

Marian Paluch

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509
papers

12,406
citations

53
h-index

82
g-index

522
ext. papers

13,464
ext. citations

4.2
avg, IF

6.62
L-index

#	Paper	IF	Citations
509	Classification of secondary relaxation in glass-formers based on dynamic properties. <i>Journal of Chemical Physics</i> , 2004 , 120, 857-73	3.9	667
508	Supercooled dynamics of glass-forming liquids and polymers under hydrostatic pressure. <i>Reports on Progress in Physics</i> , 2005 , 68, 1405-1478	14.4	563
507	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, 17356-60	3.4	200
506	Electric modulus approach to the analysis of electric relaxation in highly conducting (Na _{0.75} Bi _{0.25})(Mn _{0.25} Nb _{0.75})O ₃ ceramics. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 1450-1460	3	184
505	Molecular Dynamics of Glass-Forming Systems. <i>Advances in Dielectrics</i> , 2011 ,	0.6	170
504	Does the arrhenius temperature dependence of the Johari-Goldstein relaxation persist above T(g)?. <i>Physical Review Letters</i> , 2003 , 91, 115701	7.4	157
503	Many-Body Nature of Relaxation Processes in Glass-Forming Systems. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 735-43	6.4	149
502	3D printed orodispersible films with Aripiprazole. <i>International Journal of Pharmaceutics</i> , 2017 , 533, 413-420	4.3	137
501	Broadband dielectric relaxation study at ambient and elevated pressure of molecular dynamics of pharmaceutical: indomethacin. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 12536-45	3.4	116
500	Relative contributions of thermal energy and free volume to the temperature dependence of structural relaxation in fragile glass-forming liquids. <i>Physical Review B</i> , 2002 , 66,	3.3	107
499	Correlation between primary and secondary Johari-Goldstein relaxations in supercooled liquids: invariance to changes in thermodynamic conditions. <i>Journal of Chemical Physics</i> , 2008 , 128, 044512	3.9	104
498	Molecular dynamics and physical stability of amorphous anti-inflammatory drug: celecoxib. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 12792-801	3.4	101
497	Scaling of viscous dynamics in simple liquids: theory, simulation and experiment. <i>New Journal of Physics</i> , 2012 , 14, 113035	2.9	99
496	Effect of pressure on the β relaxation in glycerol and xylitol. <i>Journal of Chemical Physics</i> , 2002 , 116, 9839-9844	3.9	97
495	Dielectric relaxation and crystallization kinetics of ibuprofen at ambient and elevated pressure. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6579-93	3.4	94
494	Isochronal temperature-pressure superpositioning of the β relaxation in type-A glass formers. <i>Chemical Physics Letters</i> , 2003 , 367, 259-264	2.5	93
493	Dynamic crossover in supercooled liquids induced by high pressure. <i>Journal of Chemical Physics</i> , 2003 , 118, 5701-5703	3.9	83

