

# Dimitris Vlassopoulos

## List of Publications by Year in descending order

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261  
papers

10,231  
citations

32410

55  
h-index

60403

85  
g-index

270  
all docs

270  
docs citations

270  
times ranked

6665  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unexpected power-law stress relaxation of entangled ring polymers. <i>Nature Materials</i> , 2008, 7, 997-1002.	13.3	480
2	Yielding behavior of repulsion- and attraction-dominated colloidal glasses. <i>Journal of Rheology</i> , 2008, 52, 649-676.	1.3	249
3	Crossover from the Rouse to the Entangled Polymer Melt Regime: Signals from Long, Detailed Atomistic Molecular Dynamics Simulations, Supported by Rheological Experiments. <i>Macromolecules</i> , 2003, 36, 1376-1387.	2.2	198
4	A sequence of physical processes determined and quantified in LAOS: Application to a yield stress fluid. <i>Journal of Rheology</i> , 2011, 55, 435-458.	1.3	193
5	Linear Rheology of Architecturally Complex Macromolecules: Comb Polymers with Linear Backbones. <i>Macromolecules</i> , 2005, 38, 7852-7862.	2.2	185
6	Tunable rheology of dense soft deformable colloids. <i>Current Opinion in Colloid and Interface Science</i> , 2014, 19, 561-574.	3.4	185
7	Network dynamics in nanofilled polymers. <i>Nature Communications</i> , 2016, 7, 11368.	5.8	180
8	Rheology of a Lower Critical Solution Temperature Binary Polymer Blend in the Homogeneous, Phase-Separated, and Transitional Regimes. <i>Macromolecules</i> , 1996, 29, 7155-7163.	2.2	172
9	Structure and Dynamics of Melts of Multiarm Polymer Stars. <i>Macromolecules</i> , 1998, 31, 8931-8940.	2.2	171
10	Yielding of colloidal glasses. <i>Europhysics Letters</i> , 2006, 75, 624-630.	0.7	163
11	Shear and Extensional Rheology of Polystyrene Melts and Solutions with the Same Number of Entanglements. <i>Macromolecules</i> , 2016, 49, 3925-3935.	2.2	145
12	Multiarm star polymers dynamics. <i>Journal of Physics Condensed Matter</i> , 2001, 13, R855-R876.	0.7	143
13	Viscosity of Ring Polymer Melts. <i>ACS Macro Letters</i> , 2013, 2, 874-878.	2.3	134
14	Yielding and flow of sheared colloidal glasses. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S3955-S3963.	0.7	125
15	Asymmetric caging in soft colloidal mixtures. <i>Nature Materials</i> , 2008, 7, 780-784.	13.3	116
16	Effect of maleic anhydride content on the rheology and phase behavior of poly(styrene-co-maleic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	115
17	Probing Collective Motions of Terminally Anchored Polymers. <i>Science</i> , 1996, 274, 2041-2044.	6.0	110
18	Yielding and flow of colloidal glasses. <i>Faraday Discussions</i> , 2003, 123, 287-302.	1.6	107

