Marian Paluch

List of Publications by Year
in descending order

516 papers	14,526 citations	26630 56 h-index	48315 88 g-index
522 all docs	522 docs citations	522 times ranked	5813 citing authors

#	Article	IF	Citations
1	Classification of secondary relaxation in glass-formers based on dynamic properties. Journal of Chemical Physics, 2004, 120, 857-873.	3.0	726
2	Supercooled dynamics of glass-forming liquids and polymers under hydrostatic pressure. Reports on Progress in Physics, 2005, 68, 1405-1478.	20.1	637
3	Electric modulus approach to the analysis of electric relaxation in highly conducting (Na0.75Bi0.25)(Mn0.25Nb0.75)O3ceramics. Journal Physics D: Applied Physics, 2005, 38, 1450-1460.	2.8	215
4	Do Theories of the Glass Transition, in which the Structural Relaxation Time Does Not Define the Dispersion of the Structural Relaxation, Need Revision?. Journal of Physical Chemistry B, 2005, 109, 17356-17360.	2.6	210
5	Molecular Dynamics of Glass-Forming Systems. Advances in Dielectrics, 2011, , .	1.2	199
6	3D printed orodispersible films with Aripiprazole. International Journal of Pharmaceutics, 2017, 533, 413-420.	5.2	182
7	Many-Body Nature of Relaxation Processes in Glass-Forming Systems. Journal of Physical Chemistry Letters, 2012, 3, 735-743.	4.6	171
8	Does the Arrhenius Temperature Dependence of the Johari-Goldstein Relaxation Persist aboveTg?. Physical Review Letters, 2003, 91, 115701.	7.8	167
9	Broadband Dielectric Relaxation Study at Ambient and Elevated Pressure of Molecular Dynamics of Pharmaceutical: Indomethacin. Journal of Physical Chemistry B, 2009, 113, 12536-12545.	2.6	125
10	Molecular Dynamics and Physical Stability of Amorphous Anti-Inflammatory Drug: Celecoxib. Journal of Physical Chemistry B, 2010, 114, 12792-12801.	2.6	121
11	Relative contributions of thermal energy and free volume to the temperature dependence of structural relaxation in fragile glass-forming liquids. Physical Review B, 2002, 66, .	3.2	114
12	Scaling of viscous dynamics in simple liquids: theory, simulation and experiment. New Journal of Physics, 2012, 14, 113035.	2.9	111
13	Correlation between primary and secondary Johariâ€“Goldstein relaxations in supercooled liquids: Invariance to changes in thermodynamic conditions. Journal of Chemical Physics, 2008, 128, 044512.	3.0	107
14	Dielectric Relaxation and Crystallization Kinetics of Ibuprofen at Ambient and Elevated Pressure. Journal of Physical Chemistry B, 2010, 114, 6579-6593.	2.6	106
15	Effect of pressure on the Î± relaxation in glycerol and xylitol. Journal of Chemical Physics, 2002, 116, 9839-9844.	3.0	98
16	Isochronal temperatureâ€“pressure superpositioning of the Î±-relaxation in type-A glass formers. Chemical Physics Letters, 2003, 367, 259-264.	2.6	98
17	Dynamic crossover in supercooled liquids induced by high pressure. Journal of Chemical Physics, 2003, 118, 5701-5703.	3.0	86
18	Polyisobutylene: A most unusual polymer. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1390-1399.	2.1	86

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19	Dynamics in supercooled polyalcohols: Primary and secondary relaxation. Journal of Chemical Physics, 2002, 117, 6582-6589.	3.0	85
20	Study of molecular dynamics of pharmaceutically important protic ionic liquid-verapamil hydrochloride. I. Test of thermodynamic scaling. Journal of Chemical Physics, 2009, 131, .	3.0	84
21	Inference of the Evolution from Caged Dynamics to Cooperative Relaxation in Glass-Formers from Dielectric Relaxation Data. Journal of Physical Chemistry B, 2003, 107, 6865-6872.	2.6	83
