

Simone Capaccioli

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.

180
papers

4,452
citations

36
h-index

57
g-index

196
ext. papers

4,698
ext. citations

3.6
avg, IF

5.61
L-index

#	Paper	IF	Citations
180	Reconsidering the relation of the JG β -relaxation to the β -relaxation and surface diffusion in ethylcyclohexane. <i>Journal of Non-Crystalline Solids: X</i> , 2021 , 11-12, 100070	2.5	
179	Evidence of negative thermal expansion in supercooled tantalum. <i>Journal of Non-Crystalline Solids</i> , 2021 , 577, 121308	3.9	
178	The Dynamics of Hydrated Proteins Are the Same as Those of Highly Asymmetric Mixtures of Two Glass-Formers. <i>ACS Omega</i> , 2021 , 6, 340-347	3.9	4
177	Experimental evidence of mosaic structure in strongly supercooled molecular liquids. <i>Nature Communications</i> , 2021 , 12, 1867	17.4	9
176	Specific Interactions and Environment Flexibility Tune Protein Stability under Extreme Crowding. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 6103-6111	3.4	1
175	Molecular dynamic in binary mixtures and polymer blends with large difference in glass transition temperatures of the two components: A critical review. <i>Journal of Non-Crystalline Solids</i> , 2021 , 558, 119573	3.9	12
174	Do we understand the solid-like elastic properties of confined liquids?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
173	Tuning-fork-based piezoresponse force microscopy. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
172	Lateral resolution of electrostatic force microscopy for mapping of dielectric interfaces in ambient conditions. <i>Nanotechnology</i> , 2020 , 31, 335710	3.4	3
171	Clarifying the nature of the Johari-Goldstein β -relaxation and emphasising its fundamental importance. <i>Philosophical Magazine</i> , 2020 , 100, 2596-2613	1.6	12
170	Coincident Correlation between Vibrational Dynamics and Primary Relaxation of Polymers with Strong or Weak Johari-Goldstein Relaxation. <i>Polymers</i> , 2020 , 12,	4.5	2
169	Piezoelectric displacement mapping of compliant surfaces by constant-excitation frequency-modulation piezoresponse force microscopy. <i>Nanotechnology</i> , 2020 , 31, 075707	3.4	1
168	Non-local cooperative atomic motions that govern dissipation in amorphous tantalum unveiled by dynamical mechanical spectroscopy. <i>Acta Materialia</i> , 2020 , 201, 1-6	8.4	0
167	Isochronal Superposition of the Structural β -Relaxation and Invariance of Its Relation to the β -Relaxation to Changes of Thermodynamic Conditions in Methyl -Toluolate. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 6690-6697	3.4	3
166	Molecular dynamics in the supercooled liquid and glassy states of bezafibrate and binary mixture of fenofibrate. <i>Journal of Non-Crystalline Solids</i> , 2020 , 550, 120407	3.9	1
165	Including Plastic Strain Into the Discrete Preisach-Mayergoyz Space: Application to Granular Media. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 10983-10998	3.6	
164	A microscopic look at the Johari-Goldstein relaxation in a hydrogen-bonded glass-former. <i>Scientific Reports</i> , 2019 , 9, 14319	4.9	10

