

Gregory B Mckenna

List of Publications by Year in descending order

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279
papers

15,107
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25423

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113
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290
all docs

290
docs citations

290
times ranked

9353
citing authors

#	ARTICLE	IF	CITATIONS
1	Softness mapping of the concentration dependence of the dynamics in model soft colloidal systems. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 398-409.	5.0	1
2	PolyDODT: a macrocyclic elastomer with unusual properties. <i>Polymer Chemistry</i> , 2022, 13, 668-676.	1.9	5
3	Determination of the molecular weight between crosslinks for different ambers: Viscoelastic measurements of the rubbery plateau*. <i>Polymer Engineering and Science</i> , 2022, 62, 1023-1040.	1.5	5
4	Rheology of Entangled Solutions of Ring-Linear DNA Blends. <i>Macromolecules</i> , 2022, 55, 1205-1217.	2.2	13
5	Some open challenges in polymer physics*. <i>Polymer Engineering and Science</i> , 2022, 62, 1325-1355.	1.5	9
6	Isothermal Crystallization Monitoring and Time-Temperature-Transformation of Amorphous GDC-0276: Differential Scanning Calorimetric and Rheological Measurements. <i>Molecular Pharmaceutics</i> , 2021, 18, 158-173.	2.3	5
7	Liquid chromatography at critical conditions (LCCC): Capabilities and limitations for polymer analysis. <i>Journal of Molecular Liquids</i> , 2021, 322, 114956.	2.3	10
8	Mechanical spectral hole burning in glassy polymers—Investigation of polycarbonate, a material with weak β -relaxation. <i>Journal of Chemical Physics</i> , 2021, 154, 124904.	1.2	4
9	Isothermal Crystallization and Time-Temperature Transformation of Amorphous Nifedipine: A Case of Polymorphism Formation and Conversion. <i>Molecular Pharmaceutics</i> , 2021, 18, 2786-2802.	2.3	11
10	On a fundamental description of the Kovacs™ kinetic signatures in glass-forming systems. <i>Journal of Chemical Physics</i> , 2021, 155, 014503.	1.2	3
11	Dynamics and rheology of ring-linear blend semidilute solutions in extensional flow: Single molecule experiments. <i>Journal of Rheology</i> , 2021, 65, 729-744.	1.3	19
12	Prediction of the Synergistic Glass Transition Temperature of Coamorphous Molecular Glasses Using Activity Coefficient Models. <i>Molecular Pharmaceutics</i> , 2021, 18, 3439-3451.	2.3	4
13	Deep glassy state dynamic data challenge glass models: Configurational entropy models. <i>Journal of Non-Crystalline Solids</i> , 2021, 566, 120871.	1.5	11
14	Deep glassy state dynamic data challenge glass models: Elastic models. <i>Journal of Non-Crystalline Solids: X</i> , 2021, 11-12, 100068.	0.5	1
15	Monodisperse Lambda DNA as a Model to Conventional Polymers: A Concentration-Dependent Scaling of the Rheological Properties. <i>Macromolecules</i> , 2021, 54, 8632-8654.	2.2	14
16	Liquid dewetting of ultrathin polystyrene films: Is there a molecular architecture effect?. <i>Journal of Polymer Science</i> , 2021, 59, 261-267.	2.0	0
17	Re-visiting the consequences of grafting density on the linear viscoelastic behavior of graft polymers. <i>Polymer</i> , 2020, 186, 121992.	1.8	4
18	Acceleration of decomposition of CL-20 explosive under nanoconfinement. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2649-2655.	2.0	7