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19	Dynamics and rheology of colloidal star polymers. <i>Soft Matter</i> , 2010, 6, 2825.	1.2	105
20	Aging, Yielding, and Shear Banding in Soft Colloidal Glasses. <i>Physical Review Letters</i> , 2008, 100, 128304.	2.9	102
21	Structure and Dynamics of Nondilute Polyfluorene Solutions. <i>Macromolecules</i> , 2002, 35, 481-488.	2.2	101
22	Viscoelasticity and shear melting of colloidal star polymer glasses. <i>Journal of Rheology</i> , 2007, 51, 297-316.	1.3	101
23	A General Methodology to Predict the Linear Rheology of Branched Polymers. <i>Macromolecules</i> , 2006, 39, 6248-6259.	2.2	97
24	Cone-partitioned-plate geometry for the ARES rheometer with temperature control. <i>Journal of Rheology</i> , 2011, 55, 1167-1186.	1.3	97
25	Colloidal star polymers: Models for studying dynamically arrested states in soft matter. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 2931-2941.	2.4	95
26	Polymer-Mediated Melting in Ultrasoft Colloidal Gels. <i>Physical Review Letters</i> , 2002, 89, 208302.	2.9	88
27	Reversible Thermal Gelation in Soft Spheres. <i>Physical Review Letters</i> , 2000, 85, 4072-4075.	2.9	87
28	Entangled Dendritic Polymers and Beyond: Rheology of Symmetric Cayley-Tree Polymers and Macromolecular Self-Assemblies. <i>Macromolecules</i> , 2007, 40, 5941-5952.	2.2	84
29	Interfacial phenomena in the capillary extrusion of metallocene polyethylenes. <i>Journal of Rheology</i> , 1997, 41, 1299-1316.	1.3	81
30	Ageing and yield behaviour in model soft colloidal glasses. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 5051-5071.	1.6	80
31	Analysis of Slow Modes in Ring Polymers: Threading of Rings Controls Long-Time Relaxation. <i>ACS Macro Letters</i> , 2016, 5, 755-760.	2.3	79
32	Linear and Nonlinear Shear Rheology of a Marginally Entangled Ring Polymer. <i>Macromolecules</i> , 2016, 49, 1444-1453.	2.2	74
33	Uniaxial extensional rheology of well-characterized comb polymers. <i>Journal of Rheology</i> , 2013, 57, 605-625.	1.3	72
34	Unexpected Stretching of Entangled Ring Macromolecules. <i>Physical Review Letters</i> , 2019, 122, 208001.	2.9	70
35	Tailoring the Flow of Soft Glasses by Soft Additives. <i>Physical Review Letters</i> , 2005, 95, 268301.	2.9	68
36	Reversible Thermal Gelation in Star Polymers: An Alternative Route to Jamming of Soft Matter. <i>Macromolecules</i> , 2001, 34, 8216-8223.	2.2	66

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37	Structure and dynamics of polymer rings by neutron scattering: breakdown of the Rouse model. <i>Soft Matter</i> , 2011, 7, 11169.	1.2	66
38	Droplet Coalescence and Spontaneous Emulsification in the Presence of Asphaltene Adsorption. <i>Langmuir</i> , 2017, 33, 10501-10510.	1.6	66
39	Ordering and viscoelastic relaxation in multiarm star polymer melts. <i>Europhysics Letters</i> , 1997, 39, 617-622.	0.7	65
40	Dynamic Structure of Interacting Spherical Polymer Brushes. <i>Langmuir</i> , 1999, 15, 358-368.	1.6	64
41	Polymacromonomers: Structure and Dynamics in Nondilute Solutions, Melts, and Mixtures. <i>Macromolecules</i> , 2000, 33, 5960-5969.	2.2	64
42	Depletion and cluster formation in soft colloid - polymer mixtures. <i>Europhysics Letters</i> , 2005, 72, 664-670.	0.7	64
43	Fragility and Strength in Nanoparticle Glasses. <i>ACS Nano</i> , 2017, 11, 6755-6763.	7.3	64
44	Stress Relaxation of Comb Polymers with Short Branches. <i>Macromolecules</i> , 2009, 42, 9592-9608.	2.2	63
45	Structure and Dynamics of Self-Assembling $\beta$ -Sheet Peptide Tapes by Dynamic Light Scattering. <i>Biomacromolecules</i> , 2001, 2, 378-388.	2.6	62
46	Dendronized Polymers: Molecular Objects between Conventional Linear Polymers and Colloidal Particles. <i>ACS Macro Letters</i> , 2014, 3, 991-998.	2.3	62
47	Time-dependent rheology of colloidal star glasses. <i>Journal of Rheology</i> , 2010, 54, 133-158.	1.3	61
48	Viscoelastic response of hyperstar polymers in the linear regime. <i>Journal of Chemical Physics</i> , 1999, 111, 1753-1759.	1.2	60
49	Shear banding phenomena in ultrasoft colloidal glasses. <i>Journal of Rheology</i> , 2004, 48, 1085-1102.	1.3	60
50	Viscoelastic Behavior of Semicrystalline Thermoplastic Polymers during the Early Stages of Crystallization. <i>Macromolecules</i> , 2006, 39, 1507-1514.	2.2	59
51	Linear Melt Rheology of Pom-Pom Polystyrenes with Unentangled Branches. <i>Macromolecules</i> , 2007, 40, 1713-1719.	2.2	59
52	Viscoelasticity and extensional rheology of model Cayley-tree polymers of different generations. <i>Journal of Rheology</i> , 2010, 54, 643-662.	1.3	59
53	Hierarchical Structures of a Synthetic Rodlike Polyelectrolyte in Water. <i>Macromolecules</i> , 2000, 33, 3951-3953.	2.2	58
54	Rheology and phase separation in a model upper critical solution temperature polymer blend. <i>Journal of Rheology</i> , 1997, 41, 739-755.	1.3	56

