

Simone Capaccioli

List of Publications by Year in descending order

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papers

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196
times ranked

2579
citing authors

#	ARTICLE	IF	CITATIONS
1	Relation between the activation energy of the Johari-Goldstein $\hat{\tau}^2$ relaxation and $T_{\{g\}}$ of glass formers. <i>Physical Review E</i> , 2004, 69, 031501.	2.1	223
2	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, 17356-17360.	2.6	210
3	Many-Body Nature of Relaxation Processes in Glass-Forming Systems. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 735-743.	4.6	171
4	The Johari-Goldstein $\hat{\tau}^2$ -Relaxation of Water. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8197-8209.	2.6	136
5	Dynamically Correlated Regions and Configurational Entropy in Supercooled Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10652-10658.	2.6	126
6	Glass Transitions in Aqueous Solutions of Protein (Bovine Serum Albumin). <i>Journal of Physical Chemistry B</i> , 2009, 113, 14448-14456.	2.6	116
7	Two crossover regions in the dynamics of glass forming epoxy resins. <i>Journal of Chemical Physics</i> , 2002, 117, 2435-2448.	3.0	108
8	Interdependence of Primary and Johari-Goldstein Secondary Relaxations in Glass-Forming Systems. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4470-4473.	2.6	104
9	Dielectric response analysis of a conducting polymer dominated by the hopping charge transport. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 5595-5617.	1.8	102
10	Resolving the controversy on the glass transition temperature of water?. <i>Journal of Chemical Physics</i> , 2011, 135, 104504.	3.0	95
11	Dynamics of supercooled and glassy dipropylenglycol dibenzoate as functions of temperature and aging: Interpretation within the coupling model framework. <i>Journal of Chemical Physics</i> , 2004, 120, 4808-4815.	3.0	82
12	Thermodynamic scaling of $\hat{\tau}^{\pm}$ -relaxation time and viscosity stems from the Johari-Goldstein $\hat{\tau}^2$ -relaxation or the primitive relaxation of the coupling model. <i>Journal of Chemical Physics</i> , 2012, 137, 034511.	3.0	82
13	The Protein "Glass" Transition and the Role of the Solvent. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3826-3832.	2.6	80
14	Pressure dependence of structural relaxation time in terms of the Adam-Gibbs model. <i>Physical Review E</i> , 2001, 63, 031207.	2.1	78
15	Critical Issues of Current Research on the Dynamics Leading to Glass Transition. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16035-16049.	2.6	77
16	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, 158-182.	13.7	73
17	Relation between the $\hat{\tau}^{\pm}$ -Relaxation and Johari-Goldstein $\hat{\tau}^2$ -Relaxation of a Component in Binary Miscible Mixtures of Glass-Formers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9727-9735.	2.6	67
18	Changes in the dynamics of supercooled systems revealed by dielectric spectroscopy. <i>Journal of Chemical Physics</i> , 1999, 111, 9343-9351.	3.0	66

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19	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.	3.1	61
20	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, 1745-1757.	2.6	61
21	Correlation between configurational entropy and structural relaxation time in glass-forming liquids. <i>Physical Review B</i> , 2003, 67, .	3.2	58
22	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	54
23	Adam-Gibbs model for the supercooled dynamics in the ortho-terphenyl ortho-phenylphenol mixture. <i>Journal of Chemical Physics</i> , 2004, 120, 10640-10646.	3.0	53
24	Mechanism of fast surface self-diffusion of an organic glass. <i>Physical Review E</i> , 2012, 86, 051503.	2.1	53
25	Coupling of Caged Molecule Dynamics to JG β -Relaxation: I. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8800-8808.	2.6	53
26	The Glass Transition and Dielectric Secondary Relaxation of Fructose-Water Mixtures. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15470-15477.	2.6	52
27	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.	3.0	51
28	Two secondary modes in decahydroisoquinoline: Which one is the true Johari Goldstein process?. <i>Journal of Chemical Physics</i> , 2005, 122, 234506.	3.0	48
29	Interfacial and Annealing Effects on Primary β -Relaxation of Ultrathin Polymer Films Investigated at Nanoscale. <i>Macromolecules</i> , 2012, 45, 2138-2144.	4.8	46
30	Coupling of Caged Molecule Dynamics to JG β -Relaxation II: Polymers. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12502-12518.	2.6	46
31	Genuine Johari-Goldstein β -relaxations in glass-forming binary mixtures. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4643-4648.	3.1	45
32	Effect of pressure on the dynamics of glass formers. <i>Physical Review E</i> , 2001, 64, 041504.	2.1	43
33	Emergence of glassy-like dynamics in an orientationally ordered phase. <i>Physical Review B</i> , 2012, 85, .	3.2	43
34	Coupling of Caged Molecule Dynamics to JG β -Relaxation III: van der Waals Glasses. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12519-12525.	2.6	42
35	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.	3.1	40
36	Dielectric analysis of the linear polymerization of an epoxy resin. <i>Polymer International</i> , 2001, 50, 545-551.	3.1	39

