

# Simone Capaccioli

## List of Publications by Citations

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180  
papers

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36  
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57  
g-index

196  
ext. papers

4,698  
ext. citations

3.6  
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5.61  
L-index

#	Paper	IF	Citations
180	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> , <b>2005</b> , 109, 17356-60	3.4	200
179	Relation between the activation energy of the Johari-Goldstein beta relaxation and T(g) of glass formers. <i>Physical Review E</i> , <b>2004</b> , 69, 031501	2.4	198
178	Many-Body Nature of Relaxation Processes in Glass-Forming Systems. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 735-43	6.4	149
177	The Johari-Goldstein beta-relaxation of water. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 8197-209	3.4	130
176	Dynamically correlated regions and configurational entropy in supercooled liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 10652-8	3.4	115
175	Two crossover regions in the dynamics of glass forming epoxy resins. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 2435-2448	3.9	101
174	Interdependence of primary and Johari-Goldstein secondary relaxations in glass-forming systems. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 4470-3	3.4	100
173	Glass transitions in aqueous solutions of protein (bovine serum albumin). <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 14448-56	3.4	98
172	Dielectric response analysis of a conducting polymer dominated by the hopping charge transport. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 5595-5617	1.8	90
171	Resolving the controversy on the glass transition temperature of water?. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 104504	3.9	79
170	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> , <b>2004</b> , 120, 4808-15	3.9	78
169	Thermodynamic scaling of $\beta$ -relaxation time and viscosity stems from the Johari-Goldstein $\beta$ -relaxation or the primitive relaxation of the coupling model. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 034511	3.9	77
168	The protein "glass" transition and the role of the solvent. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 3826-32	3.2	75
167	Pressure dependence of structural relaxation time in terms of the Adam-Gibbs model. <i>Physical Review E</i> , <b>2001</b> , 63, 031207	2.4	74
166	Critical issues of current research on the dynamics leading to glass transition. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 16035-49	3.4	72
165	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> , <b>2005</b> , 109, 9727-35	3.4	63
164	Changes in the dynamics of supercooled systems revealed by dielectric spectroscopy. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 9343-9351	3.9	61

163	Correlation between configurational entropy and structural relaxation time in glass-forming liquids. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	58
162	Identifying the genuine Johari-Goldstein $\beta$ relaxation by cooling, compressing, and aging small molecular glass-formers. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 2643-2651	3.9	57
161	Recent developments in the experimental investigations of relaxations in pharmaceuticals by dielectric techniques at ambient and elevated pressure. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 100, 158-182	18.5	56
160	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> , <b>2012</b> , 116, 1745-57	3.4	56
159	Adam-Gibbs model for the supercooled dynamics in the ortho-terphenyl ortho-phenylphenol mixture. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 10640-6	3.9	50
158	Resolving the ambiguity of the dynamics of water and clarifying its role in hydrated proteins. <i>Philosophical Magazine</i> , <b>2011</b> , 91, 1809-1835	1.6	48
157	Mechanism of fast surface self-diffusion of an organic glass. <i>Physical Review E</i> , <b>2012</b> , 86, 051503	2.4	48
156	The glass transition and dielectric secondary relaxation of fructose-water mixtures. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 15470-7	3.4	48
155	Coupling of Caged Molecule Dynamics to JG $\beta$ Relaxation: I. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 8800-8	3.4	45
154	Effect of chain length on fragility and thermodynamic scaling of the local segmental dynamics in poly(methylmethacrylate). <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 184903	3.9	45
153	Interfacial and Annealing Effects on Primary $\beta$ Relaxation of Ultrathin Polymer Films Investigated at Nanoscale. <i>Macromolecules</i> , <b>2012</b> , 45, 2138-2144	5.5	44
152	Genuine Johari-Goldstein $\beta$ relaxations in glass-forming binary mixtures. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 4643-4648	3.9	43
151	Two secondary modes in decahydroisoquinoline: which one is the true Johari Goldstein process?. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 234506	3.9	43
150	Coupling of Caged Molecule Dynamics to JG $\beta$ Relaxation II: Polymers. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 12502-18	3.4	41
149	Effect of pressure on the dynamics of glass formers. <i>Physical Review E</i> , <b>2001</b> , 64, 041504	2.4	41
148	Emergence of glassy-like dynamics in an orientationally ordered phase. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	39
147	Coupling of Caged Molecule Dynamics to JG $\beta$ Relaxation III: van der Waals Glasses. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 12519-25	3.4	37
146	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> , <b>2010</b> , 133, 124507	3.9	37

