Kamil Kaminski

List of Publications by Year in Descending Order

171 papers	2,909 citations	29 h-index	41 g-index
178 ext. papers	3,196 ext. citations	4.3 avg, IF	5.01 L-index

#	Paper	IF	Citations
171	Variation in the local ordering, H-bonding pattern and molecular dynamics in the pressure densified ritonavir. *Journal of Molecular Liquids*, **2022**, 351, 118666	6	
170	Sugar decorated star-shaped (co)polymers with resveratrol-based core physicochemical and biological properties. *Journal of Materials Science*, **2022**, 57, 2257	4.3	0
169	Aromaticity effect on supramolecular aggregation. Aromatic vs. cyclic monohydroxy alcohols.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 276, 121235	4.4	1
168	Studies on the Vitrified and Cryomilled Bosentan. *Molecular Pharmaceutics*, **2021**,	5.6	1
167	High pressure as a novel tool for the cationic ROP of butyrolactone.. *RSC Advances*, **2021**, 11, 34806-34819	3.7	0
166	Impact of the Chain Length and Topology of the Acetylated Oligosaccharide on the Crystallization Tendency of Naproxen from Amorphous Binary Mixtures. *Molecular Pharmaceutics*, **2021**, 18, 347-358	5.6	0
165	Synthetic strategy matters: The study of a different kind of PVP as micellar vehicles of metronidazole. *Journal of Molecular Liquids*, **2021**, 332, 115789	6	3
164	High pressure aging studies on the low-molecular weight glass-forming pharmaceutical Probucol. *Journal of Molecular Liquids*, **2021**, 321, 114626	6	3
163	Local structure and molecular dynamics of highly polar propylene carbonate derivative infiltrated within alumina and silica porous templates. *Journal of Chemical Physics*, **2021**, 154, 064701	3.9	2
162	Anormal Thermal History Effect on the Structural Dynamics of Probucol Infiltrated into Porous Alumina. *Journal of Physical Chemistry C*, **2021**, 125, 3901-3912	3.8	3
161	Is a Dissociation Process Underlying the Molecular Origin of the Debye Process in Monohydroxy Alcohols?. *Journal of Physical Chemistry B*, **2021**, 125, 2960-2967	3.4	2
160	Systematic studies on the dynamics, intermolecular interactions and local structure in the alkyl and phenyl substituted butanol isomers. *Journal of Molecular Liquids*, **2021**, 346, 117098	6	2
159	Anomalous narrowing of the shape of the structural process in derivatives of trehalose at high pressure. The role of the internal structure. *Journal of Molecular Liquids*, **2021**, 336, 116321	6	2
158	How does pressure affect the molecular dynamics, intramolecular interactions, and the relationship between structural (and secondary (JG- relaxation above and below the glass transition temperature in binary mixtures of H-bonded API - probucol and acetylated saccharides?. *European Journal of Pharmaceutical Sciences*, **2021**, 164, 105894	5.1	
157	The effect of high-pressure on organocatalyzed ROP of butyrolactone. *Polymer*, **2021**, 233, 124166	3.9	1
156	The impact of the length of alkyl chain on the behavior of benzyl alcohol homologues - the interplay between dispersive and hydrogen bond interactions. *Physical Chemistry Chemical Physics*, **2021**, 23, 23796-23807	3.6	3
155	Hard confinement systems as effective nanoreactors for in situ photo-RAFT: towards control over molecular weight distribution and morphology. *Polymer Chemistry*, **2021**, 12, 1105-1113	4.9	3

154	Influence of the Internal Structure and Intermolecular Interactions on the Correlation between Structural (α and Secondary (JG) Relaxation below the Glass Transition Temperature in Neat Probucol and Its Binary Mixtures with Modified Saccharides. *Journal of Physical Chemistry B*, **2020**, 124, 4821-4834	3.4	4
153	Pressure-assisted solvent- and catalyst-free production of well-defined poly(1-vinyl-2-pyrrolidone) for biomedical applications.. *RSC Advances*, **2020**, 10, 21593-21601	3.7	2
