

Kenneth S Schweizer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7791422/publications.pdf>

Version: 2024-02-01

177
papers

10,792
citations

17405

63
h-index

37111

96
g-index

179
all docs

179
docs citations

179
times ranked

4471
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory for the Elementary Time Scale of Stress Relaxation in Polymer Nanocomposites. ACS Macro Letters, 2022, 11, 199-204.	2.3	6
2	The Asakura–Oosawa theory: Entropic forces in physics, biology, and soft matter. Journal of Chemical Physics, 2022, 156, 080401.	1.2	19
3	Activated relaxation in supercooled monodisperse atomic and polymeric WCA fluids: Simulation and ECNLE theory. Journal of Chemical Physics, 2022, 156, 114901.	1.2	10
4	Influence of Attractive Functional Groups on the Segmental Dynamics and Glass Transition in Associating Polymers. Macromolecules, 2022, 55, 2345-2357.	2.2	12
5	Structural Relaxation and Vitrification in Dense Cross-Linked Polymer Networks: Simulation, Theory, and Experiment. Macromolecules, 2022, 55, 4159-4173.	2.2	17
6	Experimental test of a predicted dynamics–structure–thermodynamics connection in molecularly complex glass-forming liquids. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	32
7	Collective Nanoparticle Dynamics Associated with Bridging Network Formation in Model Polymer Nanocomposites. ACS Nano, 2021, 15, 11501-11513.	7.3	34
8	Nature of dynamic gradients, glass formation, and collective effects in ultrathin freestanding films. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
9	Theory of the effect of external stress on the activated dynamics and transport of dilute penetrants in supercooled liquids and glasses. Journal of Chemical Physics, 2021, 155, 054505.	1.2	10
10	Theory of Transient Localization, Activated Dynamics, and a Macromolecular Glass Transition in Ring Polymer Liquids. ACS Macro Letters, 2021, 10, 1229-1235.	2.3	6
11	Linear and nonlinear viscoelasticity of concentrated thermoresponsive microgel suspensions. Journal of Colloid and Interface Science, 2021, 601, 886-898.	5.0	12
12	Activated penetrant dynamics in glass forming liquids: size effects, decoupling, slaving, collective elasticity and correlation with matrix compressibility. Soft Matter, 2021, 17, 2624-2639.	1.2	16
13	Physical Bond Breaking in Associating Copolymer Liquids. ACS Macro Letters, 2021, 10, 122-128.	2.3	14
14	Experimental Tests of a Theoretically Predicted Noncausal Correlation between Dynamics and Thermodynamics in Glass-forming Polymer Melts. Macromolecules, 2021, 54, 10086-10099.	2.2	19
15	Long Wavelength Thermal Density Fluctuations in Molecular and Polymer Glass-Forming Liquids: Experimental and Theoretical Analysis under Isobaric Conditions. Journal of Physical Chemistry B, 2021, 125, 12353-12364.	1.2	10
16	Thermodynamics–Structure–Dynamics Correlations and Nonuniversal Effects in the Elastically Collective Activated Hopping Theory of Glass-Forming Liquids. Journal of Physical Chemistry B, 2020, 124, 6121-6131.	1.2	29
17	Microscopic Theory of Long-Time Center-of-Mass Self-Diffusion and Anomalous Transport in Ring Polymer Liquids. Macromolecules, 2020, 53, 10431-10445.	2.2	16
18	Microscopic theory of onset of decaging and bond-breaking activated dynamics in ultradense fluids with strong short-range attractions. Physical Review E, 2020, 101, 060601.	0.8	4