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37	Thermodynamic Scaling of the Dynamics of a Strongly Hydrogen-Bonded Glass-Former. Scientific Reports, 2017, 7, 1346.	3.3	39
38	Dielectric behaviour versus temperature of a monoepoxide. Journal of Physics Condensed Matter, 1997, 9, 6199-6216.	1.8	38
39	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. Journal of Chemical Physics, 2004, 120, 437-453.	3.0	38
40	Correlation of nonexponentiality with dynamic heterogeneity from four-point dynamic susceptibility $\chi_4(t)$ and its approximation $\hat{T}(t)$. Journal of Chemical Physics, 2010, 133, 124507.	3.0	38
41	Dispersion of the Structural Relaxation and the Vitrification of Liquids. Advances in Chemical Physics, 2006, , 497-593.	0.3	37
42	Local dielectric spectroscopy of nanocomposite materials interfaces. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, C4D11-C4D17.	1.2	37
43	Effect of Confinement on Structural Relaxation in Ultrathin Polymer Films Investigated by Local Dielectric Spectroscopy. Macromolecules, 2011, 44, 6588-6593.	4.8	37
44	Dielectric secondary relaxations in polypropylene glycols. Journal of Chemical Physics, 2006, 125, 044904.	3.0	35
45	Thermodynamic scaling of vibrational dynamics and relaxation. Journal of Chemical Physics, 2016, 145, 234904.	3.0	35
46	Critical structural fluctuations of proteins upon thermal unfolding challenge the Lindemann criterion. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9361-9366.	7.1	35
47	Is the Johari-Goldstein $\hat{\Gamma}^2$ -relaxation universal?. Philosophical Magazine, 2008, 88, 4007-4013.	1.6	34
48	Revealing the rich dynamics of glass-forming systems by modification of composition and change of thermodynamic conditions. Journal of Non-Crystalline Solids, 2015, 407, 98-105.	3.1	33
49	Check of the temperature- and pressure-dependent Cohen-Grest equation. Chemical Physics Letters, 2000, 320, 113-117.	2.6	32
50	Secondary dynamics in glass formers: Relation with the structural dynamics and the glass transition. Journal of Non-Crystalline Solids, 2007, 353, 4278-4282.	3.1	32
51	Molecular Dynamics of Atactic Poly(propylene) Investigated by Broadband Dielectric Spectroscopy. Macromolecules, 2007, 40, 1786-1788.	4.8	32
52	On the relevance of the coupling model to experiments. Journal of Physics Condensed Matter, 2007, 19, 205114.	1.8	32
53	Unified explanation of the anomalous dynamic properties of highly asymmetric polymer blends. Journal of Chemical Physics, 2013, 138, 054903.	3.0	32
54	Glass formability in medium-sized molecular systems/pharmaceuticals. I. Thermodynamics vs. kinetics. Journal of Chemical Physics, 2016, 144, 174502.	3.0	32