22	Pressure and temperature dependences of the relaxation dynamics of cresolphthalein-dimethylether: Evidence of contributions from thermodynamics and molecular interactions. Journal of Chemical Physics, 2001, 114, 10872-10883.	3.0	82
23	Conductivity Mechanism in Polymerized Imidazolium-Based Protic Ionic Liquid [HSO₃â€“BVIm][OTf]: Dielectric Relaxation Studies. Macromolecules, 2014, 47, 4056-4065.	4.8	81
24	Temperature and volume effects on the change of dynamics in propylene carbonate. Physical Review E, 2004, 70, 061501.	2.1	80
25	Study of the Amorphous Glibenclamide Drug: Analysis of the Molecular Dynamics of Quenched and Cryomilled Material. Molecular Pharmaceutics, 2010, 7, 1692-1707.	4.6	79
26	Molecular Dynamics and Physical Stability of Coamorphous Ezetimib and Indapamide Mixtures. Molecular Pharmaceutics, 2015, 12, 3610-3619.	4.6	78
27	Temperature and Pressure Scaling of theÎ±Relaxation Process in Fragile Glass Formers: A Dynamic Light Scattering Study. Physical Review Letters, 2000, 85, 2140-2143.	7.8	77
28	Does fragility depend on pressure? A dynamic light scattering study of a fragile glass-former. Journal of Chemical Physics, 2001, 114, 8048-8055.	3.0	77
29	Glass Transition Dynamics of Room-Temperature Ionic Liquid 1-Methyl-3-trimethylsilylmethylimidazolium Tetrafluoroborate. Journal of Physical Chemistry B, 2011, 115, 12709-12716.	2.6	77
30	The relative contributions of temperature and volume to structural relaxation of van der Waals molecular liquids. Journal of Chemical Physics, 2003, 118, 4578-4582.	3.0	74
31	Universal Behavior of Dielectric Responses of Glass Formers: Role of Dipole-Dipole Interactions. Physical Review Letters, 2016, 116, 025702.	7.8	73
32	Recent developments in the experimental investigations of relaxations in pharmaceuticals by dielectric techniques at ambient and elevated pressure. Advanced Drug Delivery Reviews, 2016, 100, 158-182.	13.7	73
33	Dynamics of Sorbitol at Elevated Pressure. Journal of Physical Chemistry B, 2002, 106, 12459-12463.	2.6	70
34	Pressure and Temperature Dependence of the Î±-Relaxation in Poly(methyltolylsiloxane). Macromolecules, 2002, 35, 7338-7342.	4.8	68
35	The True Johariâ''Goldstein Î²-Relaxation of Monosaccharides. Journal of Physical Chemistry B, 2006, 110, 25045-25049.	2.6	68
36	Scaling of high-pressure viscosity data in low-molecular-weight glass-forming liquids. Physical Review B, 1999, 60, 2979-2982.	3.2	67

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37	Physicochemical properties of tadalafil solid dispersions â€“ Impact of polymer on the apparent solubility and dissolution rate of tadalafil. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 106-115.	4.3	67
38	Dynamics of Salol at Elevated Pressure. Journal of Physical Chemistry A, 2003, 107, 2369-2373.	2.5	66
39	Dielectric Studies on Mobility of the Glycosidic Linkage in Seven Disaccharides. Journal of Physical Chemistry B, 2008, 112, 12816-12823.	2.6	66
40	The effect of pressure on the structural and secondary relaxations in 1,1â€²-bis (p-methoxyphenyl) cyclohexane. Journal of Chemical Physics, 2002, 117, 2317-2323.	3.0	65
41	Temperature and pressure dependence of the Î±-relaxation in polymethylphenylsiloxane. Journal of Chemical Physics, 2002, 116, 10932-10937.	3.0	65
42	Molecular mobility in liquid and glassy states of Telmisartan (TEL) studied by Broadband Dielectric Spectroscopy. European Journal of Pharmaceutical Sciences, 2009, 38, 395-404.	4.0	65