#	ARTICLE	IF	CITATIONS
19	PRISM Theory of Local Structure and Phase Behavior of Dense Polymer Nanocomposites: Improved Closure Approximation and Comparison with Simulation. <i>Macromolecules</i> , 2020, 53, 9962-9972.	2.2	8
20	Bridging-Controlled Network Microstructure and Long-Wavelength Fluctuations in Silica-Poly(2-vinylpyridine) Nanocomposites: Experimental Results and Theoretical Analysis. <i>Macromolecules</i> , 2020, 53, 6984-6994.	2.2	20
21	Theory of microstructure-dependent glassy shear elasticity and dynamic localization in melt polymer nanocomposites. <i>Journal of Chemical Physics</i> , 2020, 153, 114901.	1.2	6
22	Mechanism of Soft Nanoparticle Diffusion in Entangled Polymer Melts. <i>Macromolecules</i> , 2020, 53, 7580-7589.	2.2	9
23	Microscopic Theory of the Effect of Caging and Physical Bonding on Segmental Relaxation in Associating Copolymer Liquids. <i>Macromolecules</i> , 2020, 53, 4366-4380.	2.2	12
24	Dynamics of poly[n]catenane melts. <i>Journal of Chemical Physics</i> , 2020, 152, 214901.	1.2	39
25	Microscopic Theory of Dynamically Heterogeneous Activated Relaxation as the Origin of Decoupling of Segmental and Chain Relaxation in Supercooled Polymer Melts. <i>Macromolecules</i> , 2020, 53, 5350-5360.	2.2	7
26	Thermodynamics and Structure of Poly[n]catenane Melts. <i>Macromolecules</i> , 2020, 53, 3390-3408.	2.2	44
27	Theory of Spatial Gradients of Relaxation, Vitrification Temperature and Fragility of Glass-Forming Polymer Liquids Near Solid Substrates. <i>ACS Macro Letters</i> , 2020, 9, 448-453.	2.3	24
28	A collective elastic fluctuation mechanism for decoupling and stretched relaxation in glassy colloidal and molecular liquids. <i>Journal of Chemical Physics</i> , 2020, 152, 034502.	1.2	14
29	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> , 2020, 101, 042121.	0.8	34
30	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> , 2020, 153, 194502.	1.2	14
31	Influence of Longer Range Transfer of Vapor Interface Modified Caging Constraints on the Spatially Heterogeneous Dynamics of Glass-Forming Liquids. <i>Macromolecules</i> , 2019, 52, 5192-5206.	2.2	27
32	Linear and nonlinear rheology and structural relaxation in dense glassy and jammed soft repulsive pNIPAM microgel suspensions. <i>Soft Matter</i> , 2019, 15, 1038-1052.	1.2	44
33	Local structure, thermodynamics, and phase behavior of asymmetric particle mixtures: Comparison between integral equation theories and simulation. <i>Journal of Chemical Physics</i> , 2019, 150, 214902.	1.2	9
34	Thermoresponsive Stiffening with Microgel Particles in a Semiflexible Fibrin Network. <i>Macromolecules</i> , 2019, 52, 3029-3041.	2.2	15
35	Progress towards a phenomenological picture and theoretical understanding of glassy dynamics and vitrification near interfaces and under nanoconfinement. <i>Journal of Chemical Physics</i> , 2019, 151, 240901.	1.2	84
36	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> , 2019, 151, 244502.	1.2	15

