

Zaneta Wojnarowska

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119
papers

2,737
citations

33
h-index

46
g-index

122
ext. papers

3,052
ext. citations

4.8
avg, IF

5.08
L-index

#	Paper	IF	Citations
119	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
118	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
117	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
116	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
115	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
114	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
113	Fundamental Limitations of Ionic Conductivity in Polymerized Ionic Liquids. <i>Macromolecules</i> , 2018 , 51, 8637-8645	5.5	67
112	Molecular Dynamics and Physical Stability of Coamorphous Ezetimib and Indapamide Mixtures. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3610-9	5.6	62
111	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
110	Influence of Chain Rigidity and Dielectric Constant on the Glass Transition Temperature in Polymerized Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 11511-11519	3.4	60
109	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
108	Effect of Chain Rigidity on the Decoupling of Ion Motion from Segmental Relaxation in Polymerized Ionic Liquids: Ambient and Elevated Pressure Studies. <i>Macromolecules</i> , 2017 , 50, 6710-6721	5.5	59
107	Universal Behavior of Dielectric Responses of Glass Formers: Role of Dipole-Dipole Interactions. <i>Physical Review Letters</i> , 2016 , 116, 025702	7.4	57
106	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
105	Anomalous electrical conductivity behavior at elevated pressure in the protic ionic liquid procainamide hydrochloride. <i>Physical Review Letters</i> , 2012 , 108, 015701	7.4	56
104	Relaxation dynamics and crystallization study of sildenafil in the liquid and glassy states. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2270-82	5.6	53
103	Dielectric relaxation studies and dissolution behavior of amorphous verapamil hydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 828-39	3.9	53

102	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
101	Recent progress on dielectric properties of protic ionic liquids. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 073202	1.8	46
100	Physical stability of the amorphous anticholesterol agent (ezetimibe): the role of molecular mobility. <i>Molecular Pharmaceutics</i> , 2014 , 11, 4280-90	5.6	46
99	On the kinetics of tautomerism in drugs: New application of broadband dielectric spectroscopy. <i>Journal of Chemical Physics</i> , 2010 , 133, 094507	3.9	46
98	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
97	Quantifying the Structural Dynamics of Pharmaceuticals in the Glassy State. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1238-41	6.4	43
96	Heterogeneous dynamics of prototypical ionic glass CKN monitored by physical aging. <i>Physical Review Letters</i> , 2013 , 110, 015702	7.4	43
95	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
94	Molecular dynamics, physical stability and solubility advantage from amorphous indapamide drug. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3612-27	5.6	42
93	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
92	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
91	Stabilization of the Amorphous Ezetimibe Drug by Confining Its Dimension. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1308-16	5.6	36
90	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
89	Observation of highly decoupled conductivity in protic ionic conductors. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 9123-7	3.6	34
88	A star-shaped single lithium-ion conducting copolymer by grafting a POSS nanoparticle. <i>Polymer</i> , 2017 , 124, 117-127	3.9	34
87	Do intermolecular interactions control crystallization abilities of glass-forming liquids?. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11537-47	3.4	34
86	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
85	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

84	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
83	Origin of the commonly observed secondary relaxation process in saccharides. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11272-81	3.4	31
82	Glass-Forming Tendency of Molecular Liquids and the Strength of the Intermolecular Attractions. <i>Scientific Reports</i> , 2016 , 6, 36934	4.9	30
81	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
80	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
79	On the scaling behavior of electric conductivity in [C4mim][NTf2]. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20444-50	3.6	26
78	Isothermal Cold Crystallization Kinetics Study of Sildenafil. <i>Crystal Growth and Design</i> , 2014 , 14, 3199-3209	3.9	25
77	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
76	Atorvastatin as a Promising Crystallization Inhibitor of Amorphous Probutol: Dielectric Studies at Ambient and Elevated Pressure. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2670-2680	5.6	24
75	High pressure study of molecular dynamics of protic ionic liquid lidocaine hydrochloride. <i>Journal of Chemical Physics</i> , 2012 , 136, 224501	3.9	24
74	Heterogeneous Nature of Relaxation Dynamics of Room-Temperature Ionic Liquids (EMIm) ₂ [Co(NCS) ₄] and (BMIm) ₂ [Co(NCS) ₄]. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20363-20368	3.8	23
73	Molecular dynamics of the cryomilled base and hydrochloride ziprasidones by means of dielectric spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 2642-57	3.9	23
72	Effect of pressure on decoupling of ionic conductivity from structural relaxation in hydrated protic ionic liquid, lidocaine HCl. <i>Journal of Chemical Physics</i> , 2013 , 138, 204502	3.9	22
71	Can the scaling behavior of electric conductivity be used to probe the self-organizational changes in solution with respect to the ionic liquid structure? The case of [C8MIM][NTf2]. <i>Soft Matter</i> , 2015 , 11, 6520-6	3.6	21
70	Effect of temperature and density fluctuations on the spatially heterogeneous dynamics of glass-forming Van der Waals liquids under high pressure. <i>Physical Review Letters</i> , 2013 , 111, 125701	7.4	19
69	Study of molecular dynamics of the pharmaceutically important protic ionic liquid verapamil hydrochloride. II. Test of entropic models. <i>Journal of Chemical Physics</i> , 2010 , 132, 094506	3.9	19
68	Pressure coefficient of the glass transition temperature in the thermodynamic scaling regime. <i>Physical Review E</i> , 2012 , 86, 041502	2.4	18
67	Toward a better understanding of dielectric responses of van der Waals liquids: The role of chemical structures. <i>Journal of Chemical Physics</i> , 2017 , 146, 094512	3.9	16

