

# Kenneth S Schweizer

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

175  
papers

9,356  
citations

59  
h-index

90  
g-index

179  
ext. papers

9,989  
ext. citations

5  
avg, IF

6.73  
L-index

#	Paper	IF	Citations
175	Theory for the Elementary Time Scale of Stress Relaxation in Polymer Nanocomposites.. <i>ACS Macro Letters</i> , <b>2022</b> , 11, 199-204	6.6	0
174	Activated relaxation in supercooled monodisperse atomic and polymeric WCA fluids: Simulation and ECNLE theory.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 114901	3.9	1
173	Influence of Attractive Functional Groups on the Segmental Dynamics and Glass Transition in Associating Polymers. <i>Macromolecules</i> , <b>2022</b> , 55, 2345-2357	5.5	1
172	Long Wavelength Thermal Density Fluctuations in Molecular and Polymer Glass-Forming Liquids: Experimental and Theoretical Analysis under Isobaric Conditions. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 12353-12364	3.4	2
171	Physical Bond Breaking in Associating Copolymer Liquids.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 122-128	6.6	9
170	Experimental test of a predicted dynamics-structure-thermodynamics connection in molecularly complex glass-forming liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	9
169	Collective Nanoparticle Dynamics Associated with Bridging Network Formation in Model Polymer Nanocomposites. <i>ACS Nano</i> , <b>2021</b> ,	16.7	6
168	Nature of dynamic gradients, glass formation, and collective effects in ultrathin freestanding films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	6
167	Theory of the effect of external stress on the activated dynamics and transport of dilute penetrants in supercooled liquids and glasses. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 054505	3.9	4
166	Theory of Transient Localization, Activated Dynamics, and a Macromolecular Glass Transition in Ring Polymer Liquids.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 1229-1235	6.6	1
165	Linear and nonlinear viscoelasticity of concentrated thermoresponsive microgel suspensions. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 601, 886-898	9.3	4
164	Activated penetrant dynamics in glass forming liquids: size effects, decoupling, slaving, collective elasticity and correlation with matrix compressibility. <i>Soft Matter</i> , <b>2021</b> , 17, 2624-2639	3.6	6
163	Microscopic Theory of the Effect of Caging and Physical Bonding on Segmental Relaxation in Associating Copolymer Liquids. <i>Macromolecules</i> , <b>2020</b> , 53, 4366-4380	5.5	6
162	Dynamics of poly[n]catenane melts. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 214901	3.9	24
161	Microscopic Theory of Dynamically Heterogeneous Activated Relaxation as the Origin of Decoupling of Segmental and Chain Relaxation in Supercooled Polymer Melts. <i>Macromolecules</i> , <b>2020</b> , 53, 5350-5360	5.5	3
160	Thermodynamics and Structure of Poly[n]catenane Melts. <i>Macromolecules</i> , <b>2020</b> , 53, 3390-3408	5.5	25
159	Theory of Spatial Gradients of Relaxation, Vitrification Temperature and Fragility of Glass-Forming Polymer Liquids Near Solid Substrates. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 448-453	6.6	13