#	ARTICLE	IF	CITATIONS
37	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> , 2019, 150, 044508.	1.2	23
38	Theory and Simulation of Attractive Nanoparticle Transport in Polymer Melts. <i>Macromolecules</i> , 2018, 51, 2258-2267.	2.2	38
39	Diffusion of Sticky Nanoparticles in a Polymer Melt: Crossover from Suppressed to Enhanced Transport. <i>Macromolecules</i> , 2018, 51, 2268-2275.	2.2	52
40	Physics of the Stress Overshoot and Chain Stretch Dynamics of Entangled Polymer Liquids Under Continuous Startup Nonlinear Shear. <i>ACS Macro Letters</i> , 2018, 7, 218-222.	2.3	29
41	Microscopic Theory of Coupled Slow Activated Dynamics in Glass-Forming Binary Mixtures. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3465-3479.	1.2	20
42	Inferring the Nonlinear Mechanisms of a Reversible Network. <i>Macromolecules</i> , 2018, 51, 8772-8789.	2.2	25
43	Consequences of Delayed Chain Retraction on the Rheology and Stretch Dynamics of Entangled Polymer Liquids under Continuous Nonlinear Shear Deformation. <i>Macromolecules</i> , 2018, 51, 4185-4200.	2.2	25
44	Dynamic Gradients, Mobile Layers, T_g Shifts, Role of Vitrification Criterion, and Inhomogeneous Decoupling in Free-Standing Polymer Films. <i>Macromolecules</i> , 2018, 51, 6063-6075.	2.2	26
45	Integration of colloids into a semi-flexible network of fibrin. <i>Soft Matter</i> , 2017, 13, 1430-1443.	1.2	6
46	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> , 2017, 146, 203301.	1.2	25
47	A strain stiffening theory for transient polymer networks under asymptotically nonlinear oscillatory shear. <i>Journal of Rheology</i> , 2017, 61, 643-665.	1.3	34
48	Preface: Special Topic on Dynamics of Polymer Materials in Thin Films and Related Geometries. <i>Journal of Chemical Physics</i> , 2017, 146, 203001.	1.2	0
49	Segment-scale, force-level theory of mesoscopic dynamic localization and entropic elasticity in entangled chain polymer liquids. <i>Journal of Chemical Physics</i> , 2017, 146, 134901.	1.2	9
50	Dynamic cross-correlations between entangled biofilaments as they diffuse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3322-3327.	3.3	14
51	Big Effect of Small Nanoparticles: A Shift in Paradigm for Polymer Nanocomposites. <i>ACS Nano</i> , 2017, 11, 752-759.	7.3	177
52	Correlated matrix-fluctuation-mediated activated transport of dilute penetrants in glass-forming liquids and suspensions. <i>Journal of Chemical Physics</i> , 2017, 146, 194906.	1.2	29
53	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> , 2016, 49, 9655-9664.	2.2	54
54	Statistical Mechanical Theory of Penetrant Diffusion in Polymer Melts and Glasses. <i>Macromolecules</i> , 2016, 49, 5727-5739.	2.2	26

#	ARTICLE	IF	CITATIONS
55	Correlation between Fragility and the Arrhenius Crossover Phenomenon in Metallic, Molecular, and Network Liquids. <i>Physical Review Letters</i> , 2016, 117, 205701.	2.9	72
56	Revealing spatially heterogeneous relaxation in a model nanocomposite. <i>Journal of Chemical Physics</i> , 2015, 143, 194704.	1.2	57
57	Theory of activated penetrant diffusion in viscous fluids and colloidal suspensions. <i>Journal of Chemical Physics</i> , 2015, 143, 144906.	1.2	10
58	Theory of activated glassy relaxation, mobility gradients, surface diffusion, and vitrification in free standing thin films. <i>Journal of Chemical Physics</i> , 2015, 143, 244705.	1.2	61
59	Controlling effective interactions and spatial dispersion of nanoparticles in multiblock copolymer melts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1098-1111.	2.4	10
60	Microscopic Theory for the Role of Attractive Forces in the Dynamics of Supercooled Liquids. <i>Physical Review Letters</i> , 2015, 115, 205702.	2.9	31
61	Theory of Anisotropic Diffusion of Entangled and Unentangled Polymers in Rod-Sphere Mixtures. <i>ACS Macro Letters</i> , 2015, 4, 53-57.	2.3	7
62	Multi-scale entropic depletion phenomena in polymer liquids. <i>Journal of Chemical Physics</i> , 2015, 142, 214903.	1.2	7
63	Self-Assembly of Monodisperse Starburst Carbon Spheres into Hierarchically Organized Nanostructured Supercapacitor Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9128-9133.	4.0	36
64	Dynamical Theory of Segmental Relaxation and Emergent Elasticity in Supercooled Polymer Melts. <i>Macromolecules</i> , 2015, 48, 1901-1913.	2.2	93
65	Entropic depletion in colloidal suspensions and polymer liquids: role of nanoparticle surface topography. <i>Soft Matter</i> , 2015, 11, 9086-9098.	1.2	13
66	Microscopic Theory of the Long-Time Diffusivity and Intermediate-Time Anomalous Transport of a Nanoparticle in Polymer Melts. <i>Macromolecules</i> , 2015, 48, 152-163.	2.2	96
67	Communication: Slow relaxation, spatial mobility gradients, and vitrification in confined films. <i>Journal of Chemical Physics</i> , 2014, 141, 161103.	1.2	76
68	Directing Colloidal Assembly and a Metal-Insulator Transition Using a Quench-Disordered Porous Rod Template. <i>Physical Review Letters</i> , 2014, 113, 208302.	2.9	7
69	Nanoparticle Diffusion in Polymer Nanocomposites. <i>Physical Review Letters</i> , 2014, 112, 108301.	2.9	157
70	Theory of Localization and Activated Hopping of Nanoparticles in Cross-Linked Networks and Entangled Polymer Melts. <i>Macromolecules</i> , 2014, 47, 405-414.	2.2	69
71	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> , 2014, 140, 194506.	1.2	142
72	Elastically cooperative activated barrier hopping theory of relaxation in viscous fluids. II. Thermal liquids. <i>Journal of Chemical Physics</i> , 2014, 140, 194507.	1.2	146