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55	Rheology and Structure of Entangled Telechelic Linear and Star Polyisoprene Melts. <i>Macromolecules</i> , 2010, 43, 4401-4411.	2.2	56
56	Levels of Structure Formation in Aqueous Solutions of Anisotropic Association Colloids Consisting of Rodlike Polyelectrolytes. <i>Macromolecules</i> , 2001, 34, 6359-6366.	2.2	55
57	Spherical polymeric brushes viewed as soft colloidal particles: zero-shear viscosity. <i>Physica B: Condensed Matter</i> , 2001, 296, 184-189.	1.3	55
58	Tuning Selectivities in Gas Separation Membranes Based on Polymer-Grafted Nanoparticles. <i>ACS Nano</i> , 2020, 14, 17174-17183.	7.3	55
59	Melt Rheology of Dendritically Branched Polystyrenes. <i>Macromolecules</i> , 2003, 36, 380-388.	2.2	54
60	Rheology of critical LCST polymer blends: poly(styrene-co-maleic anhydride)/poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,542 Td (r	1.1	52
61	Nonlinear Shear Rheology of Entangled Polymer Rings. <i>Macromolecules</i> , 2021, 54, 2811-2827.	2.2	51
62	On the stability of the simple shear flow of a Johnsonâ€“Segalman fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1998, 75, 77-97.	1.0	50
63	Controlling the dynamics of soft spheres: From polymeric to colloidal behavior. <i>Europhysics Letters</i> , 1998, 42, 271-276.	0.7	50
64	Microscopic Structure, Conformation, and Dynamics of Ring and Linear Poly(ethylene oxide) Melts from Detailed Atomistic Molecular Dynamics Simulations: Dependence on Chain Length and Direct Comparison with Experimental Data. <i>Macromolecules</i> , 2017, 50, 2565-2584.	2.2	50
65	Kinetic arrest of crowded soft spheres in solvents of varying quality. <i>Physical Review E</i> , 2002, 66, 051804.	0.8	49
66	Effects of Core Microstructure on Structure and Dynamics of Star Polymer Melts: From Polymeric to Colloidal Response. <i>Macromolecules</i> , 2014, 47, 5347-5356.	2.2	49
67	Synthesis and Viscoelastic Properties of Model Dumbbell Copolymers Consisting of a Polystyrene Connector and Two 32-Arm Star Polybutadienes. <i>Macromolecules</i> , 2002, 35, 6592-6597.	2.2	48
68	Architectural Dispersity in Model Branched Polymers: Analysis and Rheological Consequences. <i>Macromolecules</i> , 2011, 44, 8631-8643.	2.2	48
69	Influence of the Solvent Quality on Ring Polymer Dimensions. <i>Macromolecules</i> , 2015, 48, 1598-1605.	2.2	48
70	Macromolecular topology and rheology: beyond the tube model. <i>Rheologica Acta</i> , 2016, 55, 613-632.	1.1	47
71	Self-Healing pH- and Enzyme Stimuli-Responsive Hydrogels for Targeted Delivery of Gemcitabine To Treat Pancreatic Cancer. <i>Biomacromolecules</i> , 2018, 19, 3840-3852.	2.6	47
72	Sensitivity analysis of the Bagley correction to shear and extensional rheology. <i>Rheologica Acta</i> , 1998, 37, 438-448.	1.1	46