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19	Effect of Nanoconfinement on Polymer Chain Dynamics. <i>Macromolecules</i> , 2020, 53, 10212-10216.	2.2	12
20	Crystallization kinetics of pentaerythritol tetranitrate (PETN) thin films on various materials. <i>Applied Surface Science</i> , 2020, 522, 146350.	3.1	5
21	The Laplace approach in microrheology. <i>Soft Matter</i> , 2020, 16, 3378-3383.	1.2	10
22	Molecular simulation of nanocolloid rheology: Viscosity, viscoelasticity, and time-concentration superposition. <i>Journal of Rheology</i> , 2020, 64, 529-543.	1.3	16
23	In situ measurement of bulk modulus and yield response of glassy thin films via confined layer compression. <i>Journal of Materials Research</i> , 2020, 35, 644-653.	1.2	7
24	“Dense diffusion” in colloidal glasses: short-ranged long-time self-diffusion as a mechanistic model for relaxation dynamics. <i>Soft Matter</i> , 2020, 16, 7370-7389.	1.2	9
25	LOOKING AT THE GLASS TRANSITION: CHALLENGES OF EXTREME TIME SCALES AND OTHER INTERESTING PROBLEMS. <i>Rubber Chemistry and Technology</i> , 2020, 93, 79-120.	0.6	26
26	Mechanical hole-burning spectroscopy of PMMA deep in the glassy state. <i>Journal of Chemical Physics</i> , 2020, 152, 074508.	1.2	5
27	Decomposition of HMX in solid and liquid states under nanoconfinement. <i>Thermochimica Acta</i> , 2020, 686, 178542.	1.2	4
28	A calorimetry investigation of glass temperature and fragility of ancient ambers from Texas and Canada. <i>Journal of Non-Crystalline Solids</i> , 2019, 521, 119549.	1.5	7
29	Effect of molecular architecture on ring polymer dynamics in semidilute linear polymer solutions. <i>Nature Communications</i> , 2019, 10, 1753.	5.8	45
30	Physical aging and compressed exponential behaviors in a model soft colloidal system. <i>Soft Matter</i> , 2019, 15, 2336-2347.	1.2	15
31	Linear Rheology of a Series of Second-Generation Dendronized Wedge Polymers. <i>Macromolecules</i> , 2019, 52, 2063-2074.	2.2	23
32	Nanoconfinement Effects on the Glass Transition and Crystallization Behaviors of Nifedipine. <i>Molecular Pharmaceutics</i> , 2019, 16, 856-866.	2.3	38
33	Soft matter: rubber and networks. <i>Reports on Progress in Physics</i> , 2018, 81, 066602.	8.1	22
34	Apparent depth-dependent modulus and hardness of polymers by nanoindentation: Investigation of surface detection error and pressure effects. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 414-428.	2.4	13
35	Exploring the validity of time-concentration superposition in glassy colloids: Experiments and simulations. <i>Physical Review E</i> , 2018, 98, .	0.8	10
36	Testing the paradigm of an ideal glass transition: Dynamics of an ultrastable polymeric glass. <i>Science Advances</i> , 2018, 4, eaau5423.	4.7	40

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37	Expanding the application of the van Gorp-Palmen plot: New insights into polymer melt rheology. <i>Polymer</i> , 2018, 155, 208-217.	1.8	34
38	Mechanical spectral hole burning of an entangled polymer solution in the stress-controlled domain. <i>Physical Review E</i> , 2018, 98, 012501.	0.8	8
39	Isochoric structural recovery in molecular glasses and its analog in colloidal glasses. <i>Physical Review E</i> , 2018, 97, 062601.	0.8	13
40	Long-term aging behaviors in a model soft colloidal system. <i>Soft Matter</i> , 2017, 13, 1396-1404.	1.2	24
41	Optical nanoscopy characterization of nanofilms. <i>Journal of Physics: Conference Series</i> , 2017, 780, 012003.	0.3	1
42	An Ultrastable Polymeric Glass: Amorphous Fluoropolymer with Extreme Fictive Temperature Reduction by Vacuum Pyrolysis. <i>Macromolecules</i> , 2017, 50, 4562-4574.	2.2	30
43	A novel interferometric method for the study of the viscoelastic properties of ultra-thin polymer films determined from nanobubble inflation. <i>Review of Scientific Instruments</i> , 2017, 88, 093901.	0.6	3
44	<i>50th Anniversary Perspective</i>: Challenges in the Dynamics and Kinetics of Glass-Forming Polymers. <i>Macromolecules</i> , 2017, 50, 6333-6361.	2.2	132
45	On the extreme depth dependence of the hardness of PDMS rubber: A problem of false surface detection. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 30-38.	2.4	11
46	“Rubbery Stiffening” and Rupture Behavior of Freely Standing Nanometric Thin PIB Films. <i>Macromolecules</i> , 2017, 50, 9821-9830.	2.2	14
47	Dynamic and temperature dependent response of physical vapor deposited Se in freely standing nanometric thin films. <i>Journal of Chemical Physics</i> , 2016, 144, 184501.	1.2	11
48	Molecular mobility in glassy dispersions. <i>Journal of Chemical Physics</i> , 2016, 144, 204506.	1.2	7
49	Mechanical properties of pentaerythritol tetranitrate (PETN) single crystals from nano-indentation: Depth dependent response at the nano meter scale. <i>Crystal Research and Technology</i> , 2016, 51, 414-427.	0.6	7
50	Physical aging and structural recovery in a colloidal glass subjected to volume-fraction jump conditions. <i>Physical Review E</i> , 2016, 93, 042603.	0.8	22
51	Correlation between Molecular Mobility and Physical Stability in Pharmaceutical Glasses. <i>Molecular Pharmaceutics</i> , 2016, 13, 1267-1277.	2.3	63
52	Structural recovery and physical aging of polymeric glasses. , 2016, , 23-54.		4
53	Mechanical and viscoelastic properties of polymer thin films and surfaces. , 2016, , 205-242.		2
54	Extremely fragile glass-formers? Calorimetric and rheological determinations. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1261-1272.	2.4	11