#	ARTICLE	IF	CITATIONS
73	Dynamical Simulations of Coarse Grain Polymeric Systems: Rouse and Entangled Dynamics. <i>Macromolecules</i> , 2013, 46, 6287-6299.	2.2	59
74	Unified Theory of Activated Relaxation in Liquids over 14 Decades in Time. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3648-3653.	2.1	109
75	Theory of Entanglements and Tube Confinement in Rod-Sphere Nanocomposites. <i>ACS Macro Letters</i> , 2013, 2, 955-959.	2.3	23
76	Entangled polymer chain melts: Orientation and deformation dependent tube confinement and interchain entanglement elasticity. <i>Journal of Chemical Physics</i> , 2013, 139, 234904.	1.2	26
77	Theory of kinetic arrest, elasticity, and yielding in dense binary mixtures of rods and spheres. <i>Physical Review E</i> , 2012, 86, 061503.	0.8	11
78	Theory of nanoparticle diffusion in unentangled and entangled polymer melts. <i>Journal of Chemical Physics</i> , 2011, 135, 224902.	1.2	130
79	Packing correlations, collective scattering and compressibility of fractal-like aggregates in polymer nanocomposites and suspensions. <i>Soft Matter</i> , 2011, 7, 5397.	1.2	10
80	Theory of Yielding, Strain Softening, and Steady Plastic Flow in Polymer Glasses under Constant Strain Rate Deformation. <i>Macromolecules</i> , 2011, 44, 3988-4000.	2.2	108
81	Percolation, phase separation, and gelation in fluids and mixtures of spheres and rods. <i>Journal of Chemical Physics</i> , 2011, 135, 234902.	1.2	18
82	Multiscale Structure, Interfacial Cohesion, Adsorbed Layers, and Thermodynamics in Dense Polymer-Nanoparticle Mixtures. <i>Physical Review Letters</i> , 2011, 107, 225504.	2.9	63
83	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> , 2011, 83, 041406.	0.8	21
84	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> , 2011, 134, 204909.	1.2	23
85	Long Wavelength Concentration Fluctuations and Cage Scale Ordering of Nanoparticles in Concentrated Polymer Solutions. <i>Macromolecules</i> , 2010, 43, 10123-10131.	2.2	30
86	Molecular theories of polymer nanocomposites. <i>Current Opinion in Solid State and Materials Science</i> , 2010, 14, 38-48.	5.6	150
87	Molecular Theories of Segmental Dynamics and Mechanical Response in Deeply Supercooled Polymer Melts and Glasses. <i>Annual Review of Condensed Matter Physics</i> , 2010, 1, 277-300.	5.2	86
88	Structure, scattering patterns and phase behavior of polymer nanocomposites with nonspherical fillers. <i>Soft Matter</i> , 2010, 6, 1015.	1.2	44
89	Resolving the Mystery of the Chain Friction Mechanism in Polymer Liquids. <i>Physical Review Letters</i> , 2009, 102, 248301.	2.9	92
90	Liquid state theory of the structure and phase behaviour of polymer-tethered nanoparticles in dense suspensions, melts and nanocomposites. <i>Molecular Simulation</i> , 2009, 35, 835-848.	0.9	28