152	Unique Behavior of Poly(propylene glycols) Confined within Alumina Templates Having a Nanostructured Interface. *Nano Letters*, **2020**, 20, 5714-5719	11.5	5
151	Structure-property relationships of tailored imidazolium- and pyrrolidinium-based poly(ionic liquid)s. Solid-like vs. gel-like systems. *Polymer*, **2020**, 192, 122262	3.9	11
150	Influence of Annealing in the Close Vicinity of on the Reorganization within Dimers and Its Impact on the Crystallization Kinetics of Gemfibrozil. *Molecular Pharmaceutics*, **2020**, 17, 990-1000	5.6	
149	High-pressure experiments as a novel perspective to study the molecular dynamics of glass-forming materials confined at the nanoscale. *Nanoscale*, **2020**, 12, 10600-10608	7.7	4
148	The impact of various azole antifungals on the liquid crystalline ordering in itraconazole. *Journal of Molecular Liquids*, **2020**, 307, 112959	6	7
147	Are hydrogen supramolecular structures being suppressed upon nanoscale confinement? The case of monohydroxy alcohols. *Journal of Colloid and Interface Science*, **2020**, 576, 217-229	9.3	8
146	Relationship between Nanoscale Supramolecular Structure, Effectiveness of Hydrogen Bonds, and Appearance of Debye Process. *Journal of Physical Chemistry C*, **2020**, 124, 2672-2679	3.8	9
145	Breakdown of the isochronal structural (α and secondary (JG) exact superpositioning in probucol - A low molecular weight pharmaceutical. *Journal of Molecular Liquids*, **2020**, 299, 112169	6	9
144	Interplay between structural static and dynamical parameters as a key factor to understand peculiar behaviour of associated liquids. *Journal of Molecular Liquids*, **2020**, 319, 114084	6	13
143	Impact of Imidazolium-Based Ionic Liquids on the Curing Kinetics and Physicochemical Properties of Nascent Epoxy Resins. *Macromolecules*, **2020**, 53, 6341-6352	5.5	8
142	Impact of Confinement on the Dynamics and H-Bonding Pattern in Low-Molecular Weight Poly(propylene glycols). *Journal of Physical Chemistry C*, **2020**, 124, 17607-17621	3.8	5
141	The impact of chemical structure on the formation of the medium-range order and dynamical properties of selected antifungal APIs. *Physical Chemistry Chemical Physics*, **2020**, 22, 28202-28212	3.6	4
140	Correlation between Locally Ordered (Hydrogen-Bonded) Nanodomains and Puzzling Dynamics of Polymethysiloxane Derivative. *Macromolecules*, **2020**, 53, 10225-10233	5.5	1
139	Influence of High Pressure on the Local Order and Dynamical Properties of the Selected Azole Antifungals. *Journal of Physical Chemistry B*, **2020**, 124, 11949-11961	3.4	3
138	The influence of the nanocurvature on the surface interactions and molecular dynamics of model liquid confined in cylindrical pores. *Journal of Molecular Liquids*, **2020**, 298, 111973	6	7
137	Does the molecular mobility and flexibility of the saccharide ring affect the glass-forming ability of naproxen in binary mixtures?. *European Journal of Pharmaceutical Sciences*, **2020**, 141, 105091	5.1	5

136	Pressure-assisted strategy for the synthesis of vinyl pyrrolidone-based macro-star photoiniferters. A route to star block copolymers. *Journal of Polymer Science*, **2020**, 58, 1393-1399	2.4	2
135	The Impact of Liquid Crystalline Phase Ordering on the Thermodynamic Scaling of Itraconazole. *Journal of Physical Chemistry C*, **2019**, 123, 4558-4566	3.8	6
134	The application of spatially restricted geometries as a unique route to produce well-defined poly(vinyl pyrrolidones) via free radical polymerisation. *Chemical Communications*, **2019**, 55, 6441-6444	5.8	7
133	Varying thermodynamic conditions as a new way to tune the molecular order in glassy itraconazole. *Journal of Molecular Liquids*, **2019**, 286, 110920	6	2
