

# Ranko Richert

## List of Publications by Citations

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280  
papers

12,311  
citations

59  
h-index

100  
g-index

284  
ext. papers

12,852  
ext. citations

4  
avg, IF

6.85  
L-index

#	Paper	IF	Citations
280	Dynamics of glass-forming liquids. V. On the link between molecular dynamics and configurational entropy. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 9016-9026	3.9	570
279	Heterogeneous dynamics in liquids: fluctuations in space and time. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, R703-R738	1.8	522
278	Dynamics of glass-forming liquids. I. Temperature-derivative analysis of dielectric relaxation data. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 6251-6257	3.9	464
277	Dynamics of glass-forming liquids. II. Detailed comparison of dielectric relaxation, dc-conductivity, and viscosity data. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 2043-2055	3.9	446
276	Dynamics of glass-forming liquids. III. Comparing the dielectric $\epsilon''$ and $\tau$ relaxation of 1-propanol and o-terphenyl. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 1086-1093	3.9	377
275	Fragility and thermodynamics in nonpolymeric glass-forming liquids. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 074505	3.9	229
274	Dielectric studies of the glass transition in porous media. <i>Physical Review Letters</i> , <b>1994</b> , 73, 2224-2227	7.4	213
273	Nature of the non-exponential primary relaxation in structural glass-formers probed by dynamically selective experiments. <i>Journal of Non-Crystalline Solids</i> , <b>1998</b> , 235-237, 1-9	3.9	210
272	Equilibrium and Non-Equilibrium Type $\beta$ Relaxations: d-Sorbitol versus o-Terphenyl. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 4071-4077	3.4	192
271	Hole transport in 1,1-bis(di-4-tolylaminophenyl)cyclohexane. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 8276-8281	3.9	188
270	Dynamics of nanoconfined supercooled liquids. <i>Annual Review of Physical Chemistry</i> , <b>2011</b> , 62, 65-84	15.7	187
269	Structure and dynamics of monohydroxy alcohols: Milestones towards their microscopic understanding, 100 years after Debye. <i>Physics Reports</i> , <b>2014</b> , 545, 125-195	27.7	182
268	On the existence of and mechanism for microwave-specific reaction rate enhancement. <i>Chemical Science</i> , <b>2015</b> , 6, 2144-2152	9.4	165
267	Dynamics of hydrogen-bonded liquids confined to mesopores: A dielectric and neutron spectroscopy study. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 2016-2024	3.9	155
266	Dynamics of glass-forming liquids. VII. Dielectric relaxation of supercooled tris-naphthylbenzene, squalane, and decahydroisoquinoline. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 1828-1836	3.9	146
265	Poole-Frenkel behavior of charge transport in organic solids with off-diagonal disorder studied by Monte Carlo simulation. <i>Synthetic Metals</i> , <b>1990</b> , 37, 271-281	3.6	139
264	Diffusion and drift of charge carriers in a random potential: Deviation from Einstein's law. <i>Physical Review Letters</i> , <b>1989</b> , 63, 547-550	7.4	123

- 263 The dielectric modulus: relaxation versus retardation. *Solid State Ionics*, **1998**, 105, 167-173 3.3 121
- 262 Dielectric relaxation of liquids at the surface of a porous glass. *Physical Review B*, **1995**, 52, 15232-15238 3.3 118
- 261 Anomalous time-independent diffusion of charge carriers in a random potential under a bias field. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1991**, 63, 587-601 116
- 260 Dynamics of glass-forming liquids. IX. Structural versus dielectric relaxation in monohydroxy alcohols. *Journal of Chemical Physics*, **2004**, 121, 11170-6 3.9 111
- 259 Triplet state solvation dynamics: Basics and applications. *Journal of Chemical Physics*, **2000**, 113, 8404-8429 3.9 109
- 258 Molecular mobility in supported thin films of polystyrene, poly(methyl methacrylate), and poly(2-vinyl pyridine) probed by dye reorientation. *Soft Matter*, **2012**, 8, 819-826 3.6 106
- 257 Comparing calorimetric and dielectric polarization modes in viscous 2-ethyl-1-hexanol. *Journal of Chemical Physics*, **2007**, 126, 104503 3.9 104
- 256 Evidence for Dynamic Heterogeneity near T<sub>g</sub> from the Time-Resolved Inhomogeneous Broadening of Optical Line Shapes. *Journal of Physical Chemistry B*, **1997**, 101, 6323-6326 3.4 101
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- 254 Dynamics of glass-forming liquids. IV. True activated behavior above 2 GHz in the dielectric relaxation of organic liquids. *Journal of Chemical Physics*, **1998**, 108, 6408-6415 3.9 99
- 253 Suppression of dielectric relaxation in Vapor-Deposited Ultrastable Glasses. *Physical Review Letters*, **2015**, 115, 185501 7.4 97
- 252 Dynamics of solvation in supercooled liquids confined to the pores of sol-gel glasses. *Physical Review B*, **1996**, 53, 5341-5347 3.3 96
- 251 Measuring the configurational heat capacity of liquids. *Physical Review Letters*, **2007**, 99, 185701 7.4 95
- 250 Watching hydrogen-bonded structures in an alcohol convert from rings to chains. *Physical Review Letters*, **2012**, 109, 167802 7.4 94
- 249 Dielectric properties of epoxy based nanocomposites for high voltage insulation. *IEEE Transactions on Dielectrics and Electrical Insulation*, **2011**, 18, 659-666 2.3 92
- 248 Nonexponential hole burning kinetics in organic glasses. *The Journal of Physical Chemistry*, **1985**, 89, 4569-4574 2.9 92
- 247 Solvation dynamics and the dielectric response in a glass-forming solvent: from picoseconds to seconds. *Chemical Physics Letters*, **1994**, 229, 302-308 2.5 91
- 246 Dispersive triplet excitation transport in organic glasses. *Journal of Chemical Physics*, **1986**, 84, 3567-3573 2.9 91