#	ARTICLE	IF	CITATIONS
91	The influence of shape on the glassy dynamics of hard nonspherical particle fluids. I. Dynamic crossover and elasticity. <i>Journal of Chemical Physics</i> , 2009, 130, 244906.	1.2	21
92	Concentration Fluctuations, Local Order, and the Collective Structure of Polymer Nanocomposites. <i>Macromolecules</i> , 2009, 42, 8435-8442.	2.2	79
93	Microscopic Constitutive Equation Theory for the Nonlinear Mechanical Response of Polymer Glasses. <i>Macromolecules</i> , 2008, 41, 5908-5918.	2.2	66
94	Glassy Dynamics and Kinetic Vitrification of Isotropic Suspensions of Hard Rods. <i>Langmuir</i> , 2008, 24, 7474-7484.	1.6	26
95	Nonlinear Creep in a Polymer Glass. <i>Macromolecules</i> , 2008, 41, 4969-4977.	2.2	85
96	Many body effects on the phase separation and structure of dense polymer-particle melts. <i>Journal of Chemical Physics</i> , 2008, 128, 234901.	1.2	84
97	Anomalous diffusion, structural relaxation and shear thinning in glassy hard sphere fluids. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 244129.	0.7	24
98	Large-amplitude jumps and non-Gaussian dynamics in highly concentrated hard sphere fluids. <i>Physical Review E</i> , 2008, 77, 051504.	0.8	65
99	Theory of gelation, vitrification, and activated barrier hopping in mixtures of hard and sticky spheres. <i>Journal of Chemical Physics</i> , 2008, 128, 084509.	1.2	38
100	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> , 2007, 127, 164506.	1.2	44
101	Chain Conformations and Bound-Layer Correlations in Polymer Nanocomposites. <i>Physical Review Letters</i> , 2007, 98, 128302.	2.9	129
102	Stress-enhanced mobility and dynamic yielding in polymer glasses. <i>Europhysics Letters</i> , 2007, 79, 26006.	0.7	79
103	Integral Equation Theories of the Structure, Thermodynamics, and Phase Transitions of Polymer Fluids. <i>Advances in Chemical Physics</i> , 2007, , 1-142.	0.3	224
104	Collisions, caging, thermodynamics, and jamming in the barrier hopping theory of glassy hard sphere fluids. <i>Journal of Chemical Physics</i> , 2007, 127, 164505.	1.2	84
105	Real Space Structure and Scattering Patterns of Model Polymer Nanocomposites. <i>Macromolecules</i> , 2007, 40, 6998-7008.	2.2	64
106	Ideal glass transitions, shear modulus, activated dynamics, and yielding in fluids of nonspherical objects. <i>Journal of Chemical Physics</i> , 2007, 126, 014505.	1.2	37
107	Dynamical fluctuation effects in glassy colloidal suspensions. <i>Current Opinion in Colloid and Interface Science</i> , 2007, 12, 297-306.	3.4	71
108	Theory of Phase Separation in Polymer Nanocomposites. <i>Macromolecules</i> , 2006, 39, 5133-5142.	2.2	278