132	Studying structural and local dynamics in model H-bonded active ingredient - Curcumin in the supercooled and glassy states at various thermodynamic conditions. *European Journal of Pharmaceutical Sciences*, **2019**, 135, 38-50	5.1	7
131	The Impact of Molecular Weight on the Behavior of Poly(propylene glycol) Derivatives Confined within Alumina Templates. *Macromolecules*, **2019**, 52, 3516-3529	5.5	17
130	Direct insight into the kinetics of the high-pressure step-growth polymerization of DGEBA/aniline model system. *Polymer*, **2019**, 172, 322-329	3.9	2
129	Dramatic slowing down of the conformational equilibrium in the silyl derivative of glucose in the vicinity of the glass transition temperature. *Soft Matter*, **2019**, 15, 7429-7437	3.6	1
128	High-Pressure Studies on the Chain and Segmental Dynamics of a Series of Poly(propylene glycol) Derivatives. *Macromolecules*, **2019**, 52, 5658-5669	5.5	4
127	Studying tautomerism in an important pharmaceutical glibenclamide confined in the thin nanometric layers. *Colloids and Surfaces B: Biointerfaces*, **2019**, 182, 110319	6	3
126	Studies on the internal medium-range ordering and high pressure dynamics in modified ibuprofens. *Physical Chemistry Chemical Physics*, **2019**, 22, 295-305	3.6	8
125	Efficient metal-free strategies for polymerization of a sterically hindered ionic monomer through the application of hard confinement and high pressure.. *RSC Advances*, **2019**, 9, 6396-6408	3.7	8
124	Impact of the Interfacial Energy and Density Fluctuations on the Shift of the Glass-Transition Temperature of Liquids Confined in Pores. *Journal of Physical Chemistry C*, **2019**, 123, 5549-5556	3.8	17
123	Studying the catalytic activity of DBU and TBD upon water-initiated ROP of ε-caprolactone under different thermodynamic conditions. *Polymer Chemistry*, **2019**, 10, 6047-6061	4.9	10
122	Studies on the molecular dynamics of acetylated oligosaccharides of different topologies (linear versus cyclic). *Carbohydrate Polymers*, **2019**, 206, 273-280	10.3	4
121	Studying the Crystal Growth of Selected Active Pharmaceutical Ingredients from Single- and Two-Component Systems above and below the Glass Transition Temperature. *Crystal Growth and Design*, **2019**, 19, 1031-1040	3.5	2
120	High pressure RAFT of sterically hindered ionic monomers. Studying relationship between rigidity of the polymer backbone and conductivity. *Polymer*, **2018**, 140, 158-166	3.9	9
119	Anhydrosaccharides-A new class of the fragile plastic crystals. *Journal of Chemical Physics*, **2018**, 148, 074501	3.9	6

118	Unexpected Crossover in the kinetics of mutarotation in the supercooled region: the role of H-bonds. *Scientific Reports*, **2018**, 8, 5312	4.9	3
117	Studies on dynamics and isomerism in supercooled photochromic compound Aberchrome 670 with the use of different experimental techniques. *Physical Chemistry Chemical Physics*, **2018**, 20, 18009-18019	3.6	2
116	Studying molecular dynamics of the slow, structural, and secondary relaxation processes in series of substituted ibuprofens. *Journal of Chemical Physics*, **2018**, 148, 224505	3.9	11
115	Highly Efficient ROP Polymerization of ε-Caprolactone Catalyzed by Nanoporous Alumina Membranes. How the Confinement Affects the Progress and Product of ROP Reaction. *Macromolecules*, **2018**, 51, 4588-4597	5.5	13
114	The Role of Interfacial Energy and Specific Interactions on the Behavior of Poly(propylene glycol) Derivatives under 2D Confinement. *Macromolecules*, **2018**, 51, 4840-4852	5.5	29
113	Studies on the hard confinement effect on the RAFT polymerization of a monomeric ionic liquid. Unexpected triggering of RAFT polymerization at 30 °C. *Polymer Chemistry*, **2018**, 9, 335-345	4.9	10