163	Segmental β Relaxation for the First Step and Sub-Rouse Modes for the Second Step in Enthalpy Recovery in the Glassy State of Polystyrene. <i>Macromolecules</i> , 2019 , 52, 1440-1446	5.5	11
162	Uncovering a novel transition in the dynamics of proteins in the dry state. <i>Journal of Molecular Liquids</i> , 2019 , 286, 110810	6	4
161	How to align a nematic glassy phase β Different conditions β Different results. <i>Journal of Molecular Liquids</i> , 2019 , 280, 314-318	6	6
160	The JG β Relaxation in water and impact on the dynamics of aqueous mixtures and hydrated biomolecules. <i>Journal of Chemical Physics</i> , 2019 , 151, 034504	3.9	12
159	Mixtures of m-fluoroaniline with apolar aromatic molecules: Phase behaviour, suppression of H-bonded clusters, and local H-bond relaxation dynamics. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111998	6	5
158	In silico broadband mechanical spectroscopy of amorphous tantala. <i>Physical Review Research</i> , 2019 , 1,	3.9	6
157	Strain-accumulation mechanisms in sands under isotropic stress. <i>Journal of Geophysics and Engineering</i> , 2019 , 16, 1139-1150	1.3	0
156	A semi-empirical approach to model pressure dependence of elastic moduli in granular media accounting for variations of coordination-number and Poisson-ratio. <i>Geophysical Prospecting</i> , 2019 , 67, 872-887	1.9	1
155	High-pressure cell for simultaneous dielectric and neutron spectroscopy. <i>Review of Scientific Instruments</i> , 2018 , 89, 023904	1.7	9
154	Contrasting two different interpretations of the dynamics in binary glass forming mixtures. <i>Journal of Chemical Physics</i> , 2018 , 148, 054504	3.9	22
153	Relations of pressure and temperature dependences of the Johari-Goldstein β Relaxation to the β Relaxation: Amorphous polymers 2018 ,		2
152	Including plastic behavior in the Preisach-Mayergoyz space to find static and dynamic bulk moduli in granular media 2018 ,		2
151	Isochronal superposition and density scaling of the β -relaxation from pico- to millisecond. <i>Journal of Chemical Physics</i> , 2018 , 149, 214503	3.9	6
150	Direct Experimental Characterization of Contributions from Self-Motion of Hydrogen and from Interatomic Motion of Heavy Atoms to Protein Anharmonicity. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9956-9961	3.4	4
149	Dynamics of hydrated proteins and bio-protectants: Caged dynamics, β Relaxation, and β Relaxation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 3553-3563	4	19
148	Quantitative explanation of the enhancement of surface mobility of the metallic glass Pd40Cu30Ni10P20 by the Coupling Model. <i>Journal of Non-Crystalline Solids</i> , 2017 , 463, 85-89	3.9	10
147	Direct Evidence of Relaxation Anisotropy Resolved by High Pressure in a Rigid and Planar Glass Former. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4341-4346	6.4	23
146	Critical structural fluctuations of proteins upon thermal unfolding challenge the Lindemann criterion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9361-9366	11.5	26

145	Electrostatic Force Microscopy Techniques for Interphase Characterization 2017 , 867-878		
144	Thermodynamic Scaling of the Dynamics of a Strongly Hydrogen-Bonded Glass-Former. <i>Scientific Reports</i> , 2017 , 7, 1346	4.9	32
143	Complex Dynamics of a Fluorinated Vinylidene Cyanide Copolymer Highlighted by Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , 2016 , 49, 5104-5114	5.5	10
142	Sub-Rouse modes in polymer thin films: Coupling to density and responding to physical aging 2016 ,		4
141	Recent developments in the experimental investigations of relaxations in pharmaceuticals by dielectric techniques at ambient and elevated pressure. <i>Advanced Drug Delivery Reviews</i> , 2016 , 100, 158-825	18.5	56
140	A perspective on experimental findings and theoretical explanations of novel dynamics at free surface and in freestanding thin films of polystyrene. <i>Philosophical Magazine</i> , 2016 , 96, 854-869	1.6	9
139	Broadband local dielectric spectroscopy. <i>Applied Physics Letters</i> , 2016 , 108, 182906	3.4	8
138	Coupling of caged molecule dynamics to Johari-Goldstein β -relaxation in metallic glasses. <i>Journal of Applied Physics</i> , 2016 , 119, 024902	2.5	14
137	Glass formability in medium-sized molecular systems/pharmaceuticals. I. Thermodynamics vs. kinetics. <i>Journal of Chemical Physics</i> , 2016 , 144, 174502	3.9	25
136	Thermodynamic scaling of vibrational dynamics and relaxation. <i>Journal of Chemical Physics</i> , 2016 , 145, 234904	3.9	29
135	Double Primary Relaxation in a Highly Anisotropic Orientational Glass-Former with Low-Dimensional Disorder. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 10614-10621	3.8	17
134	Surface Diffusion of Polymer Glasses Redux. <i>Macromolecules</i> , 2016 , 49, 7605-7607	5.5	
133	Coupling of Caged Molecule Dynamics to JG β -Relaxation: I. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 8800-8	3.4	45
132	Does the Johari-Goldstein β -Relaxation Exist in Polypropylene Glycols?. <i>Macromolecules</i> , 2015 , 48, 4151-4157	5.7	8
131	Reconsidering the dynamics in mixtures of methyltetrahydrofuran with tristyrene and polystyrene. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 5677-84	3.4	10
130	Coupling of Caged Molecule Dynamics to JG β -Relaxation II: Polymers. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12502-18	3.4	41
129	Coupling of Caged Molecule Dynamics to JG β -Relaxation III: van der Waals Glasses. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12519-25	3.4	37
128	Secondary relaxation dynamics in rigid glass-forming molecular liquids with related structures. <i>Journal of Chemical Physics</i> , 2015 , 143, 104505	3.9	11