#	ARTICLE	IF	CITATIONS
109	Activated hopping and dynamical fluctuation effects in hard sphere suspensions and fluids. <i>Journal of Chemical Physics</i> , 2006, 125, 044509.	1.2	85
110	Non-Gaussian effects, space-time decoupling, and mobility bifurcation in glassy hard-sphere fluids and suspensions. <i>Physical Review E</i> , 2006, 74, 061501.	0.8	62
111	Derivation of a microscopic theory of barriers and activated hopping transport in glassy liquids and suspensions. <i>Journal of Chemical Physics</i> , 2005, 123, 244501.	1.2	153
112	Strain softening, yielding, and shear thinning in glassy colloidal suspensions. <i>Physical Review E</i> , 2005, 71, 021401.	0.8	138
113	Nonlinear elasticity and yielding of depletion gels. <i>Journal of Chemical Physics</i> , 2005, 123, 164902.	1.2	52
114	Barrier hopping, viscous flow, and kinetic gelation in particle-polymer suspensions. <i>Physical Review E</i> , 2005, 71, 041405.	0.8	39
115	Dynamic yielding, shear thinning, and stress rheology of polymer-particle suspensions and gels. <i>Journal of Chemical Physics</i> , 2005, 123, 164903.	1.2	40
116	Contact Aggregation, Bridging, and Steric Stabilization in Dense Polymer-Particle Mixtures. <i>Macromolecules</i> , 2005, 38, 8858-8869.	2.2	265
117	Elasticity and clustering in concentrated depletion gels. <i>Physical Review E</i> , 2004, 70, 040401.	0.8	68
118	Theory of dynamic barriers, activated hopping, and the glass transition in polymer melts. <i>Journal of Chemical Physics</i> , 2004, 121, 1984-2000.	1.2	107
119	Structure, surface excess and effective interactions in polymer nanocomposite melts and concentrated solutions. <i>Journal of Chemical Physics</i> , 2004, 121, 6986-6997.	1.2	155
120	Microscopic theory of gelation and elasticity in polymer-particle suspensions. <i>Journal of Chemical Physics</i> , 2004, 120, 7212-7222.	1.2	112
121	Activated Hopping, Barrier Fluctuations, and Heterogeneity in Glassy Suspensions and Liquids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19729-19741.	1.2	120
122	Stretching, Packing, and Thermodynamics in Highly Branched Polymer Melts. <i>Macromolecules</i> , 2003, 36, 2544-2552.	2.2	16
123	Microstructure of dense colloid-polymer suspensions and gels. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 4751-4778.	0.7	77
124	Transport coefficients in glassy colloidal fluids. <i>Journal of Chemical Physics</i> , 2003, 119, 1197-1203.	1.2	72
125	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> , 2003, 118, 3880-3890.	1.2	38
126	Phase behavior and concentration fluctuations in suspensions of hard spheres and nearly ideal polymers. <i>Journal of Chemical Physics</i> , 2003, 118, 3350-3361.	1.2	70

