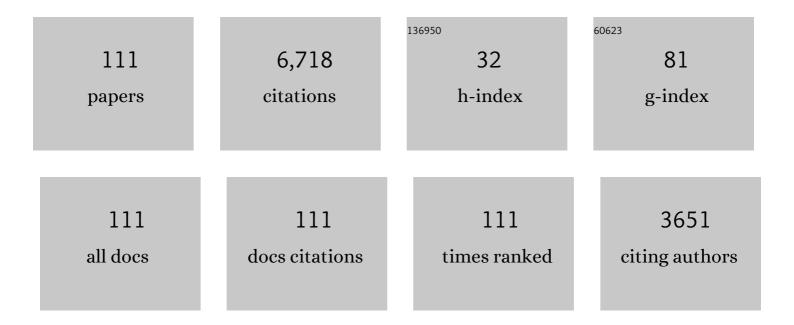
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Oxygen NMR of high-density and low-density amorphous ice. Journal of Chemical Physics, 2022, 156, 084503.	3.0	3
2	Deuteron nuclear magnetic resonance and dielectric studies of molecular reorientation and charge transport in succinonitrile-glutaronitrile plastic crystals. Journal of Non-Crystalline Solids: X, 2022, 14, 100097.	1.2	2
3	Predicting Dielectric and Shear-Rheology Properties of Glass-Forming Pharmaceutical Liquids from Each Other: Applications and Limitations. Molecular Pharmaceutics, 2022, 19, 1586-1597.	4.6	3
4	Deuteron magnetic resonance study of glyceline deep eutectic solvents: Selective detection of choline and glycerol dynamics. Journal of Chemical Physics, 2022, 156, .	3.0	4
5	Molecular Cross-correlations Govern Structural Rearrangements in a Nonassociating Polar Glass Former. Physical Review Letters, 2022, 128, .	7.8	11
6	Isotope effects on the dynamics of amorphous ices and aqueous phosphoric acid solutions. Physical Chemistry Chemical Physics, 2022, 24, 14846-14856.	2.8	1
7	Translational and reorientational dynamics in deep eutectic solvents. Journal of Chemical Physics, 2021, 154, 154501.	3.0	27
8	Rheology based estimates of self- and collective diffusivities in viscous liquids. Journal of Chemical Physics, 2021, 155, 011101.	3.0	5
9	The relationship between charge and molecular dynamics in viscous acid hydrates. Journal of Chemical Physics, 2021, 155, 014505.	3.0	5
10	First- and third-order shear nonlinearities across the structural relaxation peak of the deeply supercooled pharmaceutical liquid indomethacin. Journal of Chemical Physics, 2021, 155, 134901.	3.0	3
11	Isomeric effects in structure formation and dielectric dynamics of different octanols. Physical Chemistry Chemical Physics, 2021, 23, 24211-24221.	2.8	9
12	The relaxation behavior of supercooled and glassy imidacloprid. Journal of Chemical Physics, 2021, 155, 174502.	3.0	10
13	Advances in the study of supercooled water. European Physical Journal E, 2021, 44, 143.	1.6	40
14	How the cation size impacts on the relaxational and diffusional dynamics of supercooled butylammonium-based ionic liquids: DPEBA–TFSI versus BTMA–TFSI. Zeitschrift Fur Physikalische Chemie, 2021, .	2.8	1
15	Nuclear Spin Relaxation in Viscous Liquids: Relaxation Stretching of Single-Particle Probes. Journal of Physical Chemistry B, 2021, 125, 13519-13532.	2.6	16
16	Systematic differences in the relaxation stretching of polar molecular liquids probed by dielectric vs magnetic resonance and photon correlation spectroscopy. Journal of Chemical Physics, 2020, 153, 124510.	3.0	25
17	Time Scales of the Quasitetrahedral Motion in KMnO ₄ Observed by ¹⁷ O Central-Transition NMR Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 16202-16208.	3.1	1
18	Tuning the dynamics of imidazolium-based ionic liquids via hydrogen bonding. I. The viscous regime. Journal of Chemical Physics, 2020, 153, 194501.	3.0	14

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19	Suppression of Orientational Correlations in the Viscous-Liquid State of Hyperquenched Pressure-Densified Glycerol. Physical Review Letters, 2020, 125, 065503.	7.8	5
20	From Ultraslow to Extremely Fast Dynamics in Sodium Nitrate: an 170 NMR Study. Applied Magnetic Resonance, 2020, 51, 597-620.	1.2	2
21	Reorientational dynamics of trimethoxyboroxine: A molecular glass former studied by dielectric spectroscopy and 11B nuclear magnetic resonance. Journal of Chemical Physics, 2020, 152, 034503.	3.0	8