43	High Pressure as a Key Factor to Identify the Conductivity Mechanism in Protic Ionic Liquids. Physical Review Letters, 2013, 111, 225703.	7.8	65
44	A Relationship between Intermolecular Potential, Thermodynamics, and Dynamic Scaling for a Supercooled Ionic Liquid. Journal of Physical Chemistry Letters, 2010, 1, 987-992.	4.6	64
45	Recent progress on dielectric properties of protic ionic liquids. Journal of Physics Condensed Matter, 2015, 27, 073202.	1.8	64
46	Molecular dynamics of itraconazole at ambient and high pressure. Physical Chemistry Chemical Physics, 2013, 15, 20742.	2.8	62
47	Pressure and temperature dependence of structural relaxation in diglycidylether of bisphenol A. Journal of Chemical Physics, 2003, 118, 3177-3186.	3.0	61
48	Relaxation Dynamics and Crystallization Study of Sildenafil in the Liquid and Glassy States. Molecular Pharmaceutics, 2013, 10, 2270-2282.	4.6	60
49	Negative Pressure Vitrification of the Isochorically Confined Liquid in Nanopores. Physical Review Letters, 2015, 115, 265702.	7.8	60
50	Influence of intermolecular interactions on the sign of dTC/dp in critical solutions. Chemical Physics, 1995, 201, 575-582.	1.9	59
51	Electric permittivity and conductivity of (Na0.5Pb0.5)(Mn0.5Nb0.5)O3 ceramics. Solid State Ionics, 2005, 176, 1439-1447.	2.7	59
52	Dielectric relaxation studies and dissolution behavior of amorphous verapamil hydrochloride. Journal of Pharmaceutical Sciences, 2010, 99, 828-839.	3.3	59
53	Enhancement of Amorphous Celecoxib Stability by Mixing It with Octaacetylmaltose: The Molecular Dynamics Study. Molecular Pharmaceutics, 2012, 9, 894-904.	4.6	59
54	Volume and temperature as control parameters for the dielectric Î± relaxation of polymers and molecular glass formers. Philosophical Magazine, 2004, 84, 1573-1581.	1.6	58

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55	Effect of pressure on fragility and glass transition temperature in fragile glass-former. Journal of Chemical Physics, 1999, 110, 10978-10981.	3.0	57
56	Changes of relaxation dynamics of a hydrogen-bonded glass former after removal of the hydrogen bonds. Journal of Chemical Physics, 2006, 125, 144507.	3.0	57
57	Effect of high pressure on the relaxation dynamics of glass-forming liquids. Journal of Physics Condensed Matter, 2007, 19, 205117.	1.8	57
58	Effects of the volume and temperature on the global and segmental dynamics in poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.1	56
59	Emergence of the genuine Johariâ€“Goldstein secondary relaxation in m-fluoroaniline after suppression of hydrogen-bond-induced clusters by elevating temperature and pressure. Journal of Chemical Physics, 2005, 123, 014502.	3.0	55
60	The influence of amorphization methods on the apparent solubility and dissolution rate of tadalafil. European Journal of Pharmaceutical Sciences, 2014, 62, 132-140.	4.0	55
61	Ion Dynamics under Pressure in an Ionic Liquid. Journal of Physical Chemistry B, 2008, 112, 3110-3114.	2.6	54
62	Physical Stability of the Amorphous Anticholesterol Agent (Ezetimibe): The Role of Molecular Mobility. Molecular Pharmaceutics, 2014, 11, 4280-4290.	4.6	54
63	On the isothermal pressure behaviour of the relaxation times for supercooled glass-forming liquids. Journal of Physics Condensed Matter, 1998, 10, 4131-4138.	1.8	52
64	Molecular Dynamics Studies on the Water Mixtures of Pharmaceutically Important Ionic Liquid Lidocaine HCl. Molecular Pharmaceutics, 2012, 9, 1250-1261.	4.6	52