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55	Nature of the water specific relaxation in hydrated proteins and aqueous mixtures. <i>Chemical Physics</i> , 2013, 424, 37-44.	1.9	30
56	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	29
57	Change of caged dynamics at $\langle i \rangle T \langle /i \rangle$ $\langle i \rangle g \langle /i \rangle$ 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.	3.0	29
58	Relation between the dispersion of $\hat{\Gamma}_{\pm}$ -relaxation and the time scale of $\hat{\Gamma}^2$ -relaxation at the glass transition. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 3984-3988.	3.1	28
59	Dynamics of a glass-forming triepoxide studied by dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 10297-10314.	1.8	27
60	Changes of the Primary and Secondary Relaxation of Sorbitol in Mixtures with Glycerol. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11118-11123.	2.6	27
61	Relaxation dynamics in tert-butylpyridine/tristyrene mixture investigated by broadband dielectric spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 127, 174502.	3.0	27
62	Dynamics of hydrated proteins and bio-protectants: Caged dynamics, $\hat{\Gamma}^2$ -relaxation, and $\hat{\Gamma}_{\pm}$ -relaxation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3553-3563.	2.4	27
63	Does the entropy and volume dependence of the structural $\hat{\Gamma}_{\pm}$ -relaxation originate from the Johari-Goldstein $\hat{\Gamma}^2$ -relaxation?. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 705-711.	3.1	26
64	Enhanced crystallization kinetics in poly(ethylene terephthalate) thin films evidenced by infrared spectroscopy. <i>Polymer</i> , 2010, 51, 3660-3668.	3.8	26
65	The Johari-Goldstein $\hat{\Gamma}^2$ -relaxation of glass-forming binary mixtures. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 251-257.	3.1	26
66	Influence of the wettability on the electrical response of microporous systems. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 1036-1047.	2.8	25
67	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.	4.6	25
68	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> , 2001, 13, 4405-4419.	1.8	24
69	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	24
70	A microscopic look at the Johari-Goldstein relaxation in a hydrogen-bonded glass-former. <i>Scientific Reports</i> , 2019, 9, 14319.	3.3	24
71	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
72	What Can We Learn by Squeezing a Liquid?. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11491-11495.	2.6	23

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73	An explanation of the differences in diffusivity of the components of the metallic glass Pd43Cu27Ni10P20. <i>Journal of Chemical Physics</i> , 2013, 138, 094504.	3.0	23
74	Contrasting two different interpretations of the dynamics in binary glass forming mixtures. <i>Journal of Chemical Physics</i> , 2018, 148, 054504.	3.0	23
75	Segmental $\hat{\tau}$ -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.	4.8	23
76	Experimental evidence of mosaic structure in strongly supercooled molecular liquids. <i>Nature Communications</i> , 2021, 12, 1867.	12.8	23
77	Dynamics of epoxies: a full dielectric analysis by wideband spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1998, 235-237, 576-579.	3.1	22
78	Applications of the rheo-dielectric technique. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4267-4272.	3.1	22
79	Recent advances in fundamental understanding of glass transition. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5085-5088.	3.1	22
80	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	22
81	Guides to solving the glass transition problem. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 244125.	1.8	22
82	$\hat{\tau}$ -relaxation dynamics of orientationally disordered mixed crystals composed of Cl-adamantane and CN-adamantane. <i>Journal of Chemical Physics</i> , 2010, 132, 164516.	3.0	22
83	Dynamic Crossover of Water Relaxation in Aqueous Mixtures: Effect of Pressure. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1170-1175.	4.6	22
84	The JG $\langle b \rangle^2$ -relaxation in water and impact on the dynamics of aqueous mixtures and hydrated biomolecules. <i>Journal of Chemical Physics</i> , 2019, 151, 034504.	3.0	22
85	Characterization of Rock Wettability Through Dielectric Measurements. <i>Oil & Gas Science & Technology</i> , 1998, 53, 771-783.	0.2	22
86	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.	3.1	20
87	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.	3.1	19
88	Application of impedance spectroscopy to the study of organic multilayer devices. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 171, 159-166.	4.7	18
89	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.	3.6	18
90	Recent progress in understanding relaxation in complex systems. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 535-541.	3.1	18