158	A collective elastic fluctuation mechanism for decoupling and stretched relaxation in glassy colloidal and molecular liquids. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 034502	3.9	9
157	The role of collective elasticity on activated structural relaxation, yielding, and steady state flow in hard sphere fluids and colloidal suspensions under strong deformation. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 194502	3.9	9
156	Thermodynamics-Structure-Dynamics Correlations and Nonuniversal Effects in the Elastically Collective Activated Hopping Theory of Glass-Forming Liquids. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 6121-6131	3.4	14
155	Microscopic Theory of Long-Time Center-of-Mass Self-Diffusion and Anomalous Transport in Ring Polymer Liquids. <i>Macromolecules</i> , <b>2020</b> , 53, 10431-10445	5.5	9
154	Microscopic theory of onset of decaging and bond-breaking activated dynamics in ultradense fluids with strong short-range attractions. <i>Physical Review E</i> , <b>2020</b> , 101, 060601	2.4	3
153	PRISM Theory of Local Structure and Phase Behavior of Dense Polymer Nanocomposites: Improved Closure Approximation and Comparison with Simulation. <i>Macromolecules</i> , <b>2020</b> , 53, 9962-9972	5.5	6
152	Bridging-Controlled Network Microstructure and Long-Wavelength Fluctuations in Silica/Poly(2-vinylpyridine) Nanocomposites: Experimental Results and Theoretical Analysis. <i>Macromolecules</i> , <b>2020</b> , 53, 6984-6994	5.5	10
151	Theory of microstructure-dependent glassy shear elasticity and dynamic localization in melt polymer nanocomposites. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 114901	3.9	3
150	Mechanism of Soft Nanoparticle Diffusion in Entangled Polymer Melts. <i>Macromolecules</i> , <b>2020</b> , 53, 7580-7589	5.5	5
149	Integral equation theory of thermodynamics, pair structure, and growing static length scale in metastable hard sphere and Weeks-Chandler-Andersen fluids. <i>Physical Review E</i> , <b>2020</b> , 101, 042121	2.4	15
148	Linear and nonlinear rheology and structural relaxation in dense glassy and jammed soft repulsive pNIPAM microgel suspensions. <i>Soft Matter</i> , <b>2019</b> , 15, 1038-1052	3.6	29
147	Local structure, thermodynamics, and phase behavior of asymmetric particle mixtures: Comparison between integral equation theories and simulation. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 214902	3.9	7
146	Thermoresponsive Stiffening with Microgel Particles in a Semiflexible Fibrin Network. <i>Macromolecules</i> , <b>2019</b> , 52, 3029-3041	5.5	6
145	Influence of Longer Range Transfer of Vapor Interface Modified Caging Constraints on the Spatially Heterogeneous Dynamics of Glass-Forming Liquids. <i>Macromolecules</i> , <b>2019</b> , 52, 5192-5206	5.5	16
144	Theory of the spatial transfer of interface-nucleated changes of dynamical constraints and its consequences in glass-forming films. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 044508	3.9	17
143	Progress towards a phenomenological picture and theoretical understanding of glassy dynamics and vitrification near interfaces and under nanoconfinement. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 240901	3.9	50
142	Microscopic theory of the influence of strong attractive forces on the activated dynamics of dense glass and gel forming fluids. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 244502	3.9	11
141	Theory and Simulation of Attractive Nanoparticle Transport in Polymer Melts. <i>Macromolecules</i> , <b>2018</b> , 51, 2258-2267	5.5	26