127	Vibrational dynamics changes of protein hydration water across the dynamic transition. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 465-471	3.9	4
126	Revealing the rich dynamics of glass-forming systems by modification of composition and change of thermodynamic conditions. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 98-105	3.9	29
125	Extended model for the interaction of dielectric thin films with an electrostatic force microscope probe. <i>Journal of Applied Physics</i> , 2015 , 118, 224104	2.5	10
124	Irreversibly Adsorbed Layer in Supported Ultrathin Polymer Film Investigated by Local Dielectric Spectroscopy. <i>Soft and Biological Matter</i> , 2015 , 161-185	0.8	0
123	Study of the cold crystallization of poly(ethylene terephthalate) at the air interface by ATR spectroscopy. <i>European Polymer Journal</i> , 2014 , 60, 286-296	5.2	4
122	Temperature dependence of the structural relaxation time in equilibrium below the nominal T(g): results from freestanding polymer films. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 5608-14	3.4	13
121	Origins of the two simultaneous mechanisms causing glass transition temperature reductions in high molecular weight freestanding polymer films. <i>Journal of Chemical Physics</i> , 2014 , 140, 074903	3.9	14
120	An explanation of the differences in diffusivity of the components of the metallic glass Pd43Cu27Ni10P20. <i>Journal of Chemical Physics</i> , 2013 , 138, 094504	3.9	21
119	Comment on A Generalized Rouse Incoherent Scattering Function for Chain Dynamics of Unentangled Polymers in Dynamically Asymmetric Blends \square <i>Macromolecules</i> , 2013 , 46, 8054-8055	5.5	2
118	Change of caged dynamics at T(g) in hydrated proteins: trend of mean squared displacements after correcting for the methyl-group rotation contribution. <i>Journal of Chemical Physics</i> , 2013 , 138, 235102	3.9	28
117	Nature of the water specific relaxation in hydrated proteins and aqueous mixtures. <i>Chemical Physics</i> , 2013 , 424, 37-44	2.3	26
116	The Viscoelastic Behavior of Rubber and Dynamics of Blends 2013 , 193-284		3
115	Response to "Comment on 'Unified explanation of the anomalous dynamic properties of highly asymmetric polymer blends' " [J. Chem. Phys. 138, 197101 (2013)]. <i>Journal of Chemical Physics</i> , 2013 , 138, 197102	3.9	3
114	Unified explanation of the anomalous dynamic properties of highly asymmetric polymer blends. <i>Journal of Chemical Physics</i> , 2013 , 138, 054903	3.9	31
113	Many-Body Nature of Relaxation Processes in Glass-Forming Systems. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 735-43	6.4	149
112	Interfacial and Annealing Effects on Primary β Relaxation of Ultrathin Polymer Films Investigated at Nanoscale. <i>Macromolecules</i> , 2012 , 45, 2138-2144	5.5	44
111	Evidence of coexistence of change of caged dynamics at T(g) and the dynamic transition at T(d) in solvated proteins. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 1745-57	3.4	56
110	Thermodynamic scaling of β relaxation time and viscosity stems from the Johari-Goldstein β relaxation or the primitive relaxation of the coupling model. <i>Journal of Chemical Physics</i> , 2012 , 137, 034511	3.9	77