66	Synthesis, characterization and dielectric relaxation study of hyperbranched polymers with different molecular architecture. <i>Polymer</i> , 2016 , 100, 227-237	3.9	16
65	Effect of pressure on tautomers equilibrium in supercooled glibenclamide drug: analysis of fragility behavior. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 14815-20	3.4	15
64	Observation of the dynamics of clusters in D-glucose with the use of dielectric spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 723-30	3.6	14
63	Molecular dynamics and crystallization phenomenon of supercooled and glassy DNA and RNA nucleosides: Adenosine, Thymidine, and Uridine. <i>Physical Review E</i> , 2011 , 84, 051507	2.4	14
62	The effect of electrostatic interactions on the formation of pharmaceutical eutectics. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27361-27367	3.6	14
61	How is charge transport different in ionic liquids? The effect of high pressure. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 14141-14147	3.6	13
60	Influence of Polymeric Additive on the Physical Stability and Viscoelastic Properties of Aripiprazole. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1742-1750	5.6	13
59	Can Storage Time Improve the Physical Stability of Amorphous Pharmaceuticals with Tautomerization Ability Exposed to Compression? The Case of a Chloramphenicol Drug. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1928-1940	5.6	13
58	Amorphous Protic Ionic Systems as Promising Active Pharmaceutical Ingredients: The Case of the Sumatriptan Succinate Drug. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1111-22	5.6	13
57	Dynamic crossover and the Debye-Stokes-Einstein relation in liquid N,N-diethyl-3-methylbenzamide (DEET). <i>Soft Matter</i> , 2013 , 9, 10373	3.6	13
56	Thermodynamic scaling of molecular dynamics in supercooled ibuprofen. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 4559-67	3.4	13
55	Experimental evidence of high pressure decoupling between charge transport and structural dynamics in a protic ionic glass-former. <i>Scientific Reports</i> , 2017 , 7, 7084	4.9	12
54	Structurally Related Scaling Behavior in Ionic Systems. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 1240-1244	3.4	12
53	Ionic liquids and their bases: Striking differences in the dynamic heterogeneity near the glass transition. <i>Scientific Reports</i> , 2015 , 5, 16876	4.9	11
52	Deducting the temperature dependence of the structural relaxation time in equilibrium far below the nominal Tg by aging the decoupled conductivity relaxation to equilibrium. <i>Journal of Chemical Physics</i> , 2014 , 140, 174502	3.9	11
51	Tracking of Proton Transfer Reaction in Supercooled RNA Nucleoside. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2288-92	6.4	11
50	The dielectric signature of glass density. <i>Applied Physics Letters</i> , 2017 , 111, 121902	3.4	10
49	Temperature- and Pressure-Induced Structural Changes of Cobalt(II) in a Phosphonium-Based Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 10156-10161	3.8	10