140	Diffusion of Sticky Nanoparticles in a Polymer Melt: Crossover from Suppressed to Enhanced Transport. <i>Macromolecules</i> , <b>2018</b> , 51, 2268-2275	5.5	36
139	Physics of the Stress Overshoot and Chain Stretch Dynamics of Entangled Polymer Liquids Under Continuous Startup Nonlinear Shear. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 218-222	6.6	24
138	Microscopic Theory of Coupled Slow Activated Dynamics in Glass-Forming Binary Mixtures. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 3465-3479	3.4	15
137	Dynamic Gradients, Mobile Layers, Tg Shifts, Role of Vitrification Criterion, and Inhomogeneous Decoupling in Free-Standing Polymer Films. <i>Macromolecules</i> , <b>2018</b> , 51, 6063-6075	5.5	21
136	Inferring the Nonlinear Mechanisms of a Reversible Network. <i>Macromolecules</i> , <b>2018</b> , 51, 8772-8789	5.5	21
135	Consequences of Delayed Chain Retraction on the Rheology and Stretch Dynamics of Entangled Polymer Liquids under Continuous Nonlinear Shear Deformation. <i>Macromolecules</i> , <b>2018</b> , 51, 4185-4200	5.5	19
134	Integration of colloids into a semi-flexible network of fibrin. <i>Soft Matter</i> , <b>2017</b> , 13, 1430-1443	3.6	6
133	Influence of chemistry, interfacial width, and non-isothermal conditions on spatially heterogeneous activated relaxation and elasticity in glass-forming free standing films. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 203301	3.9	22
132	A strain stiffening theory for transient polymer networks under asymptotically nonlinear oscillatory shear. <i>Journal of Rheology</i> , <b>2017</b> , 61, 643-665	4.1	24
131	Preface: Special Topic on Dynamics of Polymer Materials in Thin Films and Related Geometries. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 203001	3.9	
130	Segment-scale, force-level theory of mesoscopic dynamic localization and entropic elasticity in entangled chain polymer liquids. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 134901	3.9	8
129	Dynamic cross-correlations between entangled biofilaments as they diffuse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 3322-3327	11.5	9
128	Big Effect of Small Nanoparticles: A Shift in Paradigm for Polymer Nanocomposites. <i>ACS Nano</i> , <b>2017</b> , 11, 752-759	16.7	140
127	Correlated matrix-fluctuation-mediated activated transport of dilute penetrants in glass-forming liquids and suspensions. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 194906	3.9	19
126	Statistical Mechanical Theory of Penetrant Diffusion in Polymer Melts and Glasses. <i>Macromolecules</i> , <b>2016</b> , 49, 5727-5739	5.5	19
125	Correlation between Fragility and the Arrhenius Crossover Phenomenon in Metallic, Molecular, and Network Liquids. <i>Physical Review Letters</i> , <b>2016</b> , 117, 205701	7.4	57
124	Nonuniversal Coupling of Cage Scale Hopping and Collective Elastic Distortion as the Origin of Dynamic Fragility Diversity in Glass-Forming Polymer Liquids. <i>Macromolecules</i> , <b>2016</b> , 49, 9655-9664	5.5	41
123	Multi-scale entropic depletion phenomena in polymer liquids. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 214903	3.9	5

122	Self-assembly of monodisperse starburst carbon spheres into hierarchically organized nanostructured supercapacitor electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9128-33	9.5	30
121	Dynamical Theory of Segmental Relaxation and Emergent Elasticity in Supercooled Polymer Melts. <i>Macromolecules</i> , <b>2015</b> , 48, 1901-1913	5.5	73
120	Entropic depletion in colloidal suspensions and polymer liquids: role of nanoparticle surface topography. <i>Soft Matter</i> , <b>2015</b> , 11, 9086-98	3.6	11
119	Microscopic Theory of the Long-Time Diffusivity and Intermediate-Time Anomalous Transport of a Nanoparticle in Polymer Melts. <i>Macromolecules</i> , <b>2015</b> , 48, 152-163	5.5	80
118	Revealing spatially heterogeneous relaxation in a model nanocomposite. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 194704	3.9	44
117	Theory of activated penetrant diffusion in viscous fluids and colloidal suspensions. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 144906	3.9	9
116	Theory of activated glassy relaxation, mobility gradients, surface diffusion, and vitrification in free standing thin films. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 244705	3.9	54
115	Controlling effective interactions and spatial dispersion of nanoparticles in multiblock copolymer melts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 1098-1111	2.6	9
114	Microscopic Theory for the Role of Attractive Forces in the Dynamics of Supercooled Liquids. <i>Physical Review Letters</i> , <b>2015</b> , 115, 205702	7.4	24
113	Theory of Anisotropic Diffusion of Entangled and Unentangled Polymers in Rod-Sphere Mixtures. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 53-57	6.6	7
112	Nanoparticle diffusion in polymer nanocomposites. <i>Physical Review Letters</i> , <b>2014</b> , 112, 108301	7.4	130
111	Theory of Localization and Activated Hopping of Nanoparticles in Cross-Linked Networks and Entangled Polymer Melts. <i>Macromolecules</i> , <b>2014</b> , 47, 405-414	5.5	41
110	Elastically cooperative activated barrier hopping theory of relaxation in viscous fluids. I. General formulation and application to hard sphere fluids. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 194506	3.9	114
109	Elastically cooperative activated barrier hopping theory of relaxation in viscous fluids. II. Thermal liquids. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 194507	3.9	118
108	Communication: Slow relaxation, spatial mobility gradients, and vitrification in confined films. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 161103	3.9	70
107	Directing colloidal assembly and a metal-insulator transition using a quench-disordered porous rod template. <i>Physical Review Letters</i> , <b>2014</b> , 113, 208302	7.4	5
106	Dynamical Simulations of Coarse Grain Polymeric Systems: Rouse and Entangled Dynamics. <i>Macromolecules</i> , <b>2013</b> , 46, 6287-6299	5.5	51
105	Unified Theory of Activated Relaxation in Liquids over 14 Decades in Time. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3648-3653	6.4	93