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91	Clarifying the nature of the Johari-Goldstein $\hat{\tau}^2$ -relaxation and emphasising its fundamental importance. Philosophical Magazine, 2020, 100, 2596-2613.	1.6	17
92	Advances in understanding the relationship between rock wettability and high-frequency dielectric response. Journal of Petroleum Science and Engineering, 2002, 33, 87-99.	4.2	16
93	Effect of temperature and pressure on the structural ($\hat{\tau}^{\pm}$) and the true Johari-Goldstein ($\hat{\tau}^2$) relaxation in binary mixtures. Journal of Non-Crystalline Solids, 2007, 353, 4273-4277.	3.1	16
94	Comment on "A Molecular Dynamics Simulation Study of Relaxation Processes in the Dynamical Fast Component of Miscible Polymer Blends". Macromolecules, 2006, 39, 8543-8543.	4.8	15
95	Effect of thermodynamic history on secondary relaxation in the glassy state. Journal of Non-Crystalline Solids, 2007, 353, 4313-4317.	3.1	15
96	Origins of the two simultaneous mechanisms causing glass transition temperature reductions in high molecular weight freestanding polymer films. Journal of Chemical Physics, 2014, 140, 074903.	3.0	15
97	Coupling of caged molecule dynamics to Johari-Goldstein $\hat{\tau}^2$ -relaxation in metallic glasses. Journal of Applied Physics, 2016, 119, .	2.5	15
98	Effect of water inclusions on charge transport and polarization in porous media. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 454-460.	2.9	14
99	Effect of thermodynamic history on secondary relaxation in glassy phenolphthalein-dimethyl-ether. Physical Review B, 2006, 73, .	3.2	14
100	Temperature Dependence of the Structural Relaxation Time in Equilibrium below the Nominal T_g : Results from Freestanding Polymer Films. Journal of Physical Chemistry B, 2014, 118, 5608-5614.	2.6	14
101	Quantitative explanation of the enhancement of surface mobility of the metallic glass Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ by the Coupling Model. Journal of Non-Crystalline Solids, 2017, 463, 85-89.	3.1	14
102	Influence of the end groups on dynamics of propylene glycol oligomers studied by wideband dielectric spectroscopy. Journal of Non-Crystalline Solids, 2002, 307-310, 238-245.	3.1	13
103	Emergence of a new feature in the high pressure "high temperature relaxation spectrum of tri-propylene glycol. Journal of Chemical Physics, 2005, 122, 061102.	3.0	13
104	Electrostatic force microscopy and potentiometry of realistic nanostructured systems. Journal of Applied Physics, 2009, 105, 054301.	2.5	13
105	Relation between configurational entropy and relaxation dynamics of glass-forming systems under volume and temperature reduction. Journal of Non-Crystalline Solids, 2009, 355, 753-758.	3.1	13
106	Extended model for the interaction of dielectric thin films with an electrostatic force microscope probe. Journal of Applied Physics, 2015, 118, .	2.5	13
107	High-pressure cell for simultaneous dielectric and neutron spectroscopy. Review of Scientific Instruments, 2018, 89, 023904.	1.3	13
108	Isochronal superposition and density scaling of the $\hat{\tau}^{\pm}$ -relaxation from pico- to millisecond. Journal of Chemical Physics, 2018, 149, 214503.	3.0	13

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109	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> , 1999, 79, 1953-1963.	0.6	12
110	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.	0.6	12
111	New experimental evidence about secondary processes in phenylphthalein-dimethylether and 1,1- ϵ^2 -bis(p-methoxyphenyl)cyclohexane. <i>Journal of Chemical Physics</i> , 2007, 127, 114507.	3.0	12
112	The Challenging Problem of Glass Transition. <i>Journal of the American Ceramic Society</i> , 2008, 91, 709-714.	3.8	12
113	Reconsidering the Dynamics in Mixtures of Methyltetrahydrofuran with Tristyrene and Polystyrene. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5677-5684.	2.6	12
114	Complex Dynamics of a Fluorinated Vinylidene Cyanide Copolymer Highlighted by Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , 2016, 49, 5104-5114.	4.8	12
115	Temperature and pressure dependence of secondary process in an epoxy system. <i>Journal of Chemical Physics</i> , 2011, 134, 044510.	3.0	11
116	Secondary relaxation dynamics in rigid glass-forming molecular liquids with related structures. <i>Journal of Chemical Physics</i> , 2015, 143, 104505.	3.0	11
117	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	11
118	Relaxation processes in an epoxy resin studied by time-resolved optical Kerr effect. <i>Physical Review E</i> , 2002, 66, 011502.	2.1	10
119	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.	0.6	10
120	Secondary dielectric relaxation in decahydroisoquinoline- ϵ^2 -cyclohexane mixture. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4685-4689.	3.1	10
121	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
122	Does the Johari- ϵ^2 -Goldstein $\hat{\tau}^2$ -Relaxation Exist in Polypropylene Glycols?. <i>Macromolecules</i> , 2015, 48, 4151-4157.	4.8	10
123	Glass transition of an epoxy resin. A wideband dielectric investigation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2001, 8, 373-376.	2.9	9
124	Temperature and pressure behavior of the structural relaxation time in glass formers. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 264-269.	3.1	9
125	Effect of pressure on relaxation dynamics at different time scales in supercooled systems. <i>Philosophical Magazine</i> , 2007, 87, 681-689.	1.6	9
126	Broadband local dielectric spectroscopy. <i>Applied Physics Letters</i> , 2016, 108, 182906.	3.3	9