112	Melts of Octaacetyl Sucrose as Oral-Modified Release Dosage Forms for Delivery of Poorly Soluble Compound in Stable Amorphous Form. *AAPS PharmSciTech*, **2018**, 19, 951-960	3.9	2
111	Conformational changes underlying variation in the structural dynamics of materials confined at the nanometric scale. *Physical Chemistry Chemical Physics*, **2018**, 20, 30200-30208	3.6	10
110	Variation in the Molecular Dynamics of DGEBA Confined within AAO Templates above and below the Glass-Transition Temperature. *Journal of Physical Chemistry C*, **2018**, 122, 28033-28044	3.8	17
109	How does the type of counterion influence the polymerization rate and thermal properties of tailored choline-based linear- and star-shaped poly(ionic liquid)s PILs?. *Journal of Polymer Science Part A*, **2018**, 56, 2681-2691	2.5	2
108	Impact of Intermolecular Interactions, Dimeric Structures on the Glass Forming Ability of Naproxen, and a Series of Its Derivatives. *Molecular Pharmaceutics*, **2018**, 15, 4764-4776	5.6	8
107	High-pressure dielectric studies on 1,6-anhydro-β-D-mannopyranose (plastic crystal) and 2,3,4-tri-O-acetyl-1,6-anhydro-β-D-glucopyranose (canonical glass). *Journal of Chemical Physics*, **2018**, 148, 204510	3.9	10
106	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	6.4	32
105	Studying of crystal growth and overall crystallization of naproxen from binary mixtures. *European Journal of Pharmaceutics and Biopharmaceutics*, **2017**, 113, 75-87	5.7	13
104	Studying the Crystallization of Various Polymorphic Forms of Nifedipine from Binary Mixtures with the Use of Different Experimental Techniques. *Molecular Pharmaceutics*, **2017**, 14, 2116-2125	5.6	13
103	Enhanced Polymerization Rate and Conductivity of Ionic Liquid-Based Epoxy Resin. *Macromolecules*, **2017**, 50, 3262-3272	5.5	37
102	High pressure studies on structural and secondary relaxation dynamics in silyl derivative of D-glucose. *Journal of Chemical Physics*, **2017**, 147, 064502	3.9	11
101	A study on the progress of mutarotation above and below the T and the relationship between constant rates and structural relaxation times. *Physical Chemistry Chemical Physics*, **2017**, 19, 20949-20958	3.6	3

100	A facile route to well-defined imidazolium-based poly(ionic liquid)s of enhanced conductivity via RAFT. *Polymer Chemistry*, **2017**, 8, 5433-5443	4.9	20
99	Is There a Liquid–Liquid Phase Transition in Confined Triphenyl Phosphite?. *Journal of Physical Chemistry C*, **2017**, 121, 19442-19450	3.8	9
98	Interplay between the static ordering and dynamical heterogeneities determining the dynamics of rotation and ordinary liquid phases in 1,6-anhydro-D-glucose. *Scientific Reports*, **2017**, 7, 42103	4.9	9
97	Time and Temperature as Key Parameters Controlling Dynamics and Properties of Spatially Restricted Polymers. *Macromolecules*, **2017**, 50, 5188-5193	5.5	19
96	High pressure water-initiated ring opening polymerization for the synthesis of well-defined hydroxy-(carboxylic acid) polycaprolactones. *Green Chemistry*, **2017**, 19, 3618-3627	10	12
95	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	5.5	40
94	Experimental (FTIR, BDS) and theoretical analysis of mutarotation kinetics of D-fructose mixed with different alcohols in the supercooled region. *RSC Advances*, **2016**, 6, 57634-57646	3.7	4
93	Crystallization Kinetics under Confinement. Manipulation of the Crystalline Form of Salol by Varying Pore Diameter. *Crystal Growth and Design*, **2016**, 16, 1218-1227	3.5	19
92	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	3.8	33
91	Observation of the nearly constant loss in super rigid saccharides: in search of a hidden crossover in dynamics deep in the glassy state. *Physical Chemistry Chemical Physics*, **2016**, 18, 8901-10	3.6	7