104	Theory of Entanglements and Tube Confinement in Rod-Sphere Nanocomposites.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 955-959	6.6	20
103	Entangled polymer chain melts: orientation and deformation dependent tube confinement and interchain entanglement elasticity. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 234904	3.9	22
102	Theory of kinetic arrest, elasticity, and yielding in dense binary mixtures of rods and spheres. <i>Physical Review E</i> , <b>2012</b> , 86, 061503	2.4	8
101	Theory of nanoparticle diffusion in unentangled and entangled polymer melts. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 224902	3.9	117
100	Packing correlations, collective scattering and compressibility of fractal-like aggregates in polymer nanocomposites and suspensions. <i>Soft Matter</i> , <b>2011</b> , 7, 5397	3.6	10
99	Theory of Yielding, Strain Softening, and Steady Plastic Flow in Polymer Glasses under Constant Strain Rate Deformation. <i>Macromolecules</i> , <b>2011</b> , 44, 3988-4000	5.5	96
98	Percolation, phase separation, and gelation in fluids and mixtures of spheres and rods. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 234902	3.9	14
97	Multiscale structure, interfacial cohesion, adsorbed layers, and thermodynamics in dense polymer-nanoparticle mixtures. <i>Physical Review Letters</i> , <b>2011</b> , 107, 225504	7.4	58
96	Activated dynamics in dense fluids of attractive nonspherical particles. I. Kinetic crossover, dynamic free energies, and the physical nature of glasses and gels. <i>Physical Review E</i> , <b>2011</b> , 83, 041406	2.4	20
95	Glassy dynamics and mechanical response in dense fluids of soft repulsive spheres. II. Shear modulus, relaxation-elasticity connections, and rheology. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 204909	3.9	21
94	Long Wavelength Concentration Fluctuations and Cage Scale Ordering of Nanoparticles in Concentrated Polymer Solutions. <i>Macromolecules</i> , <b>2010</b> , 43, 10123-10131	5.5	29
93	Molecular theories of polymer nanocomposites. <i>Current Opinion in Solid State and Materials Science</i> , <b>2010</b> , 14, 38-48	12	141
92	Molecular Theories of Segmental Dynamics and Mechanical Response in Deeply Supercooled Polymer Melts and Glasses. <i>Annual Review of Condensed Matter Physics</i> , <b>2010</b> , 1, 277-300	19.7	77
91	Structure, scattering patterns and phase behavior of polymer nanocomposites with nonspherical fillers. <i>Soft Matter</i> , <b>2010</b> , 6, 1015	3.6	42
90	Resolving the mystery of the chain friction mechanism in polymer liquids. <i>Physical Review Letters</i> , <b>2009</b> , 102, 248301	7.4	85
89	Liquid state theory of the structure and phase behaviour of polymer-tethered nanoparticles in dense suspensions, melts and nanocomposites. <i>Molecular Simulation</i> , <b>2009</b> , 35, 835-848	2	25
88	The influence of shape on the glassy dynamics of hard nonspherical particle fluids. I. Dynamic crossover and elasticity. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 244906	3.9	19
87	Concentration Fluctuations, Local Order, and the Collective Structure of Polymer Nanocomposites. <i>Macromolecules</i> , <b>2009</b> , 42, 8435-8442	5.5	73