22	Local and global dynamics of the viscous ion conductors 2Ca(NO3)2-3KNO3 and 2Ca(NO3)2-3RbNO3 probed by 87Rb nuclear magnetic resonance and shear rheology. Journal of Chemical Physics, 2019, 150, 194503.	3.0	16
23	Structure and dynamics of short-chain polymerized ionic liquids. Journal of Chemical Physics, 2019, 151, 034903.	3.0	18
24	First-Order and Third-Order Nonlinearities from Medium-Amplitude Oscillatory Shearing of Hydrogen-Bonded Polymers and Other Viscoelastic Materials. Macromolecules, 2019, 52, 8690-8704.	4.8	6
25	Nature of Water's Second Glass Transition Elucidated by Doping and Isotope Substitution Experiments. Physical Review X, 2019, 9, .	8.9	15
26	Deeply supercooled aqueous LiCl solution studied by frequency-resolved shear rheology. Journal of Chemical Physics, 2019, 150, 234505.	3.0	16
27	Amorphous and crystalline ices studied by dielectric spectroscopy. Journal of Chemical Physics, 2019, 150, 244501.	3.0	10
28	Nonlinear electrical and rheological spectroscopies identify structural and supramolecular relaxations in a model peptide. Soft Matter, 2019, 15, 4334-4345.	2.7	6
29	Linear and nonlinear shear studies reveal supramolecular responses in supercooled monohydroxy alcohols with faint dielectric signatures. Journal of Chemical Physics, 2019, 150, 104501.	3.0	11
30	Two-site jumps in dimethyl sulfone studied by one- and two-dimensional 170 NMR spectroscopy. Journal of Magnetic Resonance, 2018, 288, 84-94.	2.1	16
31	Experiments indicating a second hydrogen ordered phase of ice VI. Chemical Science, 2018, 9, 4224-4234.	7.4	35
32	Coexistence of two structural relaxation processes in monohydroxy alcohol–alkyl halogen mixtures: Dielectric and rheological studies. Journal of Chemical Physics, 2018, 149, 044509.	3.0	12
33	Communication: Correlation of terminal relaxation rate and viscosity enhancement in supramolecular small-molecule liquids. Journal of Chemical Physics, 2018, 148, 221102.	3.0	15
34	Scaling of Suprastructure and Dynamics in Pure and Mixed Debye Liquids. Advances in Dielectrics, 2018, , 121-171.	1.2	6
35	Thermodynamic and kinetic isotope effects on the order–disorder transition of ice XIV to ice XII. Physical Chemistry Chemical Physics, 2018, 20, 21607-21616.	2.8	10
36	Transient Nonlinear Response of Dynamically Decoupled Ionic Conductors. Physical Review Letters, 2018, 121, 064503.	7.8	13

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37	Chapter 7. NMR Studies of Ionic Dynamics in Solids. New Developments in NMR, 2018, , 193-230.	0.1	15
38	Communication: Nonadditive dielectric susceptibility spectra of associating liquids. Journal of Chemical Physics, 2017, 146, 101101.	3.0	6
39	Communication: Heterogeneous water dynamics on a clathrate hydrate lattice detected by multidimensional oxygen nuclear magnetic resonance. Journal of Chemical Physics, 2017, 146, .	3.0	8
40	Interplay of defect doping and Bernal-Fowler rules: A simulation study of the dynamics on ice lattices. Physical Review B, 2017, 96, .	3.2	6
41	Relaxation dynamics and transformation kinetics of deeply supercooled water: Temperature, pressure, doping, and proton/deuteron isotope effects. Journal of Chemical Physics, 2017, 147, 034506.	3.0	23
42	Generic Primary Mechanical Response of Viscous Liquids. Physical Review Letters, 2017, 119, 248001.	7.8	25
43	Connecting structurally and dynamically detected signatures of supramolecular Debye liquids. Journal of Chemical Physics, 2017, 147, 234501.	3.0	21
44	Doping-enhanced dipolar dynamics in ice V as a precursor of hydrogen ordering in ice XIII. Physical Review B, 2016, 94, .	3.2	16