492	Pressure and temperature dependences of the relaxation dynamics of cresolphthalein-dimethylether: Evidence of contributions from thermodynamics and molecular interactions. <i>Journal of Chemical Physics</i> , 2001 , 114, 10872-10883	3.9	79
491	Inference of the Evolution from Caged Dynamics to Cooperative Relaxation in Glass-Formers from Dielectric Relaxation Data. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 6865-6872	3.4	78
490	Study of the amorphous glibenclamide drug: analysis of the molecular dynamics of quenched and cryomilled material. <i>Molecular Pharmaceutics</i> , 2010 , 7, 1692-707	5.6	76
489	Study of molecular dynamics of pharmaceutically important protic ionic liquid-verapamil hydrochloride. I. Test of thermodynamic scaling. <i>Journal of Chemical Physics</i> , 2009 , 131, 104505	3.9	75
488	Temperature and volume effects on the change of dynamics in propylene carbonate. <i>Physical Review E</i> , 2004 , 70, 061501	2.4	74
487	Conductivity Mechanism in Polymerized Imidazolium-Based Protic Ionic Liquid [HSO ₃ BVIm][OTf]: Dielectric Relaxation Studies. <i>Macromolecules</i> , 2014 , 47, 4056-4065	5.5	73
486	Glass transition dynamics of room-temperature ionic liquid 1-methyl-3-trimethylsilylmethylimidazolium tetrafluoroborate. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 12709-16	3.4	73
485	Dynamics in supercooled polyalcohols: Primary and secondary relaxation. <i>Journal of Chemical Physics</i> , 2002 , 117, 6582-6589	3.9	72
484	Temperature and pressure scaling of the alpha relaxation process in fragile glass formers: A dynamic light scattering study. <i>Physical Review Letters</i> , 2000 , 85, 2140-3	7.4	71
483	Polyisobutylene: A most unusual polymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 1390-1399	2.6	69
482	Does fragility depend on pressure? A dynamic light scattering study of a fragile glass-former. <i>Journal of Chemical Physics</i> , 2001 , 114, 8048-8055	3.9	69
481	The relative contributions of temperature and volume to structural relaxation of van der Waals molecular liquids. <i>Journal of Chemical Physics</i> , 2003 , 118, 4578-4582	3.9	68
480	Dynamics of Sorbitol at Elevated Pressure. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 12459-12463	3.4	66
479	Pressure and Temperature Dependence of the β Relaxation in Poly(methyltolylsiloxane). <i>Macromolecules</i> , 2002 , 35, 7338-7342	5.5	65
478	The true Johari-Goldstein beta-relaxation of monosaccharides. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25045-9	3.4	63
477	Molecular Dynamics and Physical Stability of Coamorphous Ezetimib and Indapamide Mixtures. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3610-9	5.6	62
476	The effect of pressure on the structural and secondary relaxations in 1,1'-bis (p-methoxyphenyl) cyclohexane. <i>Journal of Chemical Physics</i> , 2002 , 117, 2317-2323	3.9	62
475	Temperature and pressure dependence of the β relaxation in polymethylphenylsiloxane. <i>Journal of Chemical Physics</i> , 2002 , 116, 10932-10937	3.9	62

474	Scaling of high-pressure viscosity data in low-molecular-weight glass-forming liquids. <i>Physical Review B</i> , 1999 , 60, 2979-2982	3.3	62
473	Physicochemical properties of tadalafil solid dispersions - Impact of polymer on the apparent solubility and dissolution rate of tadalafil. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 106-15	5.7	61
472	Dielectric studies on mobility of the glycosidic linkage in seven disaccharides. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12816-23	3.4	61
471	Dynamics of Salol at Elevated Pressure. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 2369-2373	2.8	61
470	High pressure as a key factor to identify the conductivity mechanism in protic ionic liquids. <i>Physical Review Letters</i> , 2013 , 111, 225703	7.4	59
469	A Relationship between Intermolecular Potential, Thermodynamics, and Dynamic Scaling for a Supercooled Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 987-992	6.4	59
468	Universal Behavior of Dielectric Responses of Glass Formers: Role of Dipole-Dipole Interactions. <i>Physical Review Letters</i> , 2016 , 116, 025702	7.4	57
467	Volume and temperature as control parameters for the dielectric relaxation of polymers and molecular glass formers. <i>Philosophical Magazine</i> , 2004 , 84, 1573-1581	1.6	57
466	Pressure and temperature dependence of structural relaxation in diglycidylether of bisphenol A. <i>Journal of Chemical Physics</i> , 2003 , 118, 3177-3186	3.9	57
465	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, 158-82	18.5	56
464	Molecular mobility in liquid and glassy states of telmisartan (TEL) studied by broadband dielectric spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 38, 395-404	5.1	56
463	Influence of intermolecular interactions on the sign of dTC/dp in critical solutions. <i>Chemical Physics</i> , 1995 , 201, 575-582	2.3	56
462	Molecular dynamics of itraconazole at ambient and high pressure. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20742-52	3.6	54
461	Effects of the volume and temperature on the global and segmental dynamics in poly(propylene glycol) and 1,4-polyisoprene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 4313-4319	2.6	54
460	Negative Pressure Vitrification of the Isochorically Confined Liquid in Nanopores. <i>Physical Review Letters</i> , 2015 , 115, 265702	7.4	53
459	Relaxation dynamics and crystallization study of sildenafil in the liquid and glassy states. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2270-82	5.6	53
458	Dielectric relaxation studies and dissolution behavior of amorphous verapamil hydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 828-39	3.9	53
457	Electric permittivity and conductivity of (Na _{0.5} Pb _{0.5})(Mn _{0.5} Nb _{0.5})O ₃ ceramics. <i>Solid State Ionics</i> , 2005 , 176, 1439-1447	3.3	53