86	Glassy dynamics and kinetic vitrification of isotropic suspensions of hard rods. <i>Langmuir</i> , <b>2008</b> , 24, 7474-84	4.4	24
85	Nonlinear Creep in a Polymer Glass. <i>Macromolecules</i> , <b>2008</b> , 41, 4969-4977	5.5	77
84	Many body effects on the phase separation and structure of dense polymer-particle melts. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 234901	3.9	78
83	Anomalous diffusion, structural relaxation and shear thinning in glassy hard sphere fluids. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 244129	1.8	23
82	Large-amplitude jumps and non-Gaussian dynamics in highly concentrated hard sphere fluids. <i>Physical Review E</i> , <b>2008</b> , 77, 051504	2.4	61
81	Theory of gelation, vitrification, and activated barrier hopping in mixtures of hard and sticky spheres. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 084509	3.9	32
80	Microscopic Constitutive Equation Theory for the Nonlinear Mechanical Response of Polymer Glasses. <i>Macromolecules</i> , <b>2008</b> , 41, 5908-5918	5.5	62
79	Real Space Structure and Scattering Patterns of Model Polymer Nanocomposites. <i>Macromolecules</i> , <b>2007</b> , 40, 6998-7008	5.5	58
78	Ideal glass transitions, shear modulus, activated dynamics, and yielding in fluids of nonspherical objects. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 014505	3.9	33
77	Dynamical fluctuation effects in glassy colloidal suspensions. <i>Current Opinion in Colloid and Interface Science</i> , <b>2007</b> , 12, 297-306	7.6	70
76	Relationships between the single particle barrier hopping theory and thermodynamic, disordered media, elastic, and jamming models of glassy systems. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 164506	3.9	43
75	Chain conformations and bound-layer correlations in polymer nanocomposites. <i>Physical Review Letters</i> , <b>2007</b> , 98, 128302	7.4	115
74	Stress-enhanced mobility and dynamic yielding in polymer glasses. <i>Europhysics Letters</i> , <b>2007</b> , 79, 26006	1.6	75
73	Integral Equation Theories of the Structure, Thermodynamics, and Phase Transitions of Polymer Fluids. <i>Advances in Chemical Physics</i> , <b>2007</b> , 1-142		200
72	Collisions, caging, thermodynamics, and jamming in the barrier hopping theory of glassy hard sphere fluids. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 164505	3.9	77
71	Activated hopping and dynamical fluctuation effects in hard sphere suspensions and fluids. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 44509	3.9	80
70	Non-Gaussian effects, space-time decoupling, and mobility bifurcation in glassy hard-sphere fluids and suspensions. <i>Physical Review E</i> , <b>2006</b> , 74, 061501	2.4	58
69	Theory of Phase Separation in Polymer Nanocomposites. <i>Macromolecules</i> , <b>2006</b> , 39, 5133-5142	5.5	255