245	Structural rearrangements governing Johari-Goldstein relaxations in metallic glasses. <i>Science Advances</i> , <b>2017</b> , 3, e1701577	14.3	89
244	On the dielectric susceptibility spectra of supercooled o-terphenyl. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 154502	3.9	86
243	Progress towards processible materials for light-emitting devices using poly(p-phenylphenylenevinylene). <i>Advanced Materials</i> , <b>1992</b> , 4, 661-662	24	86
242	Merging of the $\alpha$ and $\beta$ relaxations and aging via the Johari-Goldstein modes in rapidly quenched metallic glasses. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 131911	3.4	85
241	Dynamics of glass-forming liquids. XIII. Microwave heating in slow motion. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 194509	3.9	82
240	Solvation dynamics and electric field relaxation in an imidazolium-PF6 ionic liquid: from room temperature to the glass transition. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 5016-22	3.4	82
239	Calorimetric versus kinetic glass transitions in viscous monohydroxy alcohols. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 084503	3.9	76
238	Dynamics of supercooled melts treated in terms of the random-walk concept. <i>Journal of Physics Condensed Matter</i> , <b>1990</b> , 2, 2273-2288	1.8	75
237	Exponential probe rotation in glass-forming liquids. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 11082-9	3.9	73
236	Prevalence of approximate square root( $t$ ) relaxation for the dielectric $\alpha$ process in viscous organic liquids. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 154508	3.9	69
235	Dielectric relaxation of the electric field in poly(vinyl acetate): a time domain study in the range $10^{-10}$ to $10^6$ s. <i>Polymer</i> , <b>1997</b> , 38, 255-261	3.9	69
234	Hopping in a Gaussian distribution of energy states: Transition from dispersive to non-dispersive transport. <i>Philosophical Magazine Letters</i> , <b>1989</b> , 59, 325-331	1	69
233	The physics of heating by time-dependent fields: microwaves and water revisited. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 9909-13	3.4	68
232	Capacitive scanning dilatometry and frequency-dependent thermal expansion of polymer films. <i>Physical Review E</i> , <b>2000</b> , 61, 1755-64	2.4	68
231	Nonlinear features in the dielectric behavior of propylene glycol. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	66
230	Debye type dielectric relaxation and the glass transition of alcohols. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 11091-4	3.4	66
229	Appearance of a Debye process at the conductivity relaxation frequency of a viscous liquid. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 104508	3.9	65
228	Scaling vs. Vogel-Bulcher-type structural relaxation in deeply supercooled materials. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2000</b> , 287, 26-36	3.3	65