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55	Viscoelastic properties of ultrathin polycarbonate films by liquid dewetting. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1559-1566.	2.4	12
56	When Ends Meet: Circular DNA Stretches Differently in Elongational Flows. <i>Macromolecules</i> , 2015, 48, 5997-6001.	2.2	66
57	The linear rheological responses of wedge-type polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 899-906.	2.4	16
58	The glass transition of trinitrotoluene (TNT) by flash DSC. <i>Thermochimica Acta</i> , 2015, 620, 36-39.	1.2	12
59	Ultrathin Polymer Films: Rubbery Stiffening, Fragility, and T_g Reduction. <i>Macromolecules</i> , 2015, 48, 6329-6336.	2.2	49
60	Startup shear of a highly entangled polystyrene solution deep into the nonlinear viscoelastic regime. <i>Rheologica Acta</i> , 2015, 54, 771-777.	1.1	16
61	Accumulating evidence for non-diverging time-scales in glass-forming fluids. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 3-13.	1.5	49
62	Torsion and normal force responses of glassy polymers in the sub-yield regime. <i>International Journal of Non-Linear Mechanics</i> , 2015, 68, 37-40.	1.4	2
63	Comparison of the physical aging behavior of a colloidal glass after shear melting and concentration jumps. <i>Physical Review E</i> , 2014, 90, 050301.	0.8	18
64	Dynamics of a thermo-responsive microgel colloid near to the glass transition. <i>Journal of Chemical Physics</i> , 2014, 140, 054903.	1.2	27
65	Substrate Effects on Glass Transition and Free Surface Viscoelasticity of Ultrathin Polystyrene Films. <i>Macromolecules</i> , 2014, 47, 8808-8818.	2.2	35
66	Glass transition temperature of thin polycarbonate films measured by flash differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1462-1468.	2.4	59
67	Elastic modulus and surface tension of a polyurethane rubber in nanometer thick films. <i>Polymer</i> , 2014, 55, 2725-2733.	1.8	34
68	Mechanical spectral hole burning in polymer solutions: Comparison with large amplitude oscillatory shear fingerprinting. <i>Journal of Rheology</i> , 2014, 58, 43-62.	1.3	22
69	The apparent activation energy and dynamic fragility of ancient ambers. <i>Polymer</i> , 2014, 55, 2246-2253.	1.8	22
70	Viscoelastic modeling of nanoindentation experiments: A multicurve method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 633-639.	2.4	20
71	Response to: Sufficiently entangled polymers do show shear strain localization at high enough Weissenberg numbers. <i>Journal of Rheology</i> , 2014, 58, 1071-1082.	1.3	24
72	Mechanical responses of a polymer graphene-sheet nano-sandwich. <i>Polymer</i> , 2014, 55, 4976-4982.	1.8	32