456	Effect of pressure on fragility and glass transition temperature in fragile glass-former. <i>Journal of Chemical Physics</i> , 1999 , 110, 10978-10981	3.9	52
455	Changes of relaxation dynamics of a hydrogen-bonded glass former after removal of the hydrogen bonds. <i>Journal of Chemical Physics</i> , 2006 , 125, 144507	3.9	50
454	Emergence of the genuine Johari-Goldstein secondary relaxation in m-fluoroaniline after suppression of hydrogen-bond-induced clusters by elevating temperature and pressure. <i>Journal of Chemical Physics</i> , 2005 , 123, 014502	3.9	50
453	Enhancement of amorphous celecoxib stability by mixing it with octaacetylmaltose: the molecular dynamics study. <i>Molecular Pharmaceutics</i> , 2012 , 9, 894-904	5.6	49
452	Effect of high pressure on the relaxation dynamics of glass-forming liquids. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 205117	1.8	49
451	On the isothermal pressure behaviour of the relaxation times for supercooled glass-forming liquids. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 4131-4138	1.8	49
450	Characterisation of Pb(Mn _{1/3} Nb _{2/3})O ₃ ceramics by SEM, XRD, XPS and dielectric permittivity tests. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 128, 16-24	3.1	48
449	High-pressure and temperature dependence of dielectric relaxation in supercooled di-isobutyl phthalate. <i>Physical Review E</i> , 1996 , 54, 4008-4010	2.4	48
448	Density scaling in viscous systems near the glass transition. <i>Physical Review E</i> , 2011 , 83, 041505	2.4	47
447	Ion dynamics under pressure in an ionic liquid. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3110-4	3.4	47
446	The influence of amorphization methods on the apparent solubility and dissolution rate of tadalafil. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 62, 132-40	5.1	46
445	Recent progress on dielectric properties of protic ionic liquids. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 073202	1.8	46
444	Physical stability of the amorphous anticholesterol agent (ezetimibe): the role of molecular mobility. <i>Molecular Pharmaceutics</i> , 2014 , 11, 4280-90	5.6	46
443	Segmental- and normal-mode dielectric relaxation of poly(propylene glycol) under pressure. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 3047-3052	2.6	46
442	Investigation of the correlation between structural relaxation time and configurational entropy under high pressure in a chlorinated biphenyl. <i>Journal of Chemical Physics</i> , 2002 , 117, 4901-4906	3.9	46
441	Dielectric and mechanical relaxation of cresolphthalein dimethylether. <i>Journal of Chemical Physics</i> , 2002 , 117, 1188-1193	3.9	46
440	Identification of the molecular motions responsible for the slower secondary (beta) relaxation in sucrose. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 7662-8	3.4	45
439	Structural and Secondary Relaxations in Supercooled Di-n-butyl Phthalate and Diisobutyl Phthalate at Elevated Pressure. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4997-5003	3.4	45