227	Geometrical confinement and cooperativity in supercooled liquids studied by solvation dynamics. <i>Physical Review B</i> , <b>1996</b> , 54, 15762-15766	3.3	65
226	Spectral selectivity in the slow $\beta$ relaxation of a molecular glass. <i>Europhysics Letters</i> , <b>2001</b> , 54, 767-773	1.6	64
225	Spatial uniformity of the $\beta$ relaxation in D-sorbitol. <i>Journal of Non-Crystalline Solids</i> , <b>1998</b> , 242, 19-24	3.9	63
224	Merocyanine $\leftrightarrow$ spiropyran transformation in a polymer matrix: An example of a dispersive chemical reaction. <i>Chemical Physics Letters</i> , <b>1985</b> , 116, 302-306	2.5	62
223	Dynamics of a supercooled ionic liquid studied by optical and dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 4371-7	3.4	61
222	Energetic relaxation of triplet excitations in vitreous benzophenone. <i>Chemical Physics Letters</i> , <b>1985</b> , 118, 235-239	2.5	59
221	Primary and secondary relaxation time dispersions in fragile supercooled liquids. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	57
220	Dielectric hole burning in the high frequency wing of supercooled glycerol. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 1356-1363	3.9	56
219	Identification of dielectric and structural relaxations in glass-forming secondary amides. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 054516	3.9	56
218	Role of fragility in the formation of highly stable organic glasses. <i>Physical Review Letters</i> , <b>2014</b> , 113, 045901	3.9	54
217	Molecular packing in highly stable glasses of vapor-deposited tris-naphthylbenzene isomers. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 094505	3.9	54
216	Analysis of non-exponential first-order reactions. <i>Chemical Physics Letters</i> , <b>1985</b> , 118, 534-538	2.5	54
215	Dynamics of supercooled liquids in the vicinity of soft and hard interfaces. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	53
214	Heterogeneous relaxation patterns in supercooled liquids studied by solvation dynamics. <i>Physical Review E</i> , <b>2000</b> , 61, 1722-8	2.4	53
213	Heterogeneous and Homogeneous Diffusivity in an Ion-Conducting Glass. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4337-4340	7.4	53
212	Dipolar solvation as a signature of dielectric responses in supercooled liquids. <i>The Journal of Physical Chemistry</i> , <b>1991</b> , 95, 10115-10123		53
211	Frustrated energy relaxation in an organic glass. <i>Philosophical Magazine Letters</i> , <b>1989</b> , 59, 95-102	1	53
210	Dielectric hole burning: Signature of dielectric and thermal relaxation time heterogeneity. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 6150-6156	3.9	52

209	Physical aging and heterogeneous dynamics. <i>Physical Review Letters</i> , <b>2010</b> , 104, 085702	7.4	51
208	Dipolar dynamics of low-molecular-weight organic materials in the glassy state. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 9661-9671	1.8	50
207	Enhanced diffusivity in supercooled liquids. <i>New Journal of Physics</i> , <b>2007</b> , 9, 36-36	2.9	50
206	Origin of dispersion in dipolar relaxations of glasses. <i>Chemical Physics Letters</i> , <b>1993</b> , 216, 223-227	2.5	50
205	Intramolecular glass transition and liquid dynamics in soft confinement. <i>Physical Review Letters</i> , <b>2004</b> , 92, 095701	7.4	49
204	Dispersive and nondispersive charge transport in a molecularly doped polymer with superimposed energetic and positional disorder. <i>Physical Review B</i> , <b>1993</b> , 47, 4289-4295	3.3	49
203	Anomalously large isotope effect in the glass transition of water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17402-7	11.5	47
202	Dielectric studies deny existence of ultraviscous fragile water. <i>Physical Review Letters</i> , <b>2004</b> , 93, 215703	7.4	47
201	Dynamics of glass-forming liquids. XVII. Dielectric relaxation and intermolecular association in a series of isomeric octyl alcohols. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 144503	3.9	45
200	Diluent effects on the Debye-type dielectric relaxation in viscous monohydroxy alcohols. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 23255-62	3.4	45
199	Dynamics of glass-forming liquids. VI. Dielectric relaxation study of neat decahydro-naphthalene. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 4414-4418	3.9	45
198	Purely Mechanical Solvation Dynamics in Supercooled Liquids: The S0 $\leftarrow$ T1 (00) Transition of Naphthalene. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 5775-5781	2.8	44
197	Molecular probing of dielectric relaxation in the glass-transition region. <i>Chemical Physics Letters</i> , <b>1992</b> , 199, 355-359	2.5	44
196	Dynamics of glass-forming liquids. XV. Dynamical features of molecular liquids that form ultra-stable glasses by vapor deposition. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 124515	3.9	43
195	Structural relaxation dynamics in binary glass-forming molecular liquids with ideal and complex mixing behavior. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 3618-22	3.4	42
194	Diffusion-controlled and "diffusionless" crystal growth near the glass transition temperature: relation between liquid dynamics and growth kinetics of seven ROY polymorphs. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 074506	3.9	42
193	Glass transition dynamics and boiling temperatures of molecular liquids and their isomers. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 3201-7	3.4	42
192	Dynamic heterogeneity, spatially distributed stretched-exponential patterns, and transient dispersions in solvation dynamics. <i>Physical Review E</i> , <b>1998</b> , 58, 779-784	2.4	41