45	Positive and Negative Mixed Glass Former Effects in Sodium Borosilicate and Borophosphate Glasses Studied by 23Na NMR. Journal of Physical Chemistry B, 2016, 120, 4482-4495.	2.6	28
46	<i>Colloquium</i> : Water's controversial glass transitions. Reviews of Modern Physics, 2016, 88, .	45.6	146
47	Water dynamics on ice and hydrate lattices studied by second-order central-line stimulated-echo oxygen-17 nuclear magnetic resonance. Journal of Chemical Physics, 2015, 143, 214201.	3.0	16
48	Vibrational study of anharmonicity, supramolecular structure, and hydrogen bonding in two octanol isomers. Vibrational Spectroscopy, 2015, 79, 59-66.	2.2	9
49	Experimental evidence for two distinct deeply supercooled liquid states of water – Response to "Comment on â€`Water's second glass transitionâ€â€™, by G.P. Johari, Thermochim. Acta (2015). Thermochimica Acta, 2015, 617, 200-207.	2.7	8
50	Dynamics in Supercooled Secondary Amide Mixtures: Dielectric and Hydrogen Bond Specific Spectroscopies. Journal of Physical Chemistry B, 2015, 119, 15769-15779.	2.6	16
51	Dynamics enhanced by HCl doping triggers 60% Pauling entropy release at the ice XII–XIV transition. Nature Communications, 2015, 6, 7349.	12.8	22
52	Molecular Motions in Supercooled and Glassy Ibuprofen: Deuteron Magnetic Resonance and High-Resolution Rheology Study. Journal of Physical Chemistry B, 2015, 119, 5087-5095.	2.6	10
53	Two-dimensional second-order quadrupolar exchange powder spectra for nuclei with half-integer spins. Calculations and an experimental example using oxygen NMR. Solid State Nuclear Magnetic Resonance, 2015, 71, 96-107.	2.3	20
54	Mixed Debye-type liquids studied by dielectric, shear mechanical, nuclear magnetic resonance, and near-infrared spectroscopy. Journal of Non-Crystalline Solids, 2015, 407, 384-391.	3.1	26

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55	Deuteron magnetic resonance and dielectric studies of guest reorientation and water dynamics in six clathrate hydrates containing ring-type guests. Journal of Non-Crystalline Solids, 2015, 407, 431-440.	3.1	12
56	Supramolecular x-ray signature of susceptibility amplification in hydrogen-bonded liquids. Physical Review E, 2014, 90, 052807.	2.1	18
57	Liquid 1-propanol studied by neutron scattering, near-infrared, and dielectric spectroscopy. Journal of Chemical Physics, 2014, 140, 124501.	3.0	68
58	Second-order quadrupole interaction based detection of ultra-slow motions: Tensor operator framework for central-transition spectroscopy and the dynamics in hexagonal ice as an experimental example. Journal of Magnetic Resonance, 2014, 249, 141-149.	2.1	22
59	Shear-Modulus Investigations of Monohydroxy Alcohols: Evidence for a Short-Chain-Polymer Rheological Response. Physical Review Letters, 2014, 112, 098301.	7.8	98
60	Anomalously large isotope effect in the glass transition of water. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17402-17407.	7.1	57
61	Structure and dynamics of monohydroxy alcohols—Milestones towards their microscopic understanding, 100Âyears after Debye. Physics Reports, 2014, 545, 125-195.	25.6	221
62	Oscillatory shear and high-pressure dielectric study of 5-methyl-3-heptanol. Colloid and Polymer Science, 2014, 292, 1913-1921.	2.1	42
63	Dynamics in Glass Forming Sulfuric and Nitric Acid Hydrates. Journal of Physical Chemistry B, 2013, 117, 12164-12174.	2.6	12
64	Dynamics of Glass Forming Ammonia Hydrates. Journal of Physical Chemistry B, 2013, 117, 12157-12163.	2.6	4
65	Salty Water in KOH-Doped Hexagonal Ice: a Proton and Deuteron NMR Study. Applied Magnetic Resonance, 2013, 44, 203-215.	1.2	4