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73	Forced assembly by multilayer coextrusion to create oriented graphene reinforced polymer nanocomposites. <i>Polymer</i> , 2014, 55, 248-257.	1.8	65
74	Melting of pentaerythritol tetranitrate (PETN) nanoconfined in controlled pore glasses (CPG). <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 539-543.	2.0	12
75	The melting behavior of trinitrotoluene nanoconfined in controlled pore glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 533-537.	2.0	11
76	Flow field visualization of entangled polybutadiene solutions under nonlinear viscoelastic flow conditions. <i>Journal of Rheology</i> , 2013, 57, 1411-1428.	1.3	57
77	Superposition of small strains on large: Some counterintuitive results for a concentrated colloidal system. <i>Journal of Rheology</i> , 2013, 57, 1803-1818.	1.3	3
78	Something about amber: Fictive temperature and glass transition temperature of extremely old glasses from copal to Triassic amber. <i>Polymer</i> , 2013, 54, 7041-7047.	1.8	29
79	Comparison of surface mechanical properties among linear and star polystyrenes: Surface softening and stiffening at different temperatures. <i>Polymer</i> , 2013, 54, 5928-5935.	1.8	26
80	High strain rate mechanical properties of a cross-linked epoxy across the glass transition. <i>Polymer</i> , 2013, 54, 7048-7057.	1.8	94
81	Evaluation of heterogeneity measures and their relation to the glass transition. <i>Journal of Chemical Physics</i> , 2013, 138, 12A530.	1.2	12
82	Mechanical and Swelling Behaviors of End-Linked PDMS Rubber and Randomly Cross-Linked Polyisoprene. <i>Macromolecules</i> , 2013, 46, 2015-2022.	2.2	10
83	Using 20-million-year-old amber to test the super-Arrhenius behaviour of glass-forming systems. <i>Nature Communications</i> , 2013, 4, 1783.	5.8	216
84	Viscoelastic and Glass Transition Properties of Ultrathin Polystyrene Films by Dewetting from Liquid Glycerol. <i>Macromolecules</i> , 2013, 46, 2485-2495.	2.2	54
85	A novel temperature-step method to determine the glass transition temperature of ultrathin polymer films by liquid dewetting. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1343-1349.	2.4	40
86	Response to "Comment on "Temperature divergence of the dynamics of a poly(vinyl acetate) glass: Dielectric vs. mechanical behaviors" [J. Chem. Phys. 139, 137101 (2013)]. <i>Journal of Chemical Physics</i> , 2013, 139, 137102.	1.2	19
87	The elasticity of cervical-vaginal secretions is abnormal in polycystic ovary syndrome: Case report of five PCOS women. <i>Indian Journal of Endocrinology and Metabolism</i> , 2012, 16, 1019.	0.2	4
88	Temperature divergence of the dynamics of a poly(vinyl acetate) glass: Dielectric vs. mechanical behaviors. <i>Journal of Chemical Physics</i> , 2012, 136, 154901.	1.2	69
89	Gelation via Ion Exchange in Discotic Suspensions. <i>Physical Review Letters</i> , 2012, 108, 247802.	2.9	11
90	Deformation, yield and fracture of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1663-1663.	2.4	0

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91	Unusual Surface Mechanical Properties of Poly(α -methylstyrene): Surface Softening and Stiffening at Different Temperatures. <i>Macromolecules</i> , 2012, 45, 9697-9706.	2.2	25
92	Exceptional Property Changes in Ultrathin Films of Polycarbonate: Glass Temperature, Rubbery Stiffening, and Flow. <i>Macromolecules</i> , 2012, 45, 2453-2459.	2.2	69
93	Swelling Behavior of Cross-Linked Rubber: Explanation of the Elusive Peak in the Swelling Activity Parameter (Dilational Modulus). <i>Macromolecules</i> , 2012, 45, 2402-2410.	2.2	16
94	Deformation and flow of matter: Interrogating the physics of materials using rheological methods. <i>Journal of Rheology</i> , 2012, 56, 113-158.	1.3	17
95	Physical Aging in Glasses and Composites. , 2012, , 237-309.		12
96	Considering Viscoelastic Micromechanics for the Reinforcement of Graphene Polymer Nanocomposites. <i>ACS Macro Letters</i> , 2012, 1, 388-391.	2.3	50
97	Nanomechanical properties in ultrathin polymer films: Measurement on rectangular versus circular bubbles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 466-476.	2.4	10
98	Comment on "Viscoelastic properties of confined polymer films measured via thermal wrinkling" by E. P. Chan, K. A. Page, S. H. Im, D. L. Patton, R. Huang, and C. M. Stafford, <i>Soft Matter</i> , 2009, 5, 4638-4641. <i>Soft Matter</i> , 2011, 7, 788-790.	1.2	2
99	Determination of the Shear Modulus of Spin-Coated Lipid Multibilayer Films by the Spontaneous Embedment of Submicrometer-Sized Particles. <i>Langmuir</i> , 2011, 27, 6846-6854.	1.6	9
100	Signatures of Structural Recovery in Colloidal Glasses. <i>Physical Review Letters</i> , 2011, 106, 095701.	2.9	53
101	Environmental Effects on the Structural Recovery Responses of an Epoxy Resin after Carbon Dioxide Pressure Jumps: Intrinsic Isopeistics, Asymmetry of Approach, and Memory Effect. <i>Macromolecules</i> , 2011, 44, 3828-3839.	2.2	10
102	Linear Rheological Response of a Series of Densely Branched Brush Polymers. <i>Macromolecules</i> , 2011, 44, 6935-6943.	2.2	184
103	Evidence of surface softening in polymers and their nanocomposites as determined by spontaneous particle embedment. <i>Polymer</i> , 2011, 52, 6134-6145.	1.8	22
104	Application of empirical mode decomposition in the field of polymer physics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 277-290.	2.4	3
105	Evaluation of the Dyre shoving model using dynamic data near the glass temperature. <i>Journal of Chemical Physics</i> , 2011, 134, 124902.	1.2	35
106	A dielectric study of poly(vinyl acetate) using a pulse-probe technique. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 477-484.	2.0	14
107	Physical aging behavior of the normal force and torque in polymer glasses. <i>Mechanics of Time-Dependent Materials</i> , 2010, 14, 347-357.	2.3	8
108	Thermal pressure coefficient of a polyhedral oligomeric silsesquioxane (POSS)-reinforced epoxy resin. <i>Journal of Applied Polymer Science</i> , 2010, 116, 142-146.	1.3	6