109	Mechanism of fast surface self-diffusion of an organic glass. <i>Physical Review E</i> , 2012 , 86, 051503	2.4	48
108	Emergence of glassy-like dynamics in an orientationally ordered phase. <i>Physical Review B</i> , 2012 , 85,	3.3	39
107	The role of primitive relaxation in the dynamics of aqueous mixtures, nano-confined water and hydrated proteins. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 641-654	3.9	36
106	The Johari-Goldstein β -relaxation of glass-forming binary mixtures. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 251-257	3.9	19
105	Resolving the controversy on the glass transition temperature of water?. <i>Journal of Chemical Physics</i> , 2011 , 135, 104504	3.9	79
104	Effect of Confinement on Structural Relaxation in Ultrathin Polymer Films Investigated by Local Dielectric Spectroscopy. <i>Macromolecules</i> , 2011 , 44, 6588-6593	5.5	36
103	Temperature and pressure dependence of secondary process in an epoxy system. <i>Journal of Chemical Physics</i> , 2011 , 134, 044510	3.9	9
102	Resolving the ambiguity of the dynamics of water and clarifying its role in hydrated proteins. <i>Philosophical Magazine</i> , 2011 , 91, 1809-1835	1.6	48
101	Alpha-relaxation dynamics of orientationally disordered mixed crystals composed of Cl-adamantane and CN-adamantane. <i>Journal of Chemical Physics</i> , 2010 , 132, 164516	3.9	19
100	Local dielectric spectroscopy of nanocomposite materials interfaces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, C4D11-C4D17	1.3	35
99	Correlation of nonexponentiality with dynamic heterogeneity from four-point dynamic susceptibility $\chi''(t)$ and its approximation $\tilde{\chi}(t)$. <i>Journal of Chemical Physics</i> , 2010 , 133, 124507	3.9	37
98	Recent progress in understanding relaxation in complex systems. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 535-541	3.9	16
97	Dynamics of orientationally disordered mixed crystal sharing Cl-adamantane and CN-adamantane. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 621-624	3.9	1
96	Dynamic Crossover of Water Relaxation in Aqueous Mixtures: Effect of Pressure. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1170-1175	6.4	19
95	Resolution of problems in soft matter dynamics by combining calorimetry and other spectroscopies. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 99, 123-138	4.1	17
94	Enhanced crystallization kinetics in poly(ethylene terephthalate) thin films evidenced by infrared spectroscopy. <i>Polymer</i> , 2010 , 51, 3660-3668	3.9	21
93	Evidences of a Common Scaling Under Cooling and Compression for Slow and Fast Relaxations: Relevance of Local Modes for the Glass Transition. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2010 , 39-52	0.1	
92	The Nature of Glass: Somethings Are Clear. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2010 , 3-30	0.1	1

91	Electrostatic force microscopy and potentiometry of realistic nanostructured systems. <i>Journal of Applied Physics</i> , 2009 , 105, 054301	2.5	11
90	Glass transitions in aqueous solutions of protein (bovine serum albumin). <i>Journal of Physical Chemistry B</i> , 2009 , 113, 14448-56	3.4	98
89	Does the entropy and volume dependence of the structural β -relaxation originate from the Johari-Goldstein β -relaxation?. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 705-711	3.9	24
88	Relation between configurational entropy and relaxation dynamics of glass-forming systems under volume and temperature reduction. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 753-758	3.9	8
87	The glass transition and dielectric secondary relaxation of fructose-water mixtures. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 15470-7	3.4	48
86	Dynamically correlated regions and configurational entropy in supercooled liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10652-8	3.4	115
85	Recent advances in fundamental understanding of glass transition. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5085-5088	3.9	19
84	Interdependence of primary and Johari-Goldstein secondary relaxations in glass-forming systems. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4470-3	3.4	100
83	Is the Johari-Goldstein β -relaxation universal?. <i>Philosophical Magazine</i> , 2008 , 88, 4007-4013	1.6	29
82	The protein "glass" transition and the role of the solvent. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3826-32	3.4	75
81	Critical issues of current research on the dynamics leading to glass transition. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16035-49	3.4	72
80	Relationship between structural and secondary relaxation in glass formers: Ratio between glass transition temperature and activation energy. <i>Philosophical Magazine</i> , 2008 , 88, 4063-4069	1.6	10
79	The component dynamics of miscible binary mixtures of glass formers: New features. <i>Philosophical Magazine</i> , 2008 , 88, 4047-4055	1.6	8
78	Impact of the application of pressure on the fundamental understanding of glass transition. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 244101	1.8	20
77	Guides to solving the glass transition problem. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 244125	1.8	20
76	Universal Secondary Relaxation of Water in Aqueous Mixtures, in Nano-Confinement, and in Hydrated Proteins. <i>AIP Conference Proceedings</i> , 2008 ,	0	3
75	The Challenging Problem of Glass Transition. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 709-714	3.8	11
74	Molecular Dynamics of Atactic Poly(propylene) Investigated by Broadband Dielectric Spectroscopy. <i>Macromolecules</i> , 2007 , 40, 1786-1788	5.5	21