66	Debye relaxation and 250 K anomaly in glass forming monohydroxy alcohols. Journal of Chemical Physics, 2013, 138, 094505.	3.0	59
67	Water's second glass transition. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17720-17725.	7.1	243
68	Broadband dynamics in neat 4-methyl-3-heptanol and in mixtures with 2-ethyl-1-hexanol. Journal of Chemical Physics, 2013, 139, 134503.	3.0	28
69	Shear and dielectric responses of propylene carbonate, tripropylene glycol, and a mixture of two secondary amides. Journal of Chemical Physics, 2012, 137, 064508.	3.0	37
70	Experimental studies of Debye-like process and structural relaxation in mixtures of 2-ethyl-1-hexanol and 2-ethyl-1-hexyl bromide. Journal of Chemical Physics, 2012, 137, 144502.	3.0	40
71	Hydrogen-Bond Equilibria and Lifetimes in a Monohydroxy Alcohol. Physical Review Letters, 2011, 107, 118304.	7.8	82
72	Diluting the hydrogen bonds in viscous solutions of n-butanol with n-bromobutane: II. A comparison of rotational and translational motions. Journal of Chemical Physics, 2011, 134, 064512.	3.0	35

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73	Nuclear magnetic resonance and dielectric noise study of spectral densities and correlation functions in the glass forming monoalcohol 2-ethyl-1-hexanol. Journal of Chemical Physics, 2011, 135, 174511.	3.0	43
74	Energy landscape in molecular glasses probed by high-resolution dielectric experiments. Physical Review B, 2010, 82, .	3.2	20
75	Deuteron nuclear magnetic resonance and dielectric study of host and guest dynamics in KOH-doped tetrahydrofuran clathrate hydrate. Physical Review B, 2010, 81, .	3.2	7
76	Nuclear-Magnetic-Resonance Measurements Reveal the Origin of the Debye Process in Monohydroxy Alcohols. Physical Review Letters, 2010, 105, 258303.	7.8	158
77	Evolution of excess wing and β-process in simple glass formers. Journal of Chemical Physics, 2009, 131, 184510.	3.0	56
78	Water dynamics on the hydrate lattice of a tetrabutyl ammonium bromide semiclathrate. Journal of Chemical Physics, 2009, 130, 104505.	3.0	18
79	Diluting the hydrogen bonds in viscous solutions of n-butanol with n-bromobutane: A dielectric study. Journal of Chemical Physics, 2008, 128, 154520.	3.0	53
80	Stimulated echoes and two-dimensional nuclear magnetic resonance spectra for solids with simple line shapes. Journal of Chemical Physics, 2008, 128, 114506.	3.0	14
81	Dielectric relaxation processes in solid and supercooled liquid solutions of acetaminophen and nifedipine. Journal of Physics Condensed Matter, 2007, 19, 205134.	1.8	17
82	2H NMR studies of supercooled and glassy aspirin. Journal of Non-Crystalline Solids, 2007, 353, 3788-3795.	3.1	19
83	Solid-state Li NMR with applications to the translational dynamics in ion conductors. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 50, 87-174.	7.5	213
84	Relaxation in the glass former acetylsalicylic acid studied by deuteron magnetic resonance and dielectric spectroscopy. Physical Review E, 2006, 74, 021506.	2.1	18
85	Dielectric study of the viscous and glassy states of a binary, nifedipine-based pharmaceutical alloy. Journal of Non-Crystalline Solids, 2006, 352, 4459-4463.	3.1	7
86	Silver ion dynamics in silver borate glasses: spectra and multiple-time correlation functions from 109Ag-NMR. Solid State Nuclear Magnetic Resonance, 2005, 27, 122-131.	2.3	31
87	Nuclear magnetic resonance and dielectric spectroscopy of a simple supercooled liquid: 2-methyl tetrahydrofuran. Journal of Chemical Physics, 2003, 118, 7431.	3.0	49