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109	The viscoelastic behavior of polymer/oligomer blends. <i>Polymer</i> , 2010, 51, 4899-4906.	1.8	16
110	Unusual elastic behavior of ultrathin polymer films: Confinement-induced/molecular stiffening and surface tension effects. <i>Journal of Chemical Physics</i> , 2010, 132, .	1.2	37
111	Glass Dynamics and Anomalous Aging in a Family of Ionic Liquids above the Glass Transition Temperature. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15742-15752.	1.2	34
112	The Fertile and Infertile Phases of the Menstrual Cycle are Signaled by Cervical-Vaginal Fluid Die Swell Functions. , 2009, 19, 291-297.		6
113	A comparison of three different methods for measuring both normal stress differences of viscoelastic liquids in torsional rheometers. <i>Rheologica Acta</i> , 2009, 48, 191-200.	1.1	22
114	Mechanical Spectral Hole Burning in polymer solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 2047-2062.	2.4	9
115	The stiffening of ultrathin polymer films in the rubbery regime: The relative contributions of membrane stress and surface tension. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 2441-2448.	2.4	28
116	A brief discussion: Thermodynamic and dynamic fragilities, non-divergent dynamics and the Prigogine-Defay ratio. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 663-671.	1.5	26
117	Experimental evidence against the existence of an ideal glass transition. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 672-675.	1.5	24
118	A new pressurizable dilatometer for measuring the time-dependent bulk modulus and pressure-volume-temperature properties of polymeric materials. <i>Review of Scientific Instruments</i> , 2009, 80, 053903.	0.6	20
119	Soft colloidal matter: A phenomenological comparison of the aging and mechanical responses with those of molecular glasses. <i>Journal of Rheology</i> , 2009, 53, 489-516.	1.3	54
120	A novel nanobubble inflation method for determining the viscoelastic properties of ultrathin polymer films. <i>Scanning</i> , 2008, 30, 184-196.	0.7	19
121	Creep behavior of ultrathin polymer films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1952-1965.	2.4	104
122	Anomalous melting behavior of cyclohexane and cyclooctane in poly(dimethyl siloxane) precursors and model networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 2779-2791.	2.4	7
123	Viscoelastic properties and residual stresses in polyhedral oligomeric silsesquioxane-reinforced epoxy matrices. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 2719-2732.	2.4	31
124	Diverging views on glass transition. <i>Nature Physics</i> , 2008, 4, 673-673.	6.5	105
125	The measurement of mechanical properties of glycerol, m-toluidine, and sucrose benzoate under consideration of corrected rheometer compliance: An in-depth study and review. <i>Journal of Chemical Physics</i> , 2008, 129, 074502.	1.2	79
126	Novel nanobubble inflation method for determining the viscoelastic properties of ultrathin polymer films. <i>Review of Scientific Instruments</i> , 2007, 78, 013901.	0.6	46