438	Chemical Structure and Local Segmental Dynamics in 1,2-Polybutadiene. <i>Macromolecules</i> , 2003 , 36, 4954-4959	4.5	45
437	Molecular dynamics studies on the water mixtures of pharmaceutically important ionic liquid lidocaine HCl. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1250-61	5.6	44
436	Volume effects on the molecular mobility close to glass transition in supercooled phenylphthalein-dimethylether. II. <i>Journal of Chemical Physics</i> , 2002 , 117, 7624-7630	3.9	44
435	Analysis of Equation of state for supercooled liquid. <i>Journal of Chemical Physics</i> , 2000 , 113, 4374-4378	3.9	44
434	Decoupling between the Interfacial and Core Molecular Dynamics of Salol in 2D Confinement. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 14366-14374	3.8	43
433	Quantifying the Structural Dynamics of Pharmaceuticals in the Glassy State. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1238-41	6.4	43
432	Heterogeneous dynamics of prototypical ionic glass CKN monitored by physical aging. <i>Physical Review Letters</i> , 2013 , 110, 015702	7.4	43
431	Identifying the origins of two secondary relaxations in polysaccharides. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 10088-96	3.4	43
430	Two secondary modes in decahydroisoquinoline: which one is the true Johari Goldstein process?. <i>Journal of Chemical Physics</i> , 2005 , 122, 234506	3.9	43
429	Effect of Pressure on Decoupling of Ionic Conductivity from Segmental Dynamics in Polymerized Ionic Liquids. <i>Macromolecules</i> , 2015 , 48, 8660-8666	5.5	42
428	Molecular dynamics, physical stability and solubility advantage from amorphous indapamide drug. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3612-27	5.6	42
427	Communication: Relationships between Intermolecular potential, thermodynamics, and dynamic scaling in viscous systems. <i>Journal of Chemical Physics</i> , 2010 , 133, 161101	3.9	42
426	Sub-Rouse Modes in Polymers Observed by Dielectric Spectroscopy. <i>Macromolecules</i> , 2010 , 43, 3103-3106	5.5	42
425	Influence of temperature and pressure on dielectric relaxation in a supercooled epoxy resin. <i>Physical Review E</i> , 1999 , 60, 4444-52	2.4	42
424	Isothermal and high-pressure studies of dielectric relaxation in supercooled glycerol. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 10885-10890	1.8	41
423	Studies on the Temperature and Time Induced Variation in the Segmental and Chain Dynamics in Poly(propylene glycol) Confined at the Nanoscale. <i>Macromolecules</i> , 2016 , 49, 6678-6686	5.5	40
422	On the glass temperature under extreme pressures. <i>Journal of Chemical Physics</i> , 2007 , 126, 164504	3.9	40
421	Effect of large hydrostatic pressure on the dielectric loss spectrum of type- a glass formers. <i>Physical Review E</i> , 2004 , 69, 050501	2.4	40

420	Cohen-Grest model for the dynamics of supercooled liquids. <i>Physical Review E</i> , 2003 , 67, 021508	2.4	39
419	Free volume and phase transitions of 1-butyl-3-methylimidazolium based ionic liquids from positron lifetime spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6856-68	3.6	38
418	Molecular Dynamics Changes Induced by Hydrostatic Pressure in a Supercooled Primary Alcohol. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3249-3253	6.4	38
417	Effect of volume changes on segmental relaxation in siloxane polymers. <i>Physical Review E</i> , 2003 , 68, 031802	3.0	38
416	Enhanced Polymerization Rate and Conductivity of Ionic Liquid-Based Epoxy Resin. <i>Macromolecules</i> , 2017 , 50, 3262-3272	5.5	37
415	Glass transition dynamics and conductivity scaling in ionic deep eutectic solvents: The case of (acetamide + lithium nitrate/sodium thiocyanate) melts. <i>Journal of Chemical Physics</i> , 2015 , 142, 184504	3.9	37
414	Molecular origin of enhanced proton conductivity in anhydrous ionic systems. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1157-64	16.4	37
413	Mutarotation in D-fructose melt monitored by dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 4379-83	3.4	37
412	Test of the Einstein-Debye relation in supercooled dibutylphthalate at pressures up to 1.4 GPa. <i>Physical Review Letters</i> , 2003 , 90, 175702	7.4	37
411	Stabilization of the Amorphous Ezetimibe Drug by Confining Its Dimension. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1308-16	5.6	36
410	Test of the fractional Debye-Stokes-Einstein equation in low-molecular-weight glass-forming liquids under condition of high compression. <i>Physical Review E</i> , 2001 , 63, 062301	2.4	36
409	Effect of temperature, pressure and volume on long time relaxation dynamics in fragile glass-forming liquid. <i>Journal of Chemical Physics</i> , 2001 , 115, 10029-10035	3.9	36
408	Molecular Dynamics, Recrystallization Behavior, and Water Solubility of the Amorphous Anticancer Agent Bicalutamide and Its Polyvinylpyrrolidone Mixtures. <i>Molecular Pharmaceutics</i> , 2017 , 14, 1071-1081	5.6	35
407	Effect of High Pressure on Crystallization Kinetics of van der Waals Liquid: An Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2014 , 14, 2097-2104	3.5	35
406	Decoupling of conductivity relaxation from structural relaxation in protic ionic liquids and general properties. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 9205-11	3.6	35
405	Pressure effects on the alpha and alpha' relaxations in polymethylphenylsiloxane. <i>Journal of Chemical Physics</i> , 2006 , 124, 104901	3.9	35
404	Dielectric relaxation behavior in antiferroelectric metal organic framework [(CH ₃) ₂ NH ₂][Fe(III)Fe(II)(HCOO) ₆] single crystals. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8462-7	3.6	34
403	Oscillatory shear and high-pressure dielectric study of 5-methyl-3-heptanol. <i>Colloid and Polymer Science</i> , 2014 , 292, 1913-1921	2.4	34