68	Barrier hopping, viscous flow, and kinetic gelation in particle-polymer suspensions. <i>Physical Review E</i> , <b>2005</b> , 71, 041405	2.4	36
67	Dynamic yielding, shear thinning, and stress rheology of polymer-particle suspensions and gels. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 164903	3.9	35
66	Contact Aggregation, Bridging, and Steric Stabilization in Dense Polymer-Particle Mixtures. <i>Macromolecules</i> , <b>2005</b> , 38, 8858-8869	5.5	240
65	Derivation of a microscopic theory of barriers and activated hopping transport in glassy liquids and suspensions. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 244501	3.9	139
64	Strain softening, yielding, and shear thinning in glassy colloidal suspensions. <i>Physical Review E</i> , <b>2005</b> , 71, 021401	2.4	134
63	Nonlinear elasticity and yielding of depletion gels. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 164902	3.9	51
62	Elasticity and clustering in concentrated depletion gels. <i>Physical Review E</i> , <b>2004</b> , 70, 040401	2.4	59
61	Theory of dynamic barriers, activated hopping, and the glass transition in polymer melts. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 1984-2000	3.9	94
60	Structure, surface excess and effective interactions in polymer nanocomposite melts and concentrated solutions. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 6986-97	3.9	148
59	Microscopic theory of gelation and elasticity in polymer-particle suspensions. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 7212-22	3.9	103
58	Activated Hopping, Barrier Fluctuations, and Heterogeneity in Glassy Suspensions and Liquids. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 19729-19741	3.4	109
57	Stretching, Packing, and Thermodynamics in Highly Branched Polymer Melts. <i>Macromolecules</i> , <b>2003</b> , 36, 2544-2552	5.5	16
56	Microstructure of dense colloid-polymer suspensions and gels. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 4751-4778	1.8	74
55	Transport coefficients in glassy colloidal fluids. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 1197-1203	3.9	66
54	Phase separation in suspensions of colloids, polymers and nanoparticles: Role of solvent quality, physical mesh, and nonlocal entropic repulsion. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 3880-3890	3.9	35
53	Phase behavior and concentration fluctuations in suspensions of hard spheres and nearly ideal polymers. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 3350-3361	3.9	68
52	Viscoelasticity and rheology of depletion flocculated gels and fluids. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 8747-8760	3.9	105
51	Entropic barriers, activated hopping, and the glass transition in colloidal suspensions. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 1181-1196	3.9	249



50	Density fluctuation correlation length in polymer fluids. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 7599-7603	3.9	16
49	Entropy driven phase transitions in colloid-polymer suspensions: Tests of depletion theories. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 2201-2212	3.9	148
48	Surface Diffusion of Poly(ethylene glycol). <i>Macromolecules</i> , <b>2002</b> , 35, 1776-1784	5.5	123
47	Structure of colloid-polymer suspensions. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, R239-R269	1.8	162
46	Depletion interactions in suspensions of spheres and rod-polymers. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 1351-1362	3.9	44
45	Materials science. Diffusion of a polymer 'pancake'. <i>Nature</i> , <b>2000</b> , 406, 146	50.4	154
44	Structure and thermodynamics of colloid-polymer mixtures: A macromolecular approach. <i>Europhysics Letters</i> , <b>2000</b> , 51, 621-627	1.6	125
43	Liquid crystallinity in flexible and rigid rod polymers. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 4881-4892	3.9	19
42	Effects of polyethylene glycol on protein interactions. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 9863-9873	3.9	106
41	Structure and thermodynamics of anisotropic polymer fluids. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 4869-4880	3.9	19
40	Depletion Interactions in the Protein Limit: Effects of Polymer Density Fluctuations. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4554-4557	7.4	102
39	Liquid-state theory of anisotropic flexible polymer fluids. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 6597-6600	3.9	20
38	Microscopic theory of polymer-mediated interactions between spherical particles. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 10464-10476	3.9	114
37	Analytic integral equation theory for the critical properties of homopolymer fluids. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 3813-3826	3.9	16
36	Mode-coupling theory of self-diffusion in diblock copolymers. II. Model calculations and experimental comparisons. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 1271-1283	3.9	15
35	Correlation effects in dilute particle-polymer mixtures. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 10477-10488	3.9	47
34	Mode-coupling theory of self-diffusion in diblock copolymers I. General derivation and qualitative predictions. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 1257-1270	3.9	14
33	Mode-coupling theory of the slow dynamics of polymeric liquids: Fractal macromolecular architectures. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 347-375	3.9	40

32	Fluctuations effects in diblock copolymer fluids: Comparison of theories and experiment. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 7391-7410	3.9	46
31	Polymer-mode-coupling theory of the slow dynamics of entangled macromolecular fluids. <i>Macromolecular Theory and Simulations</i> , <b>1997</b> , 6, 1037-1117	1.5	73
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