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127	Glassy states: Concentration glasses and temperature glasses compared. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 3820-3828.	1.5	24
128	Nonlinear viscoelastic properties of branched polyethylene in reversing flows. <i>Journal of Rheology</i> , 2007, 51, 341-365.	1.3	18
129	Nonlinear viscoelastic response of dendritic (arborescent) polyisobutylenes in single- and reversing double-step shearing flows. <i>Journal of Rheology</i> , 2007, 51, 1143-1169.	1.3	8
130	Mechanical hole burning spectroscopy in an SIS triblock copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 3277-3284.	2.4	6
131	Comment on "The properties of free polymer surfaces and their influence on the glass transition temperature of thin polystyrene films" by J.S. Sharp, J.H. Teichroeb and J.A. Forrest. <i>European Physical Journal E</i> , 2007, 22, 281-286.	0.7	21
132	Confinement. Summary and perspectives on dynamics in confinement. <i>European Physical Journal: Special Topics</i> , 2007, 141, 291-301.	1.2	49
133	Experimental studies on cryogenic recycling of printed circuit board. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 34, 657-666.	1.5	29
134	Instability of entangled polymers in cone and plate rheometry. <i>Rheologica Acta</i> , 2007, 46, 877-888.	1.1	55
135	<i>Polymer Networks and Gels</i> , 2007, , 497-523.		27
136	The effect of the shear-thickening transition of model colloidal spheres on the sign of N1 and on the radial pressure profile in torsional shear flows. <i>Journal of Rheology</i> , 2006, 50, 293-311.	1.3	36
137	Dynamic shear modulus of glycerol: Corrections due to instrument compliance. <i>Journal of Chemical Physics</i> , 2006, 125, 214507.	1.2	81
138	Cure-induced and thermal stresses in a constrained epoxy resin. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 585-591.	3.8	42
139	Correlation between dynamic fragility and glass transition temperature for different classes of glass forming liquids. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 2977-2985.	1.5	313
140	Relaxational features of supercooled and glassy m-toluidine. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4729-4734.	1.5	17
141	Errors induced in quartz crystal mass uptake measurements by nongravimetric effects: Considerations beyond the EerNisse caution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 801-814.	2.4	15
142	Melting of solvents nanoconfined by polymers and networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 3475-3486.	2.4	31
143	Calorimetric glass transition temperature and absolute heat capacity of polystyrene ultrathin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 3518-3527.	2.4	108
144	Mechanical response of a simple molecular glass former in the glass transition region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 432, 299-302.	2.6	3

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145	Commentary on rheology of polymers in narrow gaps. <i>European Physical Journal E</i> , 2006, 19, 101-108.	0.7	16
146	Dramatic stiffening of ultrathin polymer films in the rubbery regime. <i>European Physical Journal E</i> , 2006, 20, 143-150.	0.7	70
147	Mechanical hole-burning spectroscopy: Demonstration of hole burning in the terminal relaxation regime. <i>Physical Review B</i> , 2006, 73, .	1.1	15
148	Chemical structure–normal force relationships in polymer glasses. <i>Polymer</i> , 2005, 46, 5211-5217.	1.8	13
149	Chain length dependence of the thermodynamic properties of linear and cyclic alkanes and polymers. <i>Journal of Chemical Physics</i> , 2005, 122, 084907.	1.2	66
150	Instrumented thick-walled tube method for measuring thermal pressure in fluids and isotropic stresses in thermosetting resins. <i>Review of Scientific Instruments</i> , 2005, 76, 063904.	0.6	5
151	Mechanical Hole Burning Spectroscopy: Evidence for Heterogeneous Dynamics in Polymer Systems. <i>Physical Review Letters</i> , 2005, 94, 157801.	2.9	27
152	Nanosphere Embedding into Polymer Surfaces: A Viscoelastic Contact Mechanics Analysis. <i>Physical Review Letters</i> , 2005, 94, 076103.	2.9	64
153	Rheological Measurements of the Thermoviscoelastic Response of Ultrathin Polymer Films. <i>Science</i> , 2005, 307, 1760-1763.	6.0	266
154	Shear stress relaxation and physical aging study on simple glass-forming materials. <i>Journal of Chemical Physics</i> , 2005, 123, 174507.	1.2	70
155	Slow dynamics of supercooled m-toluidine investigated by mechanical spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 122, 114501.	1.2	16
156	Microscopic Origins of the Normal Force Responses of Glassy Polymers in the Subyield Range of Deformation. <i>Macromolecules</i> , 2005, 38, 1760-1766.	2.2	7
157	Effects of confinement on material behaviour at the nanometre size scale. <i>Journal of Physics Condensed Matter</i> , 2005, 17, R461-R524.	0.7	981
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