73	Excess wing and Johari-Goldstein relaxation in binary mixtures of glass formers. <i>Philosophical Magazine</i> , 2007 , 87, 643-650	1.6	3
72	On the relevance of the coupling model to experiments. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 205114	1.8	30
71	The Johari-Goldstein beta-relaxation of water. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8197-209	3.4	130
70	Investigation of structural relaxation and surface modification of ultrathin films of poly(ethylene terephthalate). <i>European Physical Journal: Special Topics</i> , 2007 , 141, 193-198	2.3	5
69	New experimental evidence about secondary processes in phenylphthalein-dimethylether and 1,1'-bis(p-methoxyphenyl)cyclohexane. <i>Journal of Chemical Physics</i> , 2007 , 127, 114507	3.9	10
68	Relaxation dynamics in tert-butylpyridine/tristyrene mixture investigated by broadband dielectric spectroscopy. <i>Journal of Chemical Physics</i> , 2007 , 127, 174502	3.9	26
67	Effect of chain length on fragility and thermodynamic scaling of the local segmental dynamics in poly(methylmethacrylate). <i>Journal of Chemical Physics</i> , 2007 , 126, 184903	3.9	45
66	Correlation of structural and Johari-Goldstein relaxations in systems vitrifying along isobaric and isothermal paths. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 205133	1.8	27
65	Effect of pressure on relaxation dynamics at different time scales in supercooled systems. <i>Philosophical Magazine</i> , 2007 , 87, 681-689	1.6	8
64	Effect of temperature and pressure on the structural (β) and the true Johari-Goldstein (β') relaxation in binary mixtures. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4273-4277	3.9	15
63	Applications of the rheo-dielectric technique. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4267-4272	3.9	20
62	Dynamics of Laponite solutions: An interpretation within the coupling model scheme. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 3885-3890	3.9	5
61	Effect of thermodynamic history on secondary relaxation in the glassy state. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4313-4317	3.9	13
60	Secondary dynamics in glass formers: Relation with the structural dynamics and the glass transition. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4278-4282	3.9	31
59	Relation between the dispersion of β -relaxation and the time scale of β -relaxation at the glass transition. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 3984-3988	3.9	26
58	Dispersion of the Structural Relaxation and the Vitrification of Liquids. <i>Advances in Chemical Physics</i> , 2006 , 497-593		34
57	Effect of thermodynamic history on secondary relaxation in glassy phenolphthalein-dimethyl-ether. <i>Physical Review B</i> , 2006 , 73,	3.3	14
56	Dielectric secondary relaxations in polypropylene glycols. <i>Journal of Chemical Physics</i> , 2006 , 125, 44904	3.9	32