90	The effect of hydrogen bonding propensity and enantiomeric composition on the dynamics of supercooled ketoprofen - dielectric, rheological and NMR studies. *Physical Chemistry Chemical Physics*, **2016**, 18, 10585-93	3.6	16
89	High pressure dielectric studies on the structural and orientational glass. *Journal of Chemical Physics*, **2016**, 144, 054503	3.9	20
88	Studies on the radical polymerization of monomeric ionic liquids: nanostructure ordering as a key factor controlling the reaction and properties of nascent polymers. *Polymer Chemistry*, **2016**, 7, 6363-6374	4.9	9
87	Polymerization of Monomeric Ionic Liquid Confined within Uniaxial Alumina Pores as a New Way of Obtaining Materials with Enhanced Conductivity. *ACS Applied Materials & Interfaces*, **2016**, 8, 29779-29790	9.5	20
86	The peculiar behavior of the molecular dynamics of a glass-forming liquid confined in native porous materials - the role of negative pressure. *Physical Chemistry Chemical Physics*, **2016**, 18, 23709-14	3.6	31
85	Crystallization Behavior and Relaxation Dynamics of Supercooled S-Ketoprofen and the Racemic Mixture along an Isochrone. *Crystal Growth and Design*, **2015**, 15, 3257-3263	3.5	20
84	Decoupling between the Interfacial and Core Molecular Dynamics of Salol in 2D Confinement. *Journal of Physical Chemistry C*, **2015**, 119, 14366-14374	3.8	43
83	Studying the Impact of Modified Saccharides on the Molecular Dynamics and Crystallization Tendencies of Model API Nifedipine. *Molecular Pharmaceutics*, **2015**, 12, 3007-19	5.6	25

82	Does the Johari□Goldstein □Relaxation Exist in Polypropylene Glycols?. *Macromolecules*, **2015**, 48, 4151-4157	5.5	8
81	Thermodynamic scaling of molecular dynamics in supercooled liquid state of pharmaceuticals: Itraconazole and ketoconazole. *Journal of Chemical Physics*, **2015**, 142, 224507	3.9	5
80	Changes in dynamics of the glass-forming pharmaceutical nifedipine in binary mixtures with octaacetylmaltose. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 97, 185-91	5.7	13
79	Impact of high pressure on the progress of polymerization of DGEBA cured with different amine hardeners: dielectric and DSC studies. *RSC Advances*, **2015**, 5, 105934-105942	3.7	14
78	Negative Pressure Vitrification of the Isochorically Confined Liquid in Nanopores. *Physical Review Letters*, **2015**, 115, 265702	7.4	53
77	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	3.9	20
76	Confinement for More Space: A Larger Free Volume and Enhanced Glassy Dynamics of 2-Ethyl-1-hexanol in Nanopores. *Journal of Physical Chemistry Letters*, **2015**, 6, 3708-12	6.4	62
75	Following kinetics and dynamics of DGEBA-aniline polymerization in nanoporous native alumina oxide membranes □FTIR and dielectric studies. *Polymer*, **2015**, 68, 253-261	3.9	22
74	The improvement of the dissolution rate of ziprasidone free base from solid oral formulations. *AAPS PharmSciTech*, **2015**, 16, 922-33	3.9	10
73	Molecular dynamics of itraconazole confined in thin supported layers. *RSC Advances*, **2014**, 4, 28432-28438	3.7	24
72	Impact of inter- and intramolecular interactions on the physical stability of indomethacin dispersed in acetylated saccharides. *Molecular Pharmaceutics*, **2014**, 11, 2935-47	5.6	22
71	Dynamic Glass Transition and Electrical Conductivity Behavior Dominated by Proton Hopping Mechanism Studied in the Family of Hyperbranched Bis-MPA Polyesters. *Macromolecules*, **2014**, 47, 5798-5807	5.5	15
70	Enhancement of the physical stability of amorphous indomethacin by mixing it with octaacetylmaltose. inter and intra molecular studies. *Pharmaceutical Research*, **2014**, 31, 2887-903	4.5	12