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190	Dielectric beta relaxations in the glassy state of salol?. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 11660-11663	3.9	39
189	Thermally stimulated modulus relaxation in polymers: method and interpretation. <i>Polymer</i> , <b>1997</b> , 38, 5801-5806	3.9	38
188	Ideal mixing behavior of the debye process in supercooled monohydroxy alcohols. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 8767-73	3.4	38
187	Surface Induced Glass Transition in a Confined Molecular Liquid. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 895-898	3.4	38
186	Measurement and analysis of time-domain electric field relaxation: The vitreous ionic conductor 0.4 Ca(NO <sub>3</sub> ) <sub>2</sub> ·0.6 KNO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 1750-1755	2.5	38
185	Thermal stability of vapor-deposited stable glasses of an organic semiconductor. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 134504	3.9	37
184	Enhanced translational diffusion of rubrene in sucrose benzoate. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 14510	3.9	37
183	Dynamics of glass-forming liquids. XI. Fluctuating environments by dielectric spectroscopy. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 164510	3.9	37
182	Binary Glass-Forming Materials: Mixtures of Sorbitol and Glycerol <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 10451-10456	3.4	37
181	Supercooled Liquids and Glasses by Dielectric Relaxation Spectroscopy. <i>Advances in Chemical Physics</i> , <b>2014</b> , 101-195		36
180	Insulated electrodes for eliminating conductivity in dielectric relaxation experiments. <i>European Physical Journal B</i> , <b>2009</b> , 68, 197-200	1.2	36
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178	Dynamics of glass-forming liquids. XVIII. Does entropy control structural relaxation times?. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 044504	3.9	35
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176	Dynamics of glass-forming liquids. XVI. Observation of ultrastable glass transformation via dielectric spectroscopy. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 12A519	3.9	34
175	Disorder-enhanced triplet exciton diffusion in condensed aromatic systems. <i>Chemical Physics Letters</i> , <b>1988</b> , 143, 459-462	2.5	34
174	Spectral diffusion in liquids with fluctuating solvent responses: Dynamical heterogeneity and rate exchange. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 1429-1434	3.9	33

- 173 Observation of heterogeneity in the nanosecond dynamics of a liquid. *Journal of Chemical Physics*, **2001**, 115, 2676-2680 3.9 33
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- 171 Homogeneous dispersion of dielectric responses in a simple glass. *Journal of Non-Crystalline Solids*, **1994**, 172-174, 209-213 3.9 33
- 170 Time-dependent non-equilibrium exciton diffusion in an organic glass. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1984**, 49, L25-L30 33
- 169 Dielectric spectroscopy and dynamics in confinement. *European Physical Journal: Special Topics*, **2010**, 189, 37-46 2.3 32
- 168 Rate-Memory and Dynamic Heterogeneity of First-Order Reactions in a Polymer Matrix. *Macromolecules*, **1997**, 30, 4038-4041 5.5 32
- 167 Fundamental Link between Relaxation, Excess Wings, and Cage-Breaking in Metallic Glasses. *Journal of Physical Chemistry Letters*, **2018**, 9, 5877-5883 6.4 32
- 166 Limitations of heterogeneous models of liquid dynamics: very slow rate exchange in the excess wing. *Journal of Chemical Physics*, **2014**, 140, 054503 3.9 31
- 165 Dynamics of glass-forming liquids. XII. Dielectric study of primary and secondary relaxations in ethylcyclohexane. *Journal of Chemical Physics*, **2008**, 128, 124505 3.9 31
- 164 Why retardation takes more time than relaxation in a linear medium. *Physical Review E*, **2008**, 77, 031201 2.4 31
- 163 Dynamics of glassy and liquid m-toluidine investigated by high-resolution dielectric spectroscopy. *Journal of Chemical Physics*, **2005**, 122, 84508 3.9 30
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- 161 Heating liquid dielectrics by time dependent fields. *European Physical Journal B*, **2011**, 83, 429-435 1.2 29
- 160 Merocyanine-spiropyran photochemical transformation in polymers probing effects of random matrices. *Macromolecules*, **1988**, 21, 923-929 5.5 29
- 159 Nonlinear dielectric effects in liquids: a guided tour. *Journal of Physics Condensed Matter*, **2017**, 29, 363001 2.8 28
- 158 Unified Criterion for Temperature-Induced and Strain-Driven Glass Transitions in Metallic Glass. *Physical Review Letters*, **2015**, 115, 135701 7.4 28
- 157 The relation of solvatochromism and thermochromism to the solvent dielectric constant: The basis of the ET and E'T polarity scales. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1994**, 98, 619-625 28
- 156 Dynamics of glass-forming liquids. XIX. Rise and decay of field induced anisotropy in the non-linear regime. *Journal of Chemical Physics*, **2015**, 143, 104504 3.9 27