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73	Shear-induced mixing and demixing in poly(styrene- co-maleic anhydride)/poly(methyl methacrylate) blends. <i>Journal of Rheology</i> , 1998, 42, 1227-1247.	1.3	46
74	Perspectives on the viscoelasticity and flow behavior of entangled linear and branched polymers. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 473002.	0.7	46
75	Nonlinear shear and uniaxial extensional rheology of polyether-ester-sulfonate copolymer ionomer melts. <i>Journal of Rheology</i> , 2017, 61, 1279-1289.	1.3	46
76	Structure and Dynamics of Polymer-Grafted Clay Suspensions. <i>Langmuir</i> , 2005, 21, 19-25.	1.6	44
77	Dendrimer-Based Transient Supramolecular Networks. <i>Journal of the American Chemical Society</i> , 2005, 127, 13862-13868.	6.6	44
78	Controlling the self-assembly and dynamic response of star polymers by selective telechelic functionalization. <i>Journal of Chemical Physics</i> , 1999, 111, 1760-1764.	1.2	43
79	Order–disorder transition and ordering kinetics in binary diblock copolymer mixtures of styrene and isoprene. <i>Journal of Chemical Physics</i> , 1996, 104, 2083-2088.	1.2	42
80	Soft silicone rubber in phononic structures: Correct elastic moduli. <i>Physical Review B</i> , 2013, 88, .	1.1	42
81	Molecular rheology of branched polymers: decoding and exploring the role of architectural dispersity through a synergy of anionic synthesis, interaction chromatography, rheometry and modeling. <i>Soft Matter</i> , 2014, 10, 4762.	1.2	42
82	Stress Relaxation in Symmetric Ring-Linear Polymer Blends at Low Ring Fractions. <i>Macromolecules</i> , 2020, 53, 1685-1693.	2.2	42
83	Linear Dynamics of End-Functionalized Polymer Melts: Linear Chains, Stars, and Blends. <i>Macromolecules</i> , 2000, 33, 9740-9746.	2.2	41
84	A thermodynamically consistent model for the thixotropic behavior of concentrated star polymer suspensions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 152, 76-85.	1.0	41
85	Determination of both the binodal and the spinodal curves in polymer blends by shear rheology. <i>Europhysics Letters</i> , 1996, 34, 513-518.	0.7	40
86	Linear rheology of comb polymers with star-like backbones: melts and solutions. <i>Rheologica Acta</i> , 2006, 46, 273-286.	1.1	40
87	Thixotropy, yielding and ultrasonic Doppler velocimetry in pulp fibre suspensions. <i>Rheologica Acta</i> , 2012, 51, 201-214.	1.1	40
88	Viscoelastic and Dielectric Relaxation of a Cayley-Tree-Type Polyisoprene: Test of Molecular Picture of Dynamic Tube Dilation. <i>Macromolecules</i> , 2008, 41, 6110-6124.	2.2	39
89	Decoding the viscoelastic response of polydisperse star/linear polymer blends. <i>Journal of Rheology</i> , 2010, 54, 507-538.	1.3	38
90	Rheological fingerprinting of an aging soft colloidal glass. <i>Journal of Rheology</i> , 2010, 54, 915-939.	1.3	38