145	Dielectric behaviour versus temperature of a monoepoxide. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 6199-6216	1.8	37
144	The role of primitive relaxation in the dynamics of aqueous mixtures, nano-confined water and hydrated proteins. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 641-654	3.9	36
143	Effect of Confinement on Structural Relaxation in Ultrathin Polymer Films Investigated by Local Dielectric Spectroscopy. <i>Macromolecules</i> , <b>2011</b> , 44, 6588-6593	5.5	36
142	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> , <b>2004</b> , 120, 437-53	3.9	36
141	Local dielectric spectroscopy of nanocomposite materials interfaces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2010</b> , 28, C4D11-C4D17	1.3	35
140	Dispersion of the Structural Relaxation and the Vitrification of Liquids. <i>Advances in Chemical Physics</i> , <b>2006</b> , 497-593		34
139	Thermodynamic Scaling of the Dynamics of a Strongly Hydrogen-Bonded Glass-Former. <i>Scientific Reports</i> , <b>2017</b> , 7, 1346	4.9	32
138	Dielectric secondary relaxations in polypropylene glycols. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 44904	3.9	32
137	Dielectric analysis of the linear polymerization of an epoxy resin. <i>Polymer International</i> , <b>2001</b> , 50, 545-553	3.3	32
136	Unified explanation of the anomalous dynamic properties of highly asymmetric polymer blends. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 054903	3.9	31
135	Secondary dynamics in glass formers: Relation with the structural dynamics and the glass transition. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 4278-4282	3.9	31
134	Check of the temperature- and pressure-dependent Cohen-Stein equation. <i>Chemical Physics Letters</i> , <b>2000</b> , 320, 113-117	2.5	31
133	On the relevance of the coupling model to experiments. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 205114	1.8	30
132	Revealing the rich dynamics of glass-forming systems by modification of composition and change of thermodynamic conditions. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 407, 98-105	3.9	29
131	Is the Johari-Goldstein Relaxation universal?. <i>Philosophical Magazine</i> , <b>2008</b> , 88, 4007-4013	1.6	29
130	Thermodynamic scaling of vibrational dynamics and relaxation. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 234904	3.9	29
129	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> , <b>2013</b> , 138, 235102	3.9	28
128	Correlation of structural and Johari-Goldstein relaxations in systems vitrifying along isobaric and isothermal paths. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 205133	1.8	27

127	Nature of the water specific relaxation in hydrated proteins and aqueous mixtures. <i>Chemical Physics</i> , <b>2013</b> , 424, 37-44	2.3	26
126	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> , <b>2017</b> , 114, 9361-9366	11.5	26
125	Relaxation dynamics in tert-butylpyridine/tristyrene mixture investigated by broadband dielectric spectroscopy. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 174502	3.9	26
124	Relation between the dispersion of $\epsilon''$ relaxation and the time scale of $\epsilon''$ relaxation at the glass transition. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 3984-3988	3.9	26
123	Changes of the Primary and Secondary Relaxation of Sorbitol in Mixtures with Glycerol. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 11118-11123	3.4	25
122	Dynamics of a glass-forming triepoxide studied by dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, 10297-10314	1.8	25
121	Glass formability in medium-sized molecular systems/pharmaceuticals. I. Thermodynamics vs. kinetics. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 174502	3.9	25
120	Does the entropy and volume dependence of the structural $\epsilon''$ relaxation originate from the Johari-Goldstein $\epsilon''$ relaxation?. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 705-711	3.9	24
119	Study of the relaxation behaviour of a tri-epoxy compound in the supercooled and glassy state by broadband dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 4405-4419	1.8	24
118	Direct Evidence of Relaxation Anisotropy Resolved by High Pressure in a Rigid and Planar Glass Former. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4341-4346	6.4	23
117	Pressure and temperature dependence of structural relaxation dynamics in polymers: a thermodynamic interpretation. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 6597-6608	1.8	23
116	Contrasting two different interpretations of the dynamics in binary glass forming mixtures. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 054504	3.9	22
115	Dynamics of epoxies: a full dielectric analysis by wideband spectroscopy. <i>Journal of Non-Crystalline Solids</i> , <b>1998</b> , 235-237, 576-579	3.9	22
114	What can we learn by squeezing a liquid?. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 11491-5	3.4	22
113	Influence of the wettability on the electrical response of microporous systems. <i>Journal Physics D: Applied Physics</i> , <b>2000</b> , 33, 1036-1047	3	22
112	An explanation of the differences in diffusivity of the components of the metallic glass Pd <sub>43</sub> Cu <sub>27</sub> Ni <sub>10</sub> P <sub>20</sub> . <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 094504	3.9	21
111	Enhanced crystallization kinetics in poly(ethylene terephthalate) thin films evidenced by infrared spectroscopy. <i>Polymer</i> , <b>2010</b> , 51, 3660-3668	3.9	21
110	Molecular Dynamics of Atactic Poly(propylene) Investigated by Broadband Dielectric Spectroscopy. <i>Macromolecules</i> , <b>2007</b> , 40, 1786-1788	5.5	21