155	Dynamics of glass-forming liquids. XIV. A search for ultraslow dielectric relaxation in glycerol. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 074502	3.9	27
154	Reverse calorimetry of a supercooled liquid: Propylene carbonate. <i>Thermochimica Acta</i> , <b>2011</b> , 522, 28-352.	9	27
153	Cooperativity and heterogeneity of the dynamics in nano-confined liquids. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, A199-A206	1.8	27
152	A simple current-to-voltage interface for dielectric relaxation measurements in the range 10B to 107 Hz. <i>Review of Scientific Instruments</i> , <b>1996</b> , 67, 3217-3221	1.7	27
151	Solvent response and dielectric relaxation in supercooled butyronitrile. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 24504	3.9	26
150	Strain induced fragility transition in metallic glass. <i>Nature Communications</i> , <b>2015</b> , 6, 7179	17.4	25
149	Electrorheological Source of Nonlinear Dielectric Effects in Molecular Glass-Forming Liquids. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7737-44	3.4	24
148	Dielectric anomalies in the relaxation of glassy 1,4-polybutadiene. <i>Acta Polymerica</i> , <b>1997</b> , 48, 484-489		24
147	The modulus of dielectric and conductive materials and its modification by high electric fields. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 305, 29-39	3.9	24
146	Solvation dynamics in supercooled liquids: the quinoxaline triplet state in 2-MTHF at the glass transition. <i>Chemical Physics Letters</i> , <b>1990</b> , 171, 222-228	2.5	24
145	Dynamics of glass-forming liquids. XX. Third harmonic experiments of non-linear dielectric effects versus a phenomenological model. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 064510	3.9	24
144	Enthalpy recovery in glassy materials: heterogeneous versus homogenous models. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 174515	3.9	23
143	Solvation dynamics versus inhomogeneity of decay rates as the origin of spectral shifts in supercooled liquids. <i>Chemical Physics Letters</i> , <b>1991</b> , 176, 329-334	2.5	23
142	Dynamics of a polymer matrix probed by the ring closure of merocyanine. <i>Chemical Physics</i> , <b>1988</b> , 122, 455-462	2.3	23
141	Non-linear dielectric signatures of entropy changes in liquids subject to time dependent electric fields. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 114501	3.9	22
140	Dynamics of glass-forming liquids. X. Dielectric relaxation of 3-bromopentane as molecular probes in 3-methylpentane. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 164504	3.9	22
139	Dynamic thermal expansivity near the glass transition. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 262, 276-281	3.9	22
138	Relaxation of Second-Harmonic Generation in Guest/Host Polymers Poled by Indium-Tin Oxide Sandwich Electrodes. <i>Macromolecules</i> , <b>1994</b> , 27, 4318-4326	5.5	22

137	Dielectric study of probe rotation in viscous liquids. <i>Philosophical Magazine</i> , <b>2007</b> , 87, 371-382	1.6	21
136	Confined viscous liquids: Interfacial versus finite size effects. <i>European Physical Journal: Special Topics</i> , <b>2007</b> , 141, 3-9	2.3	21
135	Donor/acceptor-substituted phenylenevinylenes. <i>Advanced Materials</i> , <b>1996</b> , 8, 932-935	24	21
134	Experimental Study of Non-Exponential Relaxation Processes in Random Organic Solids. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>1986</b> , 149, 63-75	3.1	21
133	Dynamics of supercooled liquid and plastic crystalline ethanol: Dielectric relaxation and AC nanocalorimetry distinguish structural and Debye relaxation processes. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 014502	3.9	20
132	Comment on "Hidden slow dynamics in water". <i>Physical Review Letters</i> , <b>2010</b> , 104, 249801; author reply 249802	7.4	20
131	Heat capacity in the glass transition range modeled on the basis of heterogeneous dynamics. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 144501	3.9	20
130	Molecular dynamics analyzed in terms of continuous measures of dynamic heterogeneity. <i>Journal of Non-Crystalline Solids</i> , <b>1998</b> , 235-237, 41-47	3.9	20
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126	Structural recovery in plastic crystals by time-resolved non-linear dielectric spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 154504	3.9	19
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