88	The methyl group as a built-in probe of the glassy dynamics in propylene carbonate. Physical Chemistry Chemical Physics, 2001, 3, 4022-4028.	2.8	21
89	Dynamics of supercooled liquids and glassy solids. Progress in Nuclear Magnetic Resonance Spectroscopy, 2001, 39, 191-267.	7.5	275
90	Slow and fast methyl group rotations in fragile glass-formers studied by NMR. Chemical Physics Letters, 2000, 328, 257-262.	2.6	14

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91	Deuteron and carbon magnetic resonance studies of supercooled liquid and glassy salol. Journal of Chemical Physics, 2000, 112, 5884-5892.	3.0	11
92	Isotope effects on the dynamics of a supercooled van der Waals liquid. Europhysics Letters, 2000, 49, 748-753.	2.0	17
93	Structural relaxation of the fragile glass-former propylene carbonate studied by nuclear magnetic resonance. Journal of Chemical Physics, 2000, 112, 9455-9462.	3.0	44
94	87Rb NMR Studies of Molten and Glassy 2Ca(NO3)2â^'3RbNO3. Journal of Physical Chemistry B, 1999, 103, 4109-4112.	2.6	10
95	Nanoscale heterogeneity if glass-forming liquids: experimental advances. Current Opinion in Solid State and Materials Science, 1998, 3, 378-385.	11.5	85
96	Reorientational dynamics in simple supercooled liquids. Journal of Non-Crystalline Solids, 1998, 235-237, 121-127.	3.1	34
97	Reorientations in supercooled glycerol studied by two-dimensional time-domain deuteron nuclear magnetic resonance spectroscopy. Journal of Chemical Physics, 1998, 109, 241-248.	3.0	95
98	Rotational correlation functions and apparently enhanced translational diffusion in a free-energy landscape model for the α relaxation in glass-forming liquids. Physical Review E, 1998, 57, 4398-4410.	2.1	76
99	Structural relaxation in a molten salt probed by time-dependent dc conductivity measurements. Journal of Non-Crystalline Solids, 1997, 212, 89-94.	3.1	10
100	Ionic transport and heat capacity of glass-forming metalî—,nitrate mixtures. Journal of Non-Crystalline Solids, 1997, 220, 93-101.	3.1	28
101	Amorphous polymorphis in ice investigated by inelastic neutron scattering. Physica B: Condensed Matter, 1997, 241-243, 897-902.	2.7	30
102	Nonresonant Spectral Hole Burning in the Slow Dielectric Response of Supercooled Liquids. Science, 1996, 274, 752-754.	12.6	326
103	The lithium ion conductor β-spodumene: an orientational glass. Zeitschrift Für Physik B-Condensed Matter, 1996, 100, 583-593.	1.1	16
104	Ion transport in the fragile glass former3KNO3-2Ca(NO3)2. Physical Review E, 1996, 54, 676-684.	2.1	82
105	High-frequency dielectric spectroscopy on glycerol. Europhysics Letters, 1996, 33, 611-616.	2.0	91
106	Glass Transitions and Relaxation Phenomena in Orientational Glasses and Supercooled Plastic Crystals. , 1994, , 659-696.		20
107	Nonexponential relaxations in strong and fragile glass formers. Journal of Chemical Physics, 1993, 99, 4201-4209.	3.0	2,192
108	Correlations of the nonexponentiality and state dependence of mechanical relaxations with bond connectivity in Ge-As-Se supercooled liquids. Physical Review B, 1992, 45, 10091-10094	3.2	484

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109	Slow processes in viscous liquids: Stress and structural relaxation, chemical reaction freezing, crystal nucleation and microemulsion arrest, in relation to liquid fragility. AIP Conference Proceedings, 1992, , .	0.4	11
110	Dielectric study of orientational disorder in (CO2)1â^'x(N2O)xmixed crystals. Physical Review B, 1990, 42, 1439-1443.	3.2	6
111	Radioâ€frequency dielectric measurements at temperatures from 10 to 450 K. Journal of Applied Physics, 1989, 65, 901-904.	2.5	114