69	High pressure polymerization of glycidol. Kinetics studies. *Polymer*, **2014**, 55, 1984-1990	3.9	10
68	Kinetics and Dynamics of the Curing System. High Pressure Studies. *Macromolecules*, **2014**, 47, 4288-4297	5.5	18
67	The kinetics of mutarotation in L-fucose as monitored by dielectric and infrared spectroscopy. *Journal of Chemical Physics*, **2014**, 140, 215101	3.9	15
66	Impact of low molecular weight excipient octaacetylmaltose on the liquid crystalline ordering and molecular dynamics in the supercooled liquid and glassy state of itraconazole. *European Journal of Pharmaceutics and Biopharmaceutics*, **2014**, 88, 1094-104	5.7	14
65	Molecular dynamics of the supercooled pharmaceutical agent posaconazole studied via differential scanning calorimetry and dielectric and mechanical spectroscopies. *Molecular Pharmaceutics*, **2013**, 10, 3934-45	5.6	26

64	Glassy dynamics and physical aging in fucose saccharides as studied by infrared- and broadband dielectric spectroscopy. *Physical Chemistry Chemical Physics*, **2013**, 15, 20641-50	3.6	20
63	Communication: Synperiplanar to antiperiplanar conformation changes as underlying the mechanism of Debye process in supercooled ibuprofen. *Journal of Chemical Physics*, **2013**, 139, 111103	3.9	25
62	Molecular dynamics of itraconazole at ambient and high pressure. *Physical Chemistry Chemical Physics*, **2013**, 15, 20742-52	3.6	54
61	A new way of stabilization of furosemide upon cryogenic grinding by using acylated saccharides matrices. The role of hydrogen bonds in decomposition mechanism. *Molecular Pharmaceutics*, **2013**, 10, 1824-35	5.6	26
60	Comparative Study on the Molecular Dynamics of a Series of Polypropylene Glycols. *Macromolecules*, **2013**, 46, 1973-1980	5.5	20
59	Mutarotation in biologically important pure L-fucose and its enantiomer. *Journal of Physics Condensed Matter*, **2013**, 25, 375101	1.8	2
58	Dielectric studies on molecular dynamics of two important disaccharides: sucrose and trehalose. *Molecular Pharmaceutics*, **2012**, 9, 1559-69	5.6	17
57	Mechanism of mutarotation in supercooled liquid phase: Studies on L-sorbose. *Journal of Chemical Physics*, **2012**, 137, 124504	3.9	13
56	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, 1748-63	5.6	30
55	Enhancement of amorphous celecoxib stability by mixing it with octaacetylmaltose: the molecular dynamics study. *Molecular Pharmaceutics*, **2012**, 9, 894-904	5.6	49
54	Impact of water on molecular dynamics of amorphous □ □ and □cyclodextrins studied by dielectric spectroscopy. *Physical Review E*, **2012**, 86, 031506	2.4	18
53	The importance of the activation volume for the description of the molecular dynamics of glass-forming liquids. *Journal of Physics Condensed Matter*, **2012**, 24, 065105	1.8	16
52	Study of dynamics and crystallization kinetics of 5-methyl-2-[(2-nitrophenyl)amino]-3-thiophenecarbonitrile at ambient and elevated pressure. *Journal of Chemical Physics*, **2012**, 136, 234509	3.9	16
51	Temperature and volume effect on the molecular dynamics of supercooled ibuprofen at ambient and elevated pressure. *Molecular Pharmaceutics*, **2011**, 8, 1975-9	5.6	14
50	Comment on "Slow Debye-type peak observed in the dielectric response of polyalcohols" [J. Chem. Phys. 132, 044504 (2010)]. *Journal of Chemical Physics*, **2011**, 134, 037101; author reply 037102	3.9	12
49	Effect of cryogrinding on chemical stability of the sparingly water-soluble drug furosemide. *Pharmaceutical Research*, **2011**, 28, 3220-36	4.5	34
48	Molecular dynamics of the cryomilled base and hydrochloride ziprasidones by means of dielectric spectroscopy. *Journal of Pharmaceutical Sciences*, **2011**, 100, 2642-57	3.9	23