65	Sub-Rouse Modes in Polymers Observed by Dielectric Spectroscopy. Macromolecules, 2010, 43, 3103-3106.	4.8	51
66	High-pressure and temperature dependence of dielectric relaxation in supercooled di-isobutyl phthalate. Physical Review E, 1996, 54, 4008-4010.	2.1	50
67	Structural and Secondary Relaxations in Supercooled Di-n-butyl Phthalate and Diisobutyl Phthalate at Elevated Pressure. Journal of Physical Chemistry B, 2004, 108, 4997-5003.	2.6	50
68	Characterisation of Pb(Mn1/3Nb2/3)O3 ceramics by SEM, XRD, XPS and dielectric permittivity tests. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 16-24.	3.5	50
69	Enhanced Polymerization Rate and Conductivity of Ionic Liquid-Based Epoxy Resin. Macromolecules, 2017, 50, 3262-3272.	4.8	50
70	Investigation of the correlation between structural relaxation time and configurational entropy under high pressure in a chlorinated biphenyl. Journal of Chemical Physics, 2002, 117, 4901-4906.	3.0	49
71	Segmental- and normal-mode dielectric relaxation of poly(propylene glycol) under pressure. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 3047-3052.	2.1	49
72	Chemical Structure and Local Segmental Dynamics in 1,2-Polybutadiene. Macromolecules, 2003, 36, 4954-4959.	4.8	49

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73	Identifying the Origins of Two Secondary Relaxations in Polysaccharides. Journal of Physical Chemistry B, 2009, 113, 10088-10096.	2.6	49
74	Density scaling in viscous systems near the glass transition. Physical Review E, 2011, 83, 041505.	2.1	49
75	Molecular Dynamics, Physical Stability and Solubility Advantage from Amorphous Indapamide Drug. Molecular Pharmaceutics, 2013, 10, 3612-3627.	4.6	49
76	Heterogeneous Dynamics of Prototypical Ionic Glass CKN Monitored by Physical Aging. Physical Review Letters, 2013, 110, 015702.	7.8	49
77	Decoupling between the Interfacial and Core Molecular Dynamics of Salol in 2D Confinement. Journal of Physical Chemistry C, 2015, 119, 14366-14374.	3.1	49
78	Two secondary modes in decahydroisoquinoline: Which one is the true Johari Goldstein process?. Journal of Chemical Physics, 2005, 122, 234506.	3.0	48
79	Identification of the Molecular Motions Responsible for the Slower Secondary (Î²) Relaxation in Sucrose. Journal of Physical Chemistry B, 2008, 112, 7662-7668.	2.6	48
80	Quantifying the Structural Dynamics of Pharmaceuticals in the Glassy State. Journal of Physical Chemistry Letters, 2012, 3, 1238-1241.	4.6	48
81	Effect of Pressure on Decoupling of Ionic Conductivity from Segmental Dynamics in Polymerized Ionic Liquids. Macromolecules, 2015, 48, 8660-8666.	4.8	48
82	Studies on the Temperature and Time Induced Variation in the Segmental and Chain Dynamics in Poly(propylene glycol) Confined at the Nanoscale. Macromolecules, 2016, 49, 6678-6686.	4.8	48
83	Volume effects on the molecular mobility close to glass transition in supercooled phenylphthalein-dimethylether. II. Journal of Chemical Physics, 2002, 117, 7624-7630.	3.0	47
84	Dielectric and mechanical relaxation of cresolphthaleinâ€“dimethylether. Journal of Chemical Physics, 2002, 117, 1188-1193.	3.0	47
85	On the glass temperature under extreme pressures. Journal of Chemical Physics, 2007, 126, 164504.	3.0	47
86	Glass transition dynamics and conductivity scaling in ionic deep eutectic solvents: The case of (acetamide + lithium nitrate/sodium thiocyanate) melts. Journal of Chemical Physics, 2015, 142, 184504.	3.0	46