402	Observation of highly decoupled conductivity in protic ionic conductors. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 9123-7	3.6	34
401	Effect of cryogrinding on chemical stability of the sparingly water-soluble drug furosemide. <i>Pharmaceutical Research</i> , 2011 , 28, 3220-36	4.5	34
400	Do intermolecular interactions control crystallization abilities of glass-forming liquids?. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11537-47	3.4	34
399	Dispersion of the Structural Relaxation and the Vitrification of Liquids. <i>Advances in Chemical Physics</i> , 2006 , 497-593		34
398	Toward a Better Understanding of the Physical Stability of Amorphous Anti-Inflammatory Agents: The Roles of Molecular Mobility and Molecular Interaction Patterns. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3628-38	5.6	33
397	Interplay between Core and Interfacial Mobility and Its Impact on the Measured Glass Transition: Dielectric and Calorimetric Studies. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7373-7380	3.8	33
396	Toward Better Understanding Crystallization of Supercooled Liquids under Compression: Isochronal Crystallization Kinetics Approach. <i>Crystal Growth and Design</i> , 2013 , 13, 4648-4654	3.5	33
395	Effect of amorphization method on telmisartan solubility and the tableting process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 83, 114-21	5.7	33
394	Consequences of an equation of state in the thermodynamic scaling regime. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 7419-22	3.4	33
393	Dynamic light scattering studies of supercooled phenylphthalein dimethylether dynamics under high pressure. <i>Journal of Chemical Physics</i> , 2002 , 117, 2192-2198	3.9	33
392	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. <i>Electrochimica Acta</i> , 2016 , 202, 147-156	6.7	33
391	Predicting Nanoscale Dynamics of a Glass-Forming Liquid from Its Macroscopic Bulk Behavior and Vice Versa. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 696-702	6.4	32
390	Molecular Dynamics and Physical Stability of Amorphous Nimesulide Drug and Its Binary Drug-Polymer Systems. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1937-46	5.6	32
389	Co-Stabilization of Amorphous Pharmaceuticals-The Case of Nifedipine and Nimodipine. <i>Molecular Pharmaceutics</i> , 2018 , 15, 2455-2465	5.6	31
388	Origin of the commonly observed secondary relaxation process in saccharides. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11272-81	3.4	31
387	Density scaling of supercooled simple liquids near the glass transition. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11544-51	3.4	31
386	Check of the temperature- and pressure-dependent Cohen-Crest equation. <i>Chemical Physics Letters</i> , 2000 , 320, 113-117	2.5	31
385	Scaling behavior of the alpha relaxation in fragile glass-forming liquids under conditions of high compression. <i>Physical Review E</i> , 2000 , 61, 526-31	2.4	31