#	ARTICLE	IF	CITATIONS
127	Viscoelasticity and rheology of depletion flocculated gels and fluids. <i>Journal of Chemical Physics</i> , 2003, 119, 8747-8760.	1.2	114
128	Entropic barriers, activated hopping, and the glass transition in colloidal suspensions. <i>Journal of Chemical Physics</i> , 2003, 119, 1181-1196.	1.2	276
129	Density fluctuation correlation length in polymer fluids. <i>Journal of Chemical Physics</i> , 2003, 119, 7599-7603.	1.2	17
130	Entropy driven phase transitions in colloid-polymer suspensions: Tests of depletion theories. <i>Journal of Chemical Physics</i> , 2002, 116, 2201-2212.	1.2	157
131	Surface Diffusion of Poly(ethylene glycol). <i>Macromolecules</i> , 2002, 35, 1776-1784.	2.2	130
132	Structure of colloid-polymer suspensions. <i>Journal of Physics Condensed Matter</i> , 2002, 14, R239-R269.	0.7	175
133	Depletion interactions in suspensions of spheres and rod-polymers. <i>Journal of Chemical Physics</i> , 2002, 117, 1351-1362.	1.2	48
134	Diffusion of a polymer "pancake". <i>Nature</i> , 2000, 406, 146-146.	13.7	164
135	Structure and thermodynamics of colloid-polymer mixtures: A macromolecular approach. <i>Europhysics Letters</i> , 2000, 51, 621-627.	0.7	131
136	Liquid crystallinity in flexible and rigid rod polymers. <i>Journal of Chemical Physics</i> , 2000, 112, 4881-4892.	1.2	20
137	Effects of polyethylene glycol on protein interactions. <i>Journal of Chemical Physics</i> , 2000, 113, 9863-9873.	1.2	120
138	Structure and thermodynamics of anisotropic polymer fluids. <i>Journal of Chemical Physics</i> , 2000, 112, 4869-4880.	1.2	20
139	Depletion Interactions in the Protein Limit: Effects of Polymer Density Fluctuations. <i>Physical Review Letters</i> , 1999, 83, 4554-4557.	2.9	108
140	Liquid-state theory of anisotropic flexible polymer fluids. <i>Journal of Chemical Physics</i> , 1999, 110, 6597-6600.	1.2	21
141	Microscopic theory of polymer-mediated interactions between spherical particles. <i>Journal of Chemical Physics</i> , 1998, 109, 10464-10476.	1.2	120
142	Analytic integral equation theory for the critical properties of homopolymer fluids. <i>Journal of Chemical Physics</i> , 1998, 108, 3813-3826.	1.2	16
143	Mode-coupling theory of self-diffusion in diblock copolymers. II. Model calculations and experimental comparisons. <i>Journal of Chemical Physics</i> , 1998, 108, 1271-1283.	1.2	16
144	Correlation effects in dilute particle-polymer mixtures. <i>Journal of Chemical Physics</i> , 1998, 109, 10477-10488.	1.2	50

#	ARTICLE	IF	CITATIONS
145	Mode-coupling theory of self-diffusion in diblock copolymers I. General derivation and qualitative predictions. <i>Journal of Chemical Physics</i> , 1998, 108, 1257-1270.	1.2	14
146	Mode-coupling theory of the slow dynamics of polymeric liquids: Fractal macromolecular architectures. <i>Journal of Chemical Physics</i> , 1997, 106, 347-375.	1.2	42
147	Fluctuations effects in diblock copolymer fluids: Comparison of theories and experiment. <i>Journal of Chemical Physics</i> , 1997, 106, 7391-7410.	1.2	50
148	Polymer-mode-coupling theory of the slow dynamics of entangled macromolecular fluids. <i>Macromolecular Theory and Simulations</i> , 1997, 6, 1037-1117.	0.6	82
149	Mode-coupling theory for self-diffusion in polymer blends and blend solutions. <i>Journal of Chemical Physics</i> , 1996, 105, 779-791.	1.2	13
150	Mode-coupling theory of diffusion in block copolymer melts: Influence of concentration fluctuations. <i>Journal of Chemical Physics</i> , 1995, 103, 6296-6299.	1.2	28
151	Correlation effects and entropy-driven phase separation in athermal polymer blends. <i>Journal of Chemical Physics</i> , 1995, 103, 5814-5832.	1.2	43
152	On the interpretation of "ripple" polymer interdiffusion experiments in terms of models for bulk single-chain dynamics. <i>Journal of Chemical Physics</i> , 1995, 102, 2222-2238.	1.2	8
153	Diffusion and relaxation of chain polymer liquids. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995, 71, 783-791.	0.6	15
154	Mode-coupling theory of entangled polymer fluids. <i>Transport Theory and Statistical Physics</i> , 1995, 24, 947-977.	0.4	20
155	Structure-Property Correlations of Atomistic and Coarse-Grained Models of Polymer Melts. <i>Macromolecules</i> , 1995, 28, 1528-1540.	2.2	57
156	Athermal stiffness blends: A comparison of Monte Carlo simulations and integral equation theory. <i>Journal of Chemical Physics</i> , 1995, 103, 9460-9474.	1.2	30
157	Solvation potentials for macromolecules. <i>Journal of Chemical Physics</i> , 1994, 100, 6846-6856.	1.2	83
158	Surface segregation in polymer blends due to stiffness disparity. <i>Journal of Chemical Physics</i> , 1994, 100, 4691-4694.	1.2	72
159	Liquid-state theory of the density dependent conformation of nonpolar linear polymers. <i>Journal of Chemical Physics</i> , 1994, 100, 6857-6872.	1.2	85
160	Reptation as a dynamic mean-field theory: Self and tracer diffusion in a simple model of rodlike polymers. <i>Journal of Chemical Physics</i> , 1994, 100, 3127-3141.	1.2	44
161	Structure of confined alkane liquids. <i>Journal of Chemical Physics</i> , 1994, 100, 3361-3364.	1.2	43
162	Integral equation theory of block copolymer liquids. I. General formalism and analytic predictions for symmetric copolymers. <i>Journal of Chemical Physics</i> , 1994, 100, 7767-7783.	1.2	74

