence of Heat Treatment on Uniaxial Elongational Flow Behavior of PS/SBS Blends. Nihon Reoroji Gakkaishi, 2006, 34, 189-197.	1.0	2
132	Pre-Averaged Sampling On the Entanglement Kinetics for Polymer Dynamics. Macromolecular Symposia, 2006, 242, 140-145.	0.7	0
133	Primitive chain network simulations for branched polymers. Rheologica Acta, 2006, 46, 297-303.	2.4	33
134	Molecular Simulations for Entangled Polymer Dynamics. Nihon Reoroji Gakkaishi, 2006, 34, 275-282.	1.0	8
135	A221 Dissipative Particle Dynamics Simulation for Formation Process of Threadlike Micelles in Shear Flow. The Proceedings of the Thermal Engineering Conference, 2006, 2006, 231-232.	0.0	0
136	(19) ãƒŸã‚¯ãƒã‚¹ã‚³ãƒ”ãƒƒã‚¯ç³»ã® CAE : åˆ†åã‚·ãƒŸãƒ¥ãƒ¬ãƒ¼ã‚·ãƒ§ãƒ³ã«ã‚ˆã‚‹é«˜åˆ†åã®ç‰©æ€§äºˆæ¸¬. Seikei-Kakou, 2006, 18, 489	0.0	1
137	Rheological properties of polystyrene blends with rigid ladderlike polyphenylsilsesquioxane. Journal of Applied Polymer Science, 2005, 96, 706-713.	2.6	5
138	A Novel Elongational Rheology Control of PS by SBS and Dicumyl Peroxide. Nihon Reoroji Gakkaishi, 2005, 33, 141-144.	1.0	4
139	2807 Dissipative Particle Dynamics Simulation for Formation Process of Threadlike Micelles. The Proceedings of the Computational Mechanics Conference, 2005, 2005.18, 47-48.	0.0	0
140	Primitive Chain Network Simulations on Dielectric Relaxation of Linear Polymers under Shear Flow. Nihon Reoroji Gakkaishi, 2004, 32, 197-202.	1.0	16
141	Highly entangled polymer primitive chain network simulations based on dynamic tube dilation. Journal of Chemical Physics, 2004, 121, 12650.	3.0	19
142	Molecular simulations of the long-time behaviour of entangled polymeric liquids by the primitive chain network model. Modelling and Simulation in Materials Science and Engineering, 2004, 12, S91-S100.	2.0	59
143	Primitive Chain Network Model for Entangled Polymer Blends. AIP Conference Proceedings, 2004, , .	0.4	0
144	Generalization of the Ohta-Kawasaki Theory for Microphase Separation of Block Copolymer Melts. AIP Conference Proceedings, 2004, , .	0.4	0

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145	The effect of pre-thermal history on shear and uniaxial elongational viscosity of a tetrafluoroethylene/hexafluoropropylene copolymer near the crystal melting transition. Rheologica Acta, 2003, 42, 338-344.	2.4	7
146	Direct observation of polymer crystallization process under shear by a shear flow observation system. Polymer Testing, 2003, 22, 101-108.	4.8	13
147	Crystallization kinetics of polypropylene under high pressure and steady shear flow. Polymer, 2003, 44, 5843-5849.	3.8	48
148	Entanglement molecular weight and frequency response of sliplink networks. Journal of Chemical Physics, 2003, 119, 6925-6930.	3.0	125
149	REVERSIBILITY OF THE ER EFFECT IN IMMISCIBLE LIQUID BLENDS. International Journal of Modern Physics B, 2002, 16, 2468-2473.	2.0	1
150	Rheological characterization of ionic bonding in ethylene-ionomer melts with low neutralization degree. Journal of Rheology, 2002, 46, 1325-1339.	2.6	22
151	Simulation study on molecular relaxation in ionomer melts. Polymer, 2002, 43, 239-242.	3.8	3
152	The Mems Modeling System by Collaboration of Multi-Scale Simulators and Application to the Microreactor. , 2002, , 64-66.		0
153	ER RESPONSE OF SILICONE GEL CONTAINING DIELECTRIC PARTICLES. , 2002, , .		0
154	REVERSIBILITY OF THE ER EFFECT IN IMMISCIBLE LIQUID BLENDS. , 2002, , .		0
155	Melt Rheology of Polypropylene Containing Small Amounts of High-Molecular-Weight Chain. 2. Uniaxial and Biaxial Extensional Flow. Macromolecules, 2001, 34, 6056-6063.	4.8	82
156	Uniaxial elongational viscosity of PS/a small amount of UHMW-PS blends. Rheologica Acta, 2001, 40, 329-338.	2.4	70
157	Thermal analysis of shear induced crystallization by the shear flow thermal rheometer: isothermal crystallization of polypropylene. Polymer, 2001, 42, 5023-5027.	3.8	28
158	Melt rheology of polypropylene containing small amounts of high molecular weight chain. I. Shear flow. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 2692-2704.	2.1	31
159	Melt rheology of ethylene ionomers blended with a small-molecule acid. Polymer, 2001, 42, 7907-7910.	3.8	16
160	MOLECULAR ORIENTATION AND ELECTROHYDRODYNAMIC FLOW IN HOMOGENEOUS ER FLUIDS. International Journal of Modern Physics B, 2001, 15, 973-979.	2.0	2
161	DOMAIN STRUCTURE AND MR EFFECT OF FERROFLUID EMULSION. International Journal of Modern Physics B, 2001, 15, 859-863.	2.0	5
162	ELECTRICALLY INDUCED VISCOSITY CHANGE IN IMMISCIBLE LIQUID BLEND. International Journal of Modern Physics B, 2001, 15, 1062-1069.	2.0	2

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163	THE MECHANISM OF ER EFFECT INDUCED BY ATTACHING FLOCKED FABRICS ON ELECTRODES. International Journal of Modern Physics B, 2001, 15, 767-773.	2.0	0
164	Brownian simulations of a network of reptating primitive chains. Journal of Chemical Physics, 2001, 115, 4387-4394.	3.0	268
165	Uniaxial Elongational Flow Behaviour of SBS Block Copolymer Melts Treated at High Temperature. The Correlation of Crosslinking and Strain-Hardening.. Nihon Reoroji Gakkaishi, 2001, 29, 61-62.	1.0	4
166	Title is missing!. Seikei-Kakou, 2001, 13, 563-570.	0.0	2
167	Development of shear flow thermal rheometer for direct measurement of crystallization fraction of polymer melts under shear deformation. Polymer, 2000, 41, 523-531.	3.8	31
168	Dependence of sonochemical luminescence on various sound fields. Ultrasonics, 2000, 38, 671-675.	3.9	4
169	Description of uniaxial, biaxial, and planar elongational viscosities of polystyrene melt by the K-BKZ model. Journal of Non-Newtonian Fluid Mechanics, 2000, 89, 287-301.	2.4	39
170	Melt Strength and Extrudate Swell of High-Melt-Strength Polypropylene.. Nihon Reoroji Gakkaishi, 1999, 27, 67-68.	1.0	0
171	Effect of Ultrasound Frequency on Sonochemical Luminescence under Well-Determined Sound Pressure. Japanese Journal of Applied Physics, 1999, 38, 3103-3104.	1.5	8
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