384	The peculiar behavior of the molecular dynamics of a glass-forming liquid confined in native porous materials - the role of negative pressure. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23709-14	3.6	31
383	Structure and thermal properties of salicylate-based-protic ionic liquids as new heat storage media. COSMO-RS structure characterization and modeling of heat capacities. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3549-57	3.6	30
382	Molecular dynamics in supercooled liquid and glassy states of antibiotics: azithromycin, clarithromycin and roxithromycin studied by dielectric spectroscopy. Advantages given by the amorphous state. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1748-63	5.6	30
381	Effect of compression on the relationship between viscosity and dielectric relaxation time in hydrogen-bonded primary alcohols. <i>Physical Review Letters</i> , 2013 , 110, 173004	7.4	30
380	Glass-Forming Tendency of Molecular Liquids and the Strength of the Intermolecular Attractions. <i>Scientific Reports</i> , 2016 , 6, 36934	4.9	30
379	Planetary ball milling and supercritical fluid technology as a way to enhance dissolution of bicalutamide. <i>International Journal of Pharmaceutics</i> , 2017 , 533, 470-479	6.5	29
378	The Role of Interfacial Energy and Specific Interactions on the Behavior of Poly(propylene glycol) Derivatives under 2D Confinement. <i>Macromolecules</i> , 2018 , 51, 4840-4852	5.5	29
377	A New Method To Identify Physically Stable Concentration of Amorphous Solid Dispersions (I): Case of Flutamide + Kollidon VA64. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3370-3380	5.6	29
376	On the pressure dependence of the fragility of glycerol. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 332101	1.8	29
375	Dielectric relaxation study on tramadol monohydrate and its hydrochloride salt. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 94-106	3.9	29
374	Dielectric relaxation of glass-forming epoxy resin under high pressure. <i>Physical Review E</i> , 1997 , 56, 5764-5767	5.7	29
373	The dynamics crossover region in phenol- and cresol-phthalein-dimethylethers under different conditions of pressure and temperature. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S859-S867	1.8	29
372	Decoupling of the dc conductivity and (τ) structural relaxation time in a fragile glass-forming liquid under high pressure. <i>Journal of Chemical Physics</i> , 2002 , 116, 9882-9888	3.9	29
371	On the origin of ferroelectric structural phases in perovskite-like metalorganic formate. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9420-9429	7.1	28
370	The liquid-glass and liquid-liquid transitions of TPP at elevated pressure. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10383-5	3.4	28
369	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. <i>Chemistry of Materials</i> , 2017 , 29, 8082-8092	9.6	27
368	Fundamentals of ionic conductivity relaxation gained from study of procaine hydrochloride and procainamide hydrochloride at ambient and elevated pressure. <i>Journal of Chemical Physics</i> , 2012 , 136, 164507	3.9	27
367	On the scaling behavior of electric conductivity in [C4mim][NTf2]. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20444-50	3.6	26

366	Molecular dynamics of the supercooled pharmaceutical agent posaconazole studied via differential scanning calorimetry and dielectric and mechanical spectroscopies. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3934-45	5.6	26
365	Scaling of volumetric data in model systems based on the Lennard-Jones potential. <i>Physical Review E</i> , 2012 , 86, 031501	2.4	26
364	A new way of stabilization of furosemide upon cryogenic grinding by using acylated saccharides matrices. The role of hydrogen bonds in decomposition mechanism. <i>Molecular Pharmaceutics</i> , 2013 , 10, 1824-35	5.6	26
363	Temperature and pressure dependences of the structural dynamics: an interpretation of Vogel-Fulcher behavior in terms of the Adam-Gibbs model. <i>Journal of Molecular Liquids</i> , 2004 , 111, 53-60	6	26
362	Effect of glass structure on the dynamics of the secondary relaxation in diisobutyl and diisooctyl phthalates. <i>Physical Review B</i> , 2005 , 72,	3.3	26
361	Studying the Impact of Modified Saccharides on the Molecular Dynamics and Crystallization Tendencies of Model API Nifedipine. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3007-19	5.6	25
360	Isothermal Cold Crystallization Kinetics Study of Sildenafil. <i>Crystal Growth and Design</i> , 2014 , 14, 3199-3209	3.9	25
359	How do high pressures change the Debye process of 4-methyl-3-heptanol?. <i>Journal of Chemical Physics</i> , 2013 , 139, 064501	3.9	25
358	Communication: Synperiplanar to antiperiplanar conformation changes as underlying the mechanism of Debye process in supercooled ibuprofen. <i>Journal of Chemical Physics</i> , 2013 , 139, 111103	3.9	25
357	General rules prospected for the liquid fragility in various material groups and different thermodynamic conditions. <i>Journal of Chemical Physics</i> , 2014 , 141, 134507	3.9	25
356	The influence of pressure on dielectric relaxation for phthalate derivatives in the supercooled state. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 5485-5494	1.8	25
355	Universal critical-like scaling of dynamic properties in symmetry-selected glass formers. <i>Journal of Chemical Physics</i> , 2008 , 129, 184509	3.9	25
354	Characterization and identification of the nature of two different kinds of secondary relaxation in one glass-former. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4672-4678	3.9	25
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