87	Influence of temperature and pressure on dielectric relaxation in a supercooled epoxy resin. Physical Review E, 1999, 60, 4444-4452.	2.1	45
88	Analysis of â€œequation of stateâ€•for supercooled liquid. Journal of Chemical Physics, 2000, 113, 4374-4378.	3.0	45
89	Effect of volume changes on segmental relaxation in siloxane polymers. Physical Review E, 2003, 68, 031802.	2.1	43
90	Effect of large hydrostatic pressure on the dielectric loss spectrum of type-Aglass formers. Physical Review E, 2004, 69, 050501.	2.1	43

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91	Communication: Relationships between Intermolecular potential, thermodynamics, and dynamic scaling in viscous systems. Journal of Chemical Physics, 2010, 133, 161101.	3.0	43
92	Investigations of Relaxation Dynamics and Observation of Nearly Constant Loss Phenomena in PEO 20 -LiCF 3 SO 3 -ZrO 2 Based Polymer Nano-Composite Electrolyte. Electrochimica Acta, 2016, 202, 147-156.	5.2	43
93	Stabilization of the Amorphous Ezetimibe Drug by Confining Its Dimension. Molecular Pharmaceutics, 2016, 13, 1308-1316.	4.6	43
94	Isothermal and high-pressure studies of dielectric relaxation in supercooled glycerol. Journal of Physics Condensed Matter, 1996, 8, 10885-10890.	1.8	42
95	Pressure effects on the Î± and Î±â€² relaxations in polymethylphenylsiloxane. Journal of Chemical Physics, 2006, 124, 104901.	3.0	42
96	Effect of Cryogrinding on Chemical Stability of the Sparingly Water-Soluble Drug Furosemide. Pharmaceutical Research, 2011, 28, 3220-3236.	3.5	42
97	Free volume and phase transitions of 1-butyl-3-methylimidazolium based ionic liquids from positron lifetime spectroscopy. Physical Chemistry Chemical Physics, 2012, 14, 6856.	2.8	42
98	Oscillatory shear and high-pressure dielectric study of 5-methyl-3-heptanol. Colloid and Polymer Science, 2014, 292, 1913-1921.	2.1	42
99	Molecular Dynamics Changes Induced by Hydrostatic Pressure in a Supercooled Primary Alcohol. Journal of Physical Chemistry Letters, 2010, 1, 3249-3253.	4.6	41
100	Molecular Origin of Enhanced Proton Conductivity in Anhydrous Ionic Systems. Journal of the American Chemical Society, 2015, 137, 1157-1164.	13.7	41
101	Molecular Dynamics, Recrystallization Behavior, and Water Solubility of the Amorphous Anticancer Agent Bicalutamide and Its Polyvinylpyrrolidone Mixtures. Molecular Pharmaceutics, 2017, 14, 1071-1081.	4.6	41
102	Speed it up, slow it downâ€¦An issue of bicalutamide release from 3D printed tablets. European Journal of Pharmaceutical Sciences, 2020, 143, 105169.	4.0	41
103	Cohen-Grest model for the dynamics of supercooled liquids. Physical Review E, 2003, 67, 021508.	2.1	40
104	A New Method To Identify Physically Stable Concentration of Amorphous Solid Dispersions (I): Case of Flutamide + Kollidon VA64. Molecular Pharmaceutics, 2017, 14, 3370-3380.	4.6	40
105	Effect of amorphization method on telmisartan solubility and the tableting process. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 83, 114-121.	4.3	39
106	Structure and thermal properties of salicylate-based-protic ionic liquids as new heat storage media. COSMO-RS structure characterization and modeling of heat capacities. Physical Chemistry Chemical Physics, 2014, 16, 3549.	2.8	39
107	Interplay between Core and Interfacial Mobility and Its Impact on the Measured Glass Transition: Dielectric and Calorimetric Studies. Journal of Physical Chemistry C, 2016, 120, 7373-7380.	3.1	39