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91	Osmotic shrinkage in star/linear polymer mixtures. <i>European Physical Journal E</i> , 2010, 32, 127-134.	0.7	37
92	Proposal to Solve the Time <sup>2</sup> Stress Discrepancy of Tube Models. <i>Macromolecules</i> , 2010, 43, 525-531.	2.2	37
93	From Polymers to Colloids: Engineering the Dynamic Properties of Hairy Particles. <i>Advances in Polymer Science</i> , 2009, , 1-54.	0.4	36
94	Slow dynamics, aging, and crystallization of multiarm star glasses. <i>Physical Review E</i> , 2010, 81, 020402.	0.8	36
95	Appraisal of the Cox-Merz rule for well-characterized entangled linear and branched polymers. <i>Rheologica Acta</i> , 2014, 53, 935-946.	1.1	36
96	Threading <sup>2</sup> Unthreading Transition of Linear-Ring Polymer Blends in Extensional Flow. <i>ACS Macro Letters</i> , 2020, 9, 1452-1457.	2.3	36
97	Oscillatory yielding of a colloidal star glass. <i>Journal of Rheology</i> , 2011, 55, 733-752.	1.3	35
98	Viscoelasticity, Nonlinear Shear Start-up, and Relaxation of Entangled Star Polymers. <i>Macromolecules</i> , 2013, 46, 5702-5713.	2.2	35
99	Determination of Chain Conformation of Stiff Polymers by Depolarized Rayleigh Scattering in Solution. <i>Macromolecules</i> , 1996, 29, 8948-8953.	2.2	34
100	Molecular Orientation in Polyester Films Using Polarized Laser Raman and Fourier Transform Infrared Spectroscopies and X-Ray Diffraction. <i>Macromolecules</i> , 1996, 29, 2244-2252.	2.2	34
101	Coupling of concentration fluctuations to viscoelasticity in highly concentrated polymer solutions. <i>Colloid and Polymer Science</i> , 1996, 274, 1033-1043.	1.0	34
102	Nonlinear rheology of model comb polymers. <i>Journal of Rheology</i> , 2009, 53, 1133-1153.	1.3	34
103	Rheology and Packing of Dendronized Polymers. <i>Macromolecules</i> , 2016, 49, 7054-7068.	2.2	34
104	Colloidal Jamming in Multiarm Star Polymer Melts. <i>Macromolecules</i> , 2019, 52, 4617-4623.	2.2	33
105	Structural Relaxation of Dense Suspensions of Soft Giant Micelles. <i>Physical Review Letters</i> , 1999, 83, 4666-4669.	2.9	32
106	Dispersing Grafted Nanoparticle Assemblies into Polymer Melts through Flow Fields. <i>ACS Macro Letters</i> , 2013, 2, 1051-1055.	2.3	32
107	Bulk rheometry at high frequencies: a review of experimental approaches. <i>Rheologica Acta</i> , 2020, 59, 1-22.	1.1	32
108	Association Dynamics in Solutions of Hairy-Rod Polymers. <i>Macromolecules</i> , 1997, 30, 919-931.	2.2	31