#	ARTICLE	IF	CITATIONS
163	Integral equation theory of block copolymer liquids. II. Numerical results for finite hard-core diameter chains. <i>Journal of Chemical Physics</i> , 1994, 100, 7784-7795.	1.2	49
164	Polymer reference interaction site model theory: New molecular closures for phase separating fluids and alloys. <i>Journal of Chemical Physics</i> , 1993, 98, 9053-9079.	1.2	120
165	Integral equation theory of polymer blends: Numerical investigation of molecular closure approximations. <i>Journal of Chemical Physics</i> , 1993, 98, 9080-9093.	1.2	55
166	Variational approach to the conformation of flexible polymers in solution. <i>Journal of Chemical Physics</i> , 1993, 99, 5571-5580.	1.2	48
167	Mode-coupling theory of macromolecular liquids. <i>Physica Scripta</i> , 1993, T49A, 99-106.	1.2	26
168	On the scaling of the critical temperature with the degree of polymerization in symmetric polymer blends. <i>Journal of Chemical Physics</i> , 1992, 97, 5927-5930.	1.2	44
169	Self-consistent polymer integral equation theory: Comparisons with Monte Carlo simulations and alternative closure approximations. <i>Journal of Chemical Physics</i> , 1992, 97, 1455-1464.	1.2	57
170	Reference interaction site model theory of polymeric liquids: Self-consistent formulation and nonideality effects in dense solutions and melts. <i>Journal of Chemical Physics</i> , 1992, 96, 3211-3225.	1.2	89
171	Integral equation theory for compressible polymer alloys: thermodynamics, scattering, and miscibility of Gaussian chains. <i>Macromolecules</i> , 1991, 24, 6736-6747.	2.2	38
172	Local structure of semiflexible polymer melts. <i>Macromolecules</i> , 1990, 23, 3496-3505.	2.2	185
173	A comparison between integral equation theory and molecular dynamics simulations of dense, flexible polymer liquids. <i>Journal of Chemical Physics</i> , 1989, 91, 1357-1364.	1.2	95
174	Microscopic theory of the dynamics of polymeric liquids: General formulation of a mode-coupling approach. <i>Journal of Chemical Physics</i> , 1989, 91, 5802-5821.	1.2	280
175	Integral equation theory of polymer melts: intramolecular structure, local order, and the correlation hole. <i>Macromolecules</i> , 1988, 21, 3070-3081.	2.2	103
176	Equation of state of polymer melts: General formulation of a microscopic integral equation theory. <i>Journal of Chemical Physics</i> , 1988, 89, 3342-3349.	1.2	68
177	Vibrational dephasing and frequency shifts of polyatomic molecules in solution. <i>Journal of Chemical Physics</i> , 1982, 76, 2296-2314.	1.2	385