108	Test of the fractional Debye-Stokes-Einstein equation in low-molecular-weight glass-forming liquids under condition of high compression. Physical Review E, 2001, 63, 062301.	2.1	38

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109	Do Intermolecular Interactions Control Crystallization Abilities of Glass-Forming Liquids?. Journal of Physical Chemistry B, 2011, 115, 11537-11547.	2.6	38
110	Effect of High Pressure on Crystallization Kinetics of van der Waals Liquid: An Experimental and Theoretical Study. Crystal Growth and Design, 2014, 14, 2097-2104.	3.0	38
111	Glass-Forming Tendency of Molecular Liquids and the Strength of the Intermolecular Attractions. Scientific Reports, 2016, 6, 36934.	3.3	38
112	Effect of temperature, pressure and volume on long time relaxation dynamics in fragile glass-forming liquid. Journal of Chemical Physics, 2001, 115, 10029-10035.	3.0	37
113	Test of the Einstein-Debye Relation in Supercooled Dibutylphthalate at Pressures up to 1.4ÂGPa. Physical Review Letters, 2003, 90, 175702.	7.8	37
114	Dispersion of the Structural Relaxation and the Vitrification of Liquids. Advances in Chemical Physics, 2006, , 497-593.	0.3	37
115	The Liquidâ^'Glass and Liquidâ^'Liquid Transitions of TPP at Elevated Pressure. Journal of Physical Chemistry B, 2008, 112, 10383-10385.	2.6	37
116	Mutarotation in <scp>d</scp>-Fructose Melt Monitored by Dielectric Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 4379-4383.	2.6	37
117	Observation of highly decoupled conductivity in protic ionic conductors. Physical Chemistry Chemical Physics, 2014, 16, 9123-9127.	2.8	37
118	Molecular Dynamics and Physical Stability of Amorphous Nimesulide Drug and Its Binary Drugâ€“Polymer Systems. Molecular Pharmaceutics, 2016, 13, 1937-1946.	4.6	37
119	Dielectric relaxation behavior in antiferroelectric metal organic framework [(CH₃)₂NH₂][Fe^{III}Fe^{II}(HCOO)₆] single crystals. Physical Chemistry Chemical Physics, 2016, 18, 8462-8467.	2.8	37
120	Predicting Nanoscale Dynamics of a Glass-Forming Liquid from Its Macroscopic Bulk Behavior and Vice Versa. Journal of Physical Chemistry Letters, 2017, 8, 696-702.	4.6	37
121	Co-Stabilization of Amorphous Pharmaceuticalsâ€”The Case of Nifedipine and Nimodipine. Molecular Pharmaceutics, 2018, 15, 2455-2465.	4.6	37
122	Dynamic light scattering studies of supercooled phenylphthaleinâ€“dimethylether dynamics under high pressure. Journal of Chemical Physics, 2002, 117, 2192-2198.	3.0	36
123	Decoupling of conductivity relaxation from structural relaxation in protic ionic liquids and general properties. Physical Chemistry Chemical Physics, 2013, 15, 9205.	2.8	36
124	Toward a Better Understanding of the Physical Stability of Amorphous Anti-Inflammatory Agents: The Roles of Molecular Mobility and Molecular Interaction Patterns. Molecular Pharmaceutics, 2015, 12, 3628-3638.	4.6	36
125	Planetary ball milling and supercritical fluid technology as a way to enhance dissolution of bicalutamide. International Journal of Pharmaceutics, 2017, 533, 470-479.	5.2	36
126	Consequences of an Equation of State in the Thermodynamic Scaling Regime. Journal of Physical Chemistry B, 2009, 113, 7419-7422.	2.6	35

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127	Toward Better Understanding Crystallization of Supercooled Liquids under Compression: Isochronal Crystallization Kinetics Approach. Crystal Growth and Design, 2013, 13, 4648-4654.	3.0	35
128	The peculiar behavior of the molecular dynamics of a glass-forming liquid confined in native porous materials â€“ the role of negative pressure. Physical Chemistry Chemical Physics, 2016, 18, 23709-23714.	2.8	35