109	Impact of the application of pressure on the fundamental understanding of glass transition. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 244101	1.8	20
108	Guides to solving the glass transition problem. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 244125	1.8	20
107	Applications of the rheo-dielectric technique. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 4267-4272	3.9	20
106	Dynamics of hydrated proteins and bio-protectants: Caged dynamics, $\beta$ relaxation, and $\beta$ relaxation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 3553-3563	4	19
105	The Johari-Goldstein $\beta$ relaxation of glass-forming binary mixtures. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 251-257	3.9	19
104	Alpha-relaxation dynamics of orientationally disordered mixed crystals composed of Cl-adamantane and CN-adamantane. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 164516	3.9	19
103	Dynamic Crossover of Water Relaxation in Aqueous Mixtures: Effect of Pressure. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1170-1175	6.4	19
102	Recent advances in fundamental understanding of glass transition. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 5085-5088	3.9	19
101	Resolution of problems in soft matter dynamics by combining calorimetry and other spectroscopies. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 99, 123-138	4.1	17
100	Electrical Measurements in the 100 Hz to 10 GHz Frequency Range for Efficient Rock Wettability Determination. <i>SPE Journal</i> , <b>2001</b> , 6, 80-88	3.1	17
99	Double Primary Relaxation in a Highly Anisotropic Orientational Glass-Former with Low-Dimensional Disorder. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 10614-10621	3.8	17
98	Recent progress in understanding relaxation in complex systems. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 535-541	3.9	16
97	Application of impedance spectroscopy to the study of organic multilayer devices. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2000</b> , 171, 159-166	5.1	16
96	Effect of temperature and pressure on the structural ( $\beta$ ) and the true Johari-Goldstein ( $\beta$ ) relaxation in binary mixtures. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 4273-4277	3.9	15
95	Characterization of Rock Wettability Through Dielectric Measurements. <i>Oil &amp; Gas Science &amp; Technology</i> , <b>1998</b> , 53, 771-783		15
94	Origins of the two simultaneous mechanisms causing glass transition temperature reductions in high molecular weight freestanding polymer films. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 074903	3.9	14
93	Effect of thermodynamic history on secondary relaxation in glassy phenolphthalein-dimethyl-ether. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	14
92	Comment on $\beta$ Molecular Dynamics Simulation Study of Relaxation Processes in the Dynamical Fast Component of Miscible Polymer Blends $\beta$ <i>Macromolecules</i> , <b>2006</b> , 39, 8543-8543	5.5	14

91	Coupling of caged molecule dynamics to Johari-Goldstein $\beta$ -relaxation in metallic glasses. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 024902	2.5	14
90	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> , <b>2014</b> , 118, 5608-14	3.4	13
89	Effect of thermodynamic history on secondary relaxation in the glassy state. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 4313-4317	3.9	13
88	Advances in understanding the relationship between rock wettability and high-frequency dielectric response. <i>Journal of Petroleum Science and Engineering</i> , <b>2002</b> , 33, 87-99	4.4	13
87	Influence of the end groups on dynamics of propylene glycol oligomers studied by wideband dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 307-310, 238-245	3.9	13
86	Clarifying the nature of the Johari-Goldstein $\beta$ -relaxation and emphasising its fundamental importance. <i>Philosophical Magazine</i> , <b>2020</b> , 100, 2596-2613	1.6	12
85	The JG $\beta$ -relaxation in water and impact on the dynamics of aqueous mixtures and hydrated biomolecules. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 034504	3.9	12
84	Emergence of a new feature in the high pressure-high temperature relaxation spectrum of tri-propylene glycol. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 061102	3.9	12
83	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> , <b>2002</b> , 82, 651-662		12
82	Temperature and pressure dependences of the relaxation dynamics of supercooled systems explored by dielectric spectroscopy. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1999</b> , 79, 1953-1963		12
81	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> , <b>2021</b> , 558, 119573	3.9	12
80	Segmental $\beta$ -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> , <b>2019</b> , 52, 1440-1446	5.5	11
79	Secondary relaxation dynamics in rigid glass-forming molecular liquids with related structures. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 104505	3.9	11
78	Electrostatic force microscopy and potentiometry of realistic nanostructured systems. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 054301	2.5	11
77	The Challenging Problem of Glass Transition. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 709-714	3.8	11
76	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2001</b> , 8, 454-460	2.3	11
75	Quantitative explanation of the enhancement of surface mobility of the metallic glass Pd40Cu30Ni10P20 by the Coupling Model. <i>Journal of Non-Crystalline Solids</i> , <b>2017</b> , 463, 85-89	3.9	10
74	A microscopic look at the Johari-Goldstein relaxation in a hydrogen-bonded glass-former. <i>Scientific Reports</i> , <b>2019</b> , 9, 14319	4.9	10