47	Theoretical and experimental studies on the internal mobility of two sulfonylurea agents: glibenclamide and glimepiride. *Journal of Physics Condensed Matter*, **2011**, 23, 425901	1.8	4

46	Do intermolecular interactions control crystallization abilities of glass-forming liquids?. *Journal of Physical Chemistry B*, **2011**, 115, 11537-47	3.4	34
45	Probing of structural relaxation times in the glassy state of sucrose and trehalose based on dynamical properties of two secondary relaxation processes. *Physical Review E*, **2011**, 83, 061502	2.4	16
44	Molecular dynamics and crystallization phenomenon of supercooled and glassy DNA and RNA nucleosides: Ⅱadenosine, Ⅱthymidine, and Ⅱuridine. *Physical Review E*, **2011**, 84, 051507	2.4	14
43	Comparative dielectric studies on two hydrogen-bonded and van der Waals liquids. *Physical Review E*, **2011**, 83, 061506	2.4	21
42	Studies on mechanism of reaction and density behavior during anhydrous D-fructose mutarotation in the supercooled liquid state. *Journal of Chemical Physics*, **2011**, 134, 175102	3.9	12
41	Comment on "Study of dielectric relaxations of anhydrous trehalose and maltose glasses" [J. Chem. Phys. 134, 014508 (2011)]. *Journal of Chemical Physics*, **2011**, 135, 167102	3.9	3
40	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	24
39	Dynamics of the slow mode in the family of six-carbon monosaccharides monitored by dielectric spectroscopy. *Journal of Physics Condensed Matter*, **2010**, 22, 365103	1.8	7
38	Study of molecular dynamics of the pharmaceutically important protic ionic liquid verapamil hydrochloride. II. Test of entropic models. *Journal of Chemical Physics*, **2010**, 132, 094506	3.9	19
37	Kinetic processes in supercooled monosaccharides upon melting: Application of dielectric spectroscopy in the mutarotation studies of D-ribose. *Journal of Chemical Physics*, **2010**, 132, 195104	3.9	24
36	On the kinetics of tautomerism in drugs: New application of broadband dielectric spectroscopy. *Journal of Chemical Physics*, **2010**, 133, 094507	3.9	46
35	Study of the amorphous glibenclamide drug: analysis of the molecular dynamics of quenched and cryomilled material. *Molecular Pharmaceutics*, **2010**, 7, 1692-707	5.6	76
34	Effect of pressure on tautomers℞equilibrium in supercooled glibenclamide drug: analysis of fragility behavior. *Journal of Physical Chemistry B*, **2010**, 114, 14815-20	3.4	15
33	Dielectric relaxation and crystallization kinetics of ibuprofen at ambient and elevated pressure. *Journal of Physical Chemistry B*, **2010**, 114, 6579-93	3.4	94
32	Origin of the commonly observed secondary relaxation process in saccharides. *Journal of Physical Chemistry B*, **2010**, 114, 11272-81	3.4	31
31	Description of mutarotational kinetics in supercooled monosugars. *Journal of Non-Crystalline Solids*, **2010**, 356, 738-742	3.9	13
30	Observation of the dynamics of clusters in D-glucose with the use of dielectric spectroscopy. *Physical Chemistry Chemical Physics*, **2010**, 12, 723-30	3.6	14
29	Dielectric relaxation study on tramadol monohydrate and its hydrochloride salt. *Journal of Pharmaceutical Sciences*, **2010**, 99, 94-106	3.9	29

28	Dielectric relaxation studies and dissolution behavior of amorphous verapamil hydrochloride. *Journal of Pharmaceutical Sciences*, **2010**, 99, 828-39	3.9	53
27	Transformation of the Strongly Hydrogen Bonded System into van der Waals one Reflected in Molecular Dynamics. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2010**, 359-376	0.1	1
26	Study of molecular dynamics of pharmaceutically important protic ionic liquid-verapamil hydrochloride. I. Test of thermodynamic scaling. *Journal of Chemical Physics*, **2009**, 131, 104505	3.9	75
25	Identification of the slower secondary relaxation's nature in maltose by means of theoretical and dielectric studies. *Journal of Chemical Physics*, **2009**, 131, 125103	3.9	23