129	The Role of Interfacial Energy and Specific Interactions on the Behavior of Poly(propylene glycol) Derivatives under 2D Confinement. Macromolecules, 2018, 51, 4840-4852.	4.8	35
130	Density Scaling of Supercooled Simple Liquids Near the Glass Transition. Journal of Physical Chemistry B, 2010, 114, 11544-11551.	2.6	34
131	On the origin of ferroelectric structural phases in perovskite-like metalâ€“organic formate. Journal of Materials Chemistry C, 2018, 6, 9420-9429.	5.5	34
132	On the pressure dependence of the fragility of glycerol. Journal of Physics Condensed Matter, 2009, 21, 332101.	1.8	33
133	Dielectric Relaxation Study on Tramadol Monohydrate and Its Hydrochloride Salt. Journal of Pharmaceutical Sciences, 2010, 99, 94-106.	3.3	33
134	Molecular Dynamics in Supercooled Liquid and Glassy States of Antibiotics: Azithromycin, Clarithromycin and Roxithromycin Studied by Dielectric Spectroscopy. Advantages Given by the Amorphous State. Molecular Pharmaceutics, 2012, 9, 1748-1763.	4.6	33
135	Check of the temperature- and pressure-dependent Cohenâ€“Grest equation. Chemical Physics Letters, 2000, 320, 113-117.	2.6	32
136	Scaling behavior of the Î± relaxation in fragile glass-forming liquids under conditions of high compression. Physical Review E, 2000, 61, 526-531.	2.1	32
137	Origin of the Commonly Observed Secondary Relaxation Process in Saccharides. Journal of Physical Chemistry B, 2010, 114, 11272-11281.	2.6	32
138	Glass formability in medium-sized molecular systems/pharmaceuticals. I. Thermodynamics vs. kinetics. Journal of Chemical Physics, 2016, 144, 174502.	3.0	32
139	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. Chemistry of Materials, 2017, 29, 8082-8092.	6.7	32
140	Fundamentals of ionic conductivity relaxation gained from study of procaine hydrochloride and procainamide hydrochloride at ambient and elevated pressure. Journal of Chemical Physics, 2012, 136, 164507.	3.0	31
141	Effect of Compression on the Relationship between Viscosity and Dielectric Relaxation Time in Hydrogen-Bonded Primary Alcohols. Physical Review Letters, 2013, 110, 173004.	7.8	31
142	General rules prospected for the liquid fragility in various material groups and different thermodynamic conditions. Journal of Chemical Physics, 2014, 141, 134507.	3.0	31
143	Atorvastatin as a Promising Crystallization Inhibitor of Amorphous Probucol: Dielectric Studies at Ambient and Elevated Pressure. Molecular Pharmaceutics, 2017, 14, 2670-2680.	4.6	31
144	Dielectric relaxation of glass-forming epoxy resin under high pressure. Physical Review E, 1997, 56, 5764-5767.	2.1	30

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145	Decoupling of the dc conductivity and (Î±-) structural relaxation time in a fragile glass-forming liquid under high pressure. Journal of Chemical Physics, 2002, 116, 9882-9888.	3.0	30
146	The dynamics crossover region in phenol- and cresol-phthalein-dimethylethers under different conditions of pressure and temperature. Journal of Physics Condensed Matter, 2003, 15, S859-S867.	1.8	30
147	Molecular Dynamics of the Supercooled Pharmaceutical Agent Posaconazole Studied via Differential Scanning Calorimetry and Dielectric and Mechanical Spectroscopies. Molecular Pharmaceutics, 2013, 10, 3934-3945.	4.6	30
148	Isothermal Cold Crystallization Kinetics Study of Sildenafil. Crystal Growth and Design, 2014, 14, 3199-3209.	3.0	30