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109	Time-Periodic Structures and Instabilities in Shear-Thickening Polymer Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 6246-6255.	1.8	31
110	Examining the validity of strain-rate frequency superposition when measuring the linear viscoelastic properties of soft materials. <i>Journal of Rheology</i> , 2010, 54, 187-195.	1.3	31
111	Steady viscometric properties and characterization of dilute drag-reducing polymer solutions. <i>Journal of Rheology</i> , 1994, 38, 1427-1446.	1.3	30
112	Nonlinear rheological response of phase separating polymer blends: Poly(styrene-co-maleic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.3	30
113	Osmotic Interactions, Rheology, and Arrested Phase Separation of Star-Linear Polymer Mixtures. <i>Macromolecules</i> , 2011, 44, 5043-5052.	2.2	30
114	Melt rheology of star polymers with large number of small arms, prepared by crosslinking poly(n-butyl acrylate) macromonomers via ATRP. <i>European Polymer Journal</i> , 2011, 47, 746-751.	2.6	30
115	Start-up and relaxation of well-characterized comb polymers in simple shear. <i>Journal of Rheology</i> , 2013, 57, 1079-1100.	1.3	30
116	Pom-pom-like constitutive equations for comb polymers. <i>Journal of Rheology</i> , 2014, 58, 1855-1875.	1.3	30
117	Linear Viscoelastic Response of Dendronized Polymers. <i>Macromolecules</i> , 2012, 45, 8813-8823.	2.2	29
118	Double Stress Overshoot in Start-Up of Simple Shear Flow of Entangled Comb Polymers. <i>ACS Macro Letters</i> , 2013, 2, 601-604.	2.3	29
119	Crystal-to-Crystal Transition of Ultrasoft Colloids under Shear. <i>Physical Review Letters</i> , 2018, 120, 078003.	2.9	29
120	Measuring and assessing first and second normal stress differences of polymeric fluids with a modular cone-partitioned plate geometry. <i>Rheologica Acta</i> , 2018, 57, 363-376.	1.1	29
121	Thermal Jamming in Colloidal Star-Linear Polymer Mixtures. <i>Langmuir</i> , 2003, 19, 6645-6649.	1.6	28
122	Effect of the Molecular Structure on the Hierarchical Self-Assembly of Semifluorinated Alkanes at the Air/Water Interface. <i>Langmuir</i> , 2011, 27, 8776-8786.	1.6	28
123	Humidity affects the viscoelastic properties of supramolecular living polymers. <i>Journal of Rheology</i> , 2017, 61, 1173-1182.	1.3	28
124	Phase Separation and Glass Transition Intervention in a Polymer Blend. <i>Europhysics Letters</i> , 1995, 30, 325-330.	0.7	27
125	Orientation Dynamics and Correlations in Hairy-Rod Polymers: A Concentrated Regime. <i>Macromolecules</i> , 1998, 31, 6129-6138.	2.2	27
126	Self-diffusion of multiarm star polymers in solution far from and near the ordering transition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 280, 266-278.	1.2	27



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127	Dynamics of Dense Suspensions of Star-Like Micelles with Responsive Fixed Cores. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 163-172.	1.1	27
128	Computer simulation of the rheology of concentrated star polymer suspensions. <i>Rheologica Acta</i> , 2010, 49, 473-484.	1.1	27
129	A generalized Giesekus constitutive model with retardation time and its association to the spurt effect. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1995, 57, 119-136.	1.0	26
130	Ordering and dynamics of soft spheres in melt and solution. <i>Faraday Discussions</i> , 1999, 112, 225-235.	1.6	26
131	Dynamics of core-shell particles in concentrated suspensions. <i>Physical Review E</i> , 2004, 69, 042401.	0.8	26
132	Nonlinear Rheology of Multiarm Star Chains. <i>Macromolecules</i> , 2005, 38, 7404-7415.	2.2	26
133	Depletion, melting and reentrant solidification in mixtures of soft and hard colloids. <i>Soft Matter</i> , 2015, 11, 8296-8312.	1.2	26
134	Rheological Link Between Polymer Melts with a High Molecular Weight Tail and Enhanced Formation of Shish-Kebabs. <i>ACS Macro Letters</i> , 2017, 6, 1268-1273.	2.3	26
135	Analysis of dynamic mechanical response in torsion. <i>Journal of Rheology</i> , 2016, 60, 275-287.	1.3	25
136	Brownian dynamics simulations of shear-thickening in dilute polymer solutions. <i>Rheologica Acta</i> , 1996, 35, 274-287.	1.1	24
137	Rheological characterization of polyethylene terephthalate resins using a multimode Phan-Tien-Tanner constitutive relation. <i>Rheologica Acta</i> , 1997, 36, 568-578.	1.1	24
138	Relaxation time spectra of star polymers. <i>Rheologica Acta</i> , 2000, 39, 38-43.	1.1	24
139	Structure and Dynamics in Dense Suspensions of Micellar Nanocolloids. <i>Langmuir</i> , 2000, 16, 6480-6484.	1.6	24
140	Thermal vitrification in suspensions of soft colloids: Molecular dynamics simulations and comparison with experiments. <i>Physical Review E</i> , 2005, 71, 011402.	0.8	24
141	Nonlinear rheometry of entangled polymeric rings and ring-linear blends. <i>Journal of Rheology</i> , 2021, 65, 695-711.	1.3	24
142	Structure and rheology of model side-chain liquid crystalline polymers with varying mesogen length. <i>Rheologica Acta</i> , 2001, 40, 416-425.	1.1	23
143	Universal Polymeric-to-Colloidal Transition in Melts of Hairy Nanoparticles. <i>ACS Nano</i> , 2021, 15, 16697-16708.	7.3	23
144	Linear rheology of multiarm star polymers diluted with short linear chains. <i>Journal of Rheology</i> , 2003, 47, 163-176.	1.3	22