55	What can we learn by squeezing a liquid?. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11491-5	3.4	22
54	Comment on "A Molecular Dynamics Simulation Study of Relaxation Processes in the Dynamical Fast Component of Miscible Polymer Blends" <i>Macromolecules</i> , 2006 , 39, 8543-8543	5.5	14
53	Secondary dielectric relaxation in decahydroisoquinoline-cyclohexane mixture. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4685-4689	3.9	10
52	Genuine Johari-Goldstein β relaxations in glass-forming binary mixtures. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4643-4648	3.9	43
51	Polarization fluctuations near the glass transition. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4920-4927	3.9	5
50	Reply to "Comment on "Correlation between configurational entropy and structural relaxation time in glass-forming liquids" <i>Physical Review B</i> , 2005 , 71,	3.3	5
49	Relation between the alpha-relaxation and Johari-Goldstein beta-relaxation of a component in binary miscible mixtures of glass-formers. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9727-35	3.4	63
48	Effect of temperature and volume on structural relaxation time: Interpretation in terms of decrease of configurational entropy. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 2611-2615	3.9	7
47	Identifying the genuine Johari-Goldstein β relaxation by cooling, compressing, and aging small molecular glass-formers. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 2643-2651	3.9	57
46	Do theories of the glass transition, in which the structural relaxation time does not define the dispersion of the structural relaxation, need revision?. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17356-60	3.4	200
45	Emergence of a new feature in the high pressure-high temperature relaxation spectrum of tri-propylene glycol. <i>Journal of Chemical Physics</i> , 2005 , 122, 061102	3.9	12
44	Two secondary modes in decahydroisoquinoline: which one is the true Johari Goldstein process?. <i>Journal of Chemical Physics</i> , 2005 , 122, 234506	3.9	43
43	Dynamics of supercooled and glassy dipropylene glycol dibenzoate as functions of temperature and aging: Interpretation within the coupling model framework. <i>Journal of Chemical Physics</i> , 2004 , 120, 4808-15	3.9	78
42	Adam-Gibbs model for the supercooled dynamics in the ortho-terphenyl ortho-phenylphenol mixture. <i>Journal of Chemical Physics</i> , 2004 , 120, 10640-6	3.9	50
41	Molecular dynamics study of the thermal and the density effects on the local and the large-scale motion of polymer melts: scaling properties and dielectric relaxation. <i>Journal of Chemical Physics</i> , 2004 , 120, 437-53	3.9	36
40	Inter-chain and intra-chain hopping transport in conducting polymers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 148-151		7
39	Effect of the isobaric and isothermal reductions in excess and configurational entropies on glass-forming dynamics. <i>Philosophical Magazine</i> , 2004 , 84, 1513-1519	1.6	2
38	Pressure and temperature dependence of structural relaxation dynamics in polymers: a thermodynamic interpretation. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 6597-6608	1.8	23

37	Relation between the activation energy of the Johari-Goldstein beta relaxation and T(g) of glass formers. <i>Physical Review E</i> , 2004 , 69, 031501	2.4	198
36	Changes of the Primary and Secondary Relaxation of Sorbitol in Mixtures with Glycerol. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 11118-11123	3.4	25
35	Broad Band Dielectric Analysis Of Bituminous Concrete. <i>Materials Research Innovations</i> , 2004 , 8, 36-40	1.9	5
34	Correlation between configurational entropy and structural relaxation time in glass-forming liquids. <i>Physical Review B</i> , 2003 , 67,	3.3	58
33	Advances in understanding the relationship between rock wettability and high-frequency dielectric response. <i>Journal of Petroleum Science and Engineering</i> , 2002 , 33, 87-99	4.4	13
32	Relaxation processes in an epoxy resin studied by time-resolved optical Kerr effect. <i>Physical Review E</i> , 2002 , 66, 011502	2.4	9
31	Relation between structural relaxation time and configurational entropy: A test of the Adam-Gibbs model on epoxy resins. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002 , 82, 339-346		10
30	Pressure and temperature dependences of the dynamics of glass formers studied by broad-band dielectric spectroscopy. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002 , 82, 651-662		12
29	Structural relaxation process in glass-forming liquids: A comparison between the optical Kerr effect and dielectric spectroscopy. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002 , 82, 553-560		3
28	Two crossover regions in the dynamics of glass forming epoxy resins. <i>Journal of Chemical Physics</i> , 2002 , 117, 2435-2448	3.9	101
27	Temperature and pressure behavior of the structural relaxation time in glass formers. <i>Journal of Non-Crystalline Solids</i> , 2002 , 307-310, 264-269	3.9	9
26	Influence of the end groups on dynamics of propylene glycol oligomers studied by wideband dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2002 , 307-310, 238-245	3.9	13
25	Electrical Measurements in the 100 Hz to 10 GHz Frequency Range for Efficient Rock Wettability Determination. <i>SPE Journal</i> , 2001 , 6, 80-88	3.1	17
24	Influence of Molecular Characteristics on Dielectric Relaxation of Propylene Glycol Oligomers. <i>Macromolecular Symposia</i> , 2001 , 169, 147-156	0.8	
23	Dielectric analysis of the linear polymerization of an epoxy resin. <i>Polymer International</i> , 2001 , 50, 545-553	3.3	32
22	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2001 , 8, 454-460	2.3	11
21	Glass transition of an epoxy resin. A wideband dielectric investigation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2001 , 8, 373-376	2.3	8
20	Influence of temperature and pressure on the dynamics of glass formers explored by dielectric spectroscopy. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2001 , 8, 395-400	2.3	6

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3	Relation between structural relaxation time and configurational entropy: A test of the Adam-Gibbs model on epoxy resins		2
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