149	Studying the Impact of Modified Saccharides on the Molecular Dynamics and Crystallization Tendencies of Model API Nifedipine. Molecular Pharmaceutics, 2015, 12, 3007-3019.	4.6	30
150	Temperature and pressure dependences of the structural dynamics: an interpretation of Vogelâ€“Fulcher behavior in terms of the Adamâ€“Gibbs model. Journal of Molecular Liquids, 2004, 111, 53-60.	4.9	29
151	Universal critical-like scaling of dynamic properties in symmetry-selected glass formers. Journal of Chemical Physics, 2008, 129, 184509.	3.0	29
152	How do high pressures change the Debye process of 4-methyl-3-heptanol?. Journal of Chemical Physics, 2013, 139, 064501.	3.0	29
153	Isochronal superposition and density scaling of the intermolecular dynamics in glass-forming liquids with varying hydrogen bonding propensity. RSC Advances, 2016, 6, 49370-49375.	3.6	29
154	A new approach to description of the pressure dependence of viscosity. Journal of Non-Crystalline Solids, 2009, 355, 733-736.	3.1	28
155	High pressure study of molecular dynamics of protic ionic liquid lidocaine hydrochloride. Journal of Chemical Physics, 2012, 136, 224501.	3.0	28
156	Scaling of volumetric data in model systems based on the Lennard-Jones potential. Physical Review E, 2012, 86, 031501.	2.1	28
157	Communication: Synperiplanar to antiperiplanar conformation changes as underlying the mechanism of Debye process in supercooled ibuprofen. Journal of Chemical Physics, 2013, 139, 111103.	3.0	28
158	Following kinetics and dynamics of DGEBA-aniline polymerization inÂnanoporous native alumina oxide membranes â€“ FTIR andÂdielectricÂstudies. Polymer, 2015, 68, 253-261.	3.8	28
159	How Different Molecular Architectures Influence the Dynamics of H-Bonded Structures in Glass-Forming Monohydroxy Alcohols. Journal of Physical Chemistry B, 2016, 120, 5744-5752.	2.6	28
160	Molecular Factors Governing the Liquid and Glassy States Recrystallization of Celecoxib in Binary Mixtures with Excipients of Different Molecular Weights. Molecular Pharmaceutics, 2017, 14, 1154-1168.	4.6	28
161	Formation of new polymorphs and control of crystallization in molecular glass-formers by electric field. Physical Chemistry Chemical Physics, 2018, 20, 925-931.	2.8	28
162	Effect of glass structure on the dynamics of the secondary relaxation in diisobutyl and diisoctyl phthalates. Physical Review B, 2005, 72, .	3.2	27

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163	Dielectric relaxation processes in water mixtures of tripropylene glycol. Journal of Chemical Physics, 2005, 123, 204506.	3.0	27
164	Comprehensive studies on physical and chemical stability in liquid and glassy states of telmisartan (TEL): solubility advantages given by cryomilled and quenched material. Philosophical Magazine, 2011, 91, 1926-1948.	1.6	27
165	On the scaling behavior of electric conductivity in [C₄mim][NTf₂]. Physical Chemistry Chemical Physics, 2014, 16, 20444-20450.	2.8	27
166	Communication: Slow supramolecular mode in amine and thiol derivatives of 2-ethyl-1-hexanol revealed by combined dielectric and shear-mechanical studies. Journal of Chemical Physics, 2015, 143, 181102.	3.0	27
167	Theoretical Model for the Structural Relaxation Time in Coamorphous Drugs. Molecular Pharmaceutics, 2019, 16, 2992-2998.	4.6	27
168	The influence of pressure on dielectric relaxation for phthalate derivatives in the supercooled state. Journal of Physics Condensed Matter, 1997, 9, 5485-5494.	1.8	26
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