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145	Glassy States in Asymmetric Mixtures of Soft and Hard Colloids. <i>Physical Review Letters</i> , 2013, 111, 208301.	2.9	22
146	Multiscale organization of thermoplastic elastomers with varying content of hard segments. <i>Polymer</i> , 2016, 107, 89-101.	1.8	22
147	Competitive Supramolecular Associations Mediate the Viscoelasticity of Binary Hydrogels. <i>ACS Central Science</i> , 2020, 6, 1401-1411.	5.3	22
148	Modeling the shear-induced structural changes in polymeric fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 82, 367-385.	1.0	21
149	Constraint Release Mechanisms for H-Polymers Moving in Linear Matrices of Varying Molar Masses. <i>Macromolecules</i> , 2019, 52, 3010-3028.	2.2	21
150	Direct Assessment of Tube Dilution in Entangled Polymers. <i>Physical Review Letters</i> , 2019, 122, 088001.	2.9	21
151	Gelation kinetics in elastomer/thermoset polymer blends. <i>Rheologica Acta</i> , 1998, 37, 614-623.	1.1	20
152	Time-dependent plane Poiseuille flow of a Johnson–Segalman fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 82, 105-123.	1.0	20
153	Signatures of Nonergodicity Transition in a Soft Colloidal System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 6946-6952.	1.8	20
154	Dynamics of Hairy-Rod Polymers: A Semidilute Regime. <i>Macromolecules</i> , 1998, 31, 1406-1417.	2.2	19
155	Viscoelasticity and crystallization of poly(ethylene oxide) star polymers of varying arm number and size. <i>Journal of Rheology</i> , 2007, 51, 1007-1025.	1.3	19
156	Dynamic Structure Factor of Diblock Copolymer Solutions in the Disordered State. 1. Far from the Ordering Transition. <i>Macromolecules</i> , 1999, 32, 8447-8453.	2.2	18
157	Dynamics of Wormlike Polymers in Solution: Self-Diffusion and Zero-Shear Viscosity. <i>Macromolecules</i> , 2000, 33, 9630-9640.	2.2	18
158	Rheological transitions in asymmetric colloidal star mixtures. <i>Rheologica Acta</i> , 2007, 46, 611-619.	1.1	18
159	Stable responsive diblock copolymer micelles for rheology control. <i>Soft Matter</i> , 2010, 6, 881-891.	1.2	18
160	Unique slow dynamics and aging phenomena in soft glassy suspensions of multiarm star polymers. <i>Physical Review E</i> , 2011, 83, 061402.	0.8	18
161	Branch-Point Motion in Architecturally Complex Polymers: Estimation of Hopping Parameters from Computer Simulations and Experiments. <i>Macromolecules</i> , 2014, 47, 3362-3377.	2.2	18
162	Dendronized Polymers with Ureidopyrimidinone Groups: An Efficient Strategy To Tailor Intermolecular Interactions, Rheology, and Fracture. <i>Macromolecules</i> , 2017, 50, 5176-5187.	2.2	17

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163	Physical Networks from Multifunctional Telechelic Star Polymers: A Rheological Study by Experiments and Simulations. <i>Macromolecules</i> , 2018, 51, 2872-2886.	2.2	17
164	Molecular Orientation of Hairy-Rod Polyesters: Effects of Side Chain Length. <i>Macromolecules</i> , 1998, 31, 5465-5473.	2.2	16
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