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127	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.	3.1	8
128	The component dynamics of miscible binary mixtures of glass formers: New features. <i>Philosophical Magazine</i> , 2008, 88, 4047-4055.	1.6	8
129	In silico broadband mechanical spectroscopy of amorphous tantalum. <i>Physical Review Research</i> , 2019, 1, .	3.6	8
130	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.	0.8	7
131	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.	2.6	7
132	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.	4.9	7
133	Isochronal Superposition of the Structural β -Relaxation and Invariance of Its Relation to the β^2 -Relaxation to Changes of Thermodynamic Conditions in Methyl <i>m</i> -Toluate. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6690-6697.	2.6	7
134	Specific Interactions and Environment Flexibility Tune Protein Stability under Extreme Crowding. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6103-6111.	2.6	7
135	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.	3.5	7
136	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.	0.6	7
137	Characterization of electrochemically synthesized alkylpyrrole intrinsically conducting polymers. <i>Polymers for Advanced Technologies</i> , 2000, 11, 27-39.	3.2	6
138	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.	2.9	6
139	Broad Band Dielectric Analysis Of Bituminous Concrete. <i>Materials Research Innovations</i> , 2004, 8, 36-40.	2.3	6
140	Dynamics of Laponite solutions: An interpretation within the coupling model scheme. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 3885-3890.	3.1	6
141	How to align a nematic glassy phase – Different conditions – Different results. <i>Journal of Molecular Liquids</i> , 2019, 280, 314-318.	4.9	6
142	Coincident Correlation between Vibrational Dynamics and Primary Relaxation of Polymers with Strong or Weak Johari-Goldstein Relaxation. <i>Polymers</i> , 2020, 12, 761.	4.5	6
143	Reply to – Comment on – Correlation between configurational entropy and structural relaxation time in glass-forming liquids – Physical Review B, 2005, 71, .	3.2	5
144	Polarization fluctuations near the glass transition. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4920-4927.	3.1	5

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145	Investigation of structural relaxation and surface modification of ultrathin films of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.6	5
146	Response to "Comment on "Unified explanation of the anomalous dynamic properties of highly asymmetric polymer blends" [J. Chem. Phys. 138, 197101 (2013)]. Journal of Chemical Physics, 2013, 138, 197102.	3.8	5
147	Study of the cold crystallization of poly(ethylene terephthalate) at the air interface by ATR spectroscopy. European Polymer Journal, 2014, 60, 286-296.	5.4	5
148	Sub-Rouse modes in polymer thin films: Coupling to density and responding to physical aging. AIP Conference Proceedings, 2016, , .	0.4	5
149	Uncovering a novel transition in the dynamics of proteins in the dry state. Journal of Molecular Liquids, 2019, 286, 110810.	4.9	5
150	Lateral resolution of electrostatic force microscopy for mapping of dielectric interfaces in ambient conditions. Nanotechnology, 2020, 31, 335710.	2.6	5
151	Comment on "A Generalized Rouse Incoherent Scattering Function for Chain Dynamics of Unentangled Polymers in Dynamically Asymmetric Blends" Macromolecules, 2013, 46, 8054-8055.	4.8	4
152	The Viscoelastic Behavior of Rubber and Dynamics of Blends. , 2013, , 193-284.		4
153	Vibrational dynamics changes of protein hydration water across the dynamic transition. Journal of Non-Crystalline Solids, 2015, 407, 465-471.	3.1	4
154	Piezoelectric displacement mapping of compliant surfaces by constant-excitation frequency-modulation piezoresponse force microscopy. Nanotechnology, 2020, 31, 075707.	2.6	4
155	Tuning-fork-based piezoresponse force microscopy. Nanotechnology, 2021, 32, 445701.	2.6	4
156	Structural relaxation process in glass-forming liquids: A comparison between the optical Kerr effect and dielectric spectroscopy. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 553-560.	0.6	3
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