73	Reconsidering the dynamics in mixtures of methyltetrahydrofuran with tristyrene and polystyrene. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 5677-84	3.4	10
72	Complex Dynamics of a Fluorinated Vinylidene Cyanide Copolymer Highlighted by Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , <b>2016</b> , 49, 5104-5114	5.5	10
71	Extended model for the interaction of dielectric thin films with an electrostatic force microscope probe. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 224104	2.5	10
70	Relationship between structural and secondary relaxation in glass formers: Ratio between glass transition temperature and activation energy. <i>Philosophical Magazine</i> , <b>2008</b> , 88, 4063-4069	1.6	10
69	New experimental evidence about secondary processes in phenylphthalein-dimethylether and 1,1'-bis(p-methoxyphenyl)cyclohexane. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 114507	3.9	10
68	Secondary dielectric relaxation in decahydroisoquinoline-cyclohexane mixture. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 4685-4689	3.9	10
67	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> , <b>2002</b> , 82, 339-346		10
66	High-pressure cell for simultaneous dielectric and neutron spectroscopy. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 023904	1.7	9
65	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> , <b>2016</b> , 96, 854-869	1.6	9
64	Temperature and pressure dependence of secondary process in an epoxy system. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 044510	3.9	9
63	Relaxation processes in an epoxy resin studied by time-resolved optical Kerr effect. <i>Physical Review E</i> , <b>2002</b> , 66, 011502	2.4	9
62	Temperature and pressure behavior of the structural relaxation time in glass formers. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 307-310, 264-269	3.9	9
61	Experimental evidence of mosaic structure in strongly supercooled molecular liquids. <i>Nature Communications</i> , <b>2021</b> , 12, 1867	17.4	9
60	Does the Johari-Goldstein Relaxation Exist in Polypropylene Glycols?. <i>Macromolecules</i> , <b>2015</b> , 48, 4151-4157	5.3	8
59	Relation between configurational entropy and relaxation dynamics of glass-forming systems under volume and temperature reduction. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 753-758	3.9	8
58	The component dynamics of miscible binary mixtures of glass formers: New features. <i>Philosophical Magazine</i> , <b>2008</b> , 88, 4047-4055	1.6	8
57	Effect of pressure on relaxation dynamics at different time scales in supercooled systems. <i>Philosophical Magazine</i> , <b>2007</b> , 87, 681-689	1.6	8
56	Glass transition of an epoxy resin. A wideband dielectric investigation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2001</b> , 8, 373-376	2.3	8



55	Broadband local dielectric spectroscopy. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 182906	3.4	8
54	Effect of temperature and volume on structural relaxation time: Interpretation in terms of decrease of configurational entropy. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 2611-2615	3.9	7
53	Inter-chain and intra-chain hopping transport in conducting polymers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 148-151		7
52	How to align a nematic glassy phase [Different conditions] [Different results]. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 280, 314-318	6	6
51	Influence of temperature and pressure on the dynamics of glass formers explored by dielectric spectroscopy. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2001</b> , 8, 395-400	2.3	6
50	In silico broadband mechanical spectroscopy of amorphous tantala. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	6
49	Pressure and temperature dependences of the dynamics of glass formers studied by broad-band dielectric spectroscopy		6
48	Isochronal superposition and density scaling of the -relaxation from pico- to millisecond. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 214503	3.9	6
47	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> , <b>2019</b> , 296, 111998 <sup>6</sup>		5
46	Investigation of structural relaxation and surface modification of ultrathin films of poly(ethylene terephthalate). <i>European Physical Journal: Special Topics</i> , <b>2007</b> , 141, 193-198	2.3	5
45	Dynamics of Laponite solutions: An interpretation within the coupling model scheme. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 3885-3890	3.9	5
44	Reply to [Comment on [Correlation between configurational entropy and structural relaxation time in glass-forming liquids]] <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	5
43	Polarization fluctuations near the glass transition. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 4920-4927 <sup>3,9</sup>		5
42	Broad Band Dielectric Analysis Of Bituminous Concrete. <i>Materials Research Innovations</i> , <b>2004</b> , 8, 36-40	1.9	5
41	Characterization of electrochemically synthesized alkylpyrrole intrinsically conducting polymers. <i>Polymers for Advanced Technologies</i> , <b>2000</b> , 11, 27-39	3.2	5
40	Uncovering a novel transition in the dynamics of proteins in the dry state. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 286, 110810	6	4
39	Vibrational dynamics changes of protein hydration water across the dynamic transition. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 407, 465-471	3.9	4
38	Sub-Rouse modes in polymer thin films: Coupling to density and responding to physical aging <b>2016</b> ,		4

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