24	Molecular mobility in liquid and glassy states of telmisartan (TEL) studied by broadband dielectric spectroscopy. *European Journal of Pharmaceutical Sciences*, **2009**, 38, 395-404	5.1	56
23	Dielectric properties of two diastereoisomers of the arabinose and their equimolar mixture. *Carbohydrate Research*, **2009**, 344, 2547-53	2.9	17
22	Broadband dielectric relaxation study at ambient and elevated pressure of molecular dynamics of pharmaceutical: indomethacin. *Journal of Physical Chemistry B*, **2009**, 113, 12536-45	3.4	116
21	Mutarotation in D-fructose melt monitored by dielectric spectroscopy. *Journal of Physical Chemistry B*, **2009**, 113, 4379-83	3.4	37
20	Identifying the origins of two secondary relaxations in polysaccharides. *Journal of Physical Chemistry B*, **2009**, 113, 10088-96	3.4	43
19	Recent advances in fundamental understanding of glass transition. *Journal of Non-Crystalline Solids*, **2008**, 354, 5085-5088	3.9	19
18	Identification of the molecular motions responsible for the slower secondary (beta) relaxation in sucrose. *Journal of Physical Chemistry B*, **2008**, 112, 7662-8	3.4	45
17	Ion dynamics under pressure in an ionic liquid. *Journal of Physical Chemistry B*, **2008**, 112, 3110-4	3.4	47
16	Crosslinking polymerization of tetraethylene glycol dimethacrylate under high pressure. *Journal of Physics: Conference Series*, **2008**, 121, 092002	0.3	2
15	Dielectric studies on mobility of the glycosidic linkage in seven disaccharides. *Journal of Physical Chemistry B*, **2008**, 112, 12816-23	3.4	61
14	Dielectric relaxation study of the dynamics of monosaccharides: D-ribose and 2-deoxy-D-ribose. *Journal of Physics Condensed Matter*, **2008**, 20, 335104	1.8	16
13	Elucidating the existence of the excess wing in an ionic liquid on applying pressure. *Journal of Physics Condensed Matter*, **2008**, 20, 244107	1.8	7
12	Pressure-induced polymerization of phenoxyethyl acrylate. *Journal of Physics Condensed Matter*, **2008**, 20, 244121	1.8	5
11	High pressure study on molecular mobility of leucrose. *Journal of Chemical Physics*, **2008**, 129, 084501	3.9	26

10	Pressure-induced polymerization of tetraethylene glycol dimethacrylate. *Journal of Polymer Science Part A*, **2008**, 46, 3795-3801	2.5	19
9	Additive property of secondary relaxation processes in di-n-octyl and di-isooctyl phthalates: signature of non-Johari-Goldstein relaxation. *Journal of Chemical Physics*, **2007**, 126, 174501	3.9	5
8	Dielectric relaxation of alpha -tocopherol acetate (vitamin E). *Physical Review E*, **2007**, 75, 011903	2.4	13
7	Dielectric studies of molecular motions in glassy and liquid nicotine. *Journal of Physics Condensed Matter*, **2006**, 18, 5607-5615	1.8	6
6	The Importance of a Class of Secondary Relaxation Process in Glass-Forming Liquids. *AIP Conference Proceedings*, **2006**,	0	1
5	Primary and secondary relaxations in supercooled eugenol and isoeugenol at ambient and elevated pressures: dependence on chemical microstructure. *Journal of Chemical Physics*, **2006**, 124, 164511	3.9	24
4	The true Johari-Goldstein beta-relaxation of monosaccharides. *Journal of Physical Chemistry B*, **2006** , 110, 25045-9	3.4	63
3	Characterization and identification of the nature of two different kinds of secondary relaxation in one glass-former. *Journal of Non-Crystalline Solids*, **2006**, 352, 4672-4678	3.9	25
2	Effect of glass structure on the dynamics of the secondary relaxation in diisobutyl and diisoctyl phthalates. *Physical Review B*, **2005**, 72,	3.3	26
1	Light-mediated controlled and classical polymerizations of less-activated monomers under high-pressure conditions. *Polymer Chemistry*,	4.9	1