48	Comparative study of effect of alkyl chain length on thermophysical characteristics of five N-alkylpyridinium bis(trifluoromethylsulfonyl)imides with selected imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2019 , 278, 401-412	6	9
47	Experimental Evidence for a State-Point-Independent Density-Scaling Exponent in Ionic Liquids. <i>Physical Review Letters</i> , 2019 , 123, 125702	7.4	9
46	Invariance of conductivity relaxation under pressure and temperature variations at constant conductivity relaxation time in 0.4Ca(NO ₃) ₂ ·0.6KNO ₃ . <i>Physical Review E</i> , 2014 , 90, 062315	2.4	9
45	Density, viscosity, and high-pressure conductivity studies of tricyanomethanide-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 317, 113971	6	9
44	Effect of polymer structure on the molecular dynamics and thermal behavior of poly(allyl acetoacetate) and copolymers. <i>Polymer</i> , 2014 , 55, 1040-1047	3.9	8
43	The tautomerization phenomenon of glibenclamide drug monitored by means of volumetric measurements. <i>Journal of Chemical Physics</i> , 2011 , 135, 214506	3.9	8
42	Structural correlations tailor conductive properties in polymerized ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 14775-14785	3.6	7
41	In search of correlations between the four-point measure of dynamic heterogeneity and other characteristics of glass-forming liquids under high pressure. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 196-205	3.9	7
40	Evidence of a Fundamental Mechanism Governing Conductivity Relaxation in Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22089-22094	3.8	7
39	Dynamics of the slow mode in the family of six-carbon monosaccharides monitored by dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 365103	1.8	7
38	New insight into relaxation dynamics of an epoxy/hydroxy functionalized polybutadiene from dielectric and mechanical spectroscopy studies. <i>Colloid and Polymer Science</i> , 2014 , 292, 1853-1862	2.4	6
37	Tautomerism in Drug Delivery 2016 , 183-200		6
36	Density Scaling in Ionic Glass Formers Controlled by Grotthuss Conduction. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1156-1160	3.4	6
35	New limits of secondary β relaxation. <i>Scientific Reports</i> , 2017 , 7, 43091	4.9	5
34	Communication: Inflection in the pressure dependent conductivity of the protic ionic liquid C8HIM NTF ₂ . <i>Journal of Chemical Physics</i> , 2017 , 146, 181102	3.9	5
33	Dynamic Properties of Glass-Formers Governed by the Frequency Dispersion of the Structural β Relaxation: Examples from Prilocaine. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12699-707	3.4	5
32	Capacitance of thin films containing polymerized ionic liquids. <i>Science Advances</i> , 2020 , 6, eaba7952	14.3	5
31	Access to Thermodynamic and Viscoelastic Properties of Poly(ionic liquid)s Using High-Pressure Conductivity Measurements. <i>ACS Macro Letters</i> , 2019 , 8, 996-1001	6.6	5

30	The behavior and origin of the excess wing in DEET (N,N-diethyl-3-methylbenzamide). <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 9300-7	3.6	5
29	Green Synthesis of Lidocaine Ionic Liquids and Salts: Mechanisms of Formation and Interactions in the Crystalline and Supercooled States. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18266-18276	8.3	5
28	The relation between molecular dynamics and configurational entropy in room temperature ionic liquids: Test of Adam-Gibbs model. <i>Journal of Chemical Physics</i> , 2020 , 152, 091101	3.9	4
27	New Insight Into Ion Transport Through Dynamic Modulus Studies. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 22816-22821	3.8	4
26	Theoretical and experimental studies on the internal mobility of two sulfonylurea agents: glibenclamide and glimepiride. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 425901	1.8	4
25	On the temperature and pressure dependence of dielectric relaxation processes in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 14260-14275	3.6	4
24	Fast secondary dynamics for enhanced charge transport in polymerized ionic liquids. <i>Physical Review E</i> , 2020 , 101, 032606	2.4	3
23	High-Pressure Dielectric Spectroscopy for Studying the Charge Transfer in Ionic Liquids and Solids. <i>Advances in Dielectrics</i> , 2016 , 73-113	0.6	3
22	Universal scaling behavior of entropy and conductivity in ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113824	6	3
21	Fractional Walden rule for aprotic ionic liquids: Experimental verification over a wide range of temperatures and pressures. <i>Journal of Molecular Liquids</i> , 2021 , 331, 115772	6	3
20	Correlation between configurational entropy, excess entropy, and ion dynamics in imidazolium-based ionic liquids: Test of the Adam-Gibbs model. <i>Journal of Chemical Physics</i> , 2021 , 154, 044502	3.9	3
19	Effect of electrostatic interactions on the relaxation dynamics of pharmaceutical eutectics. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 134, 93-101	5.1	2
18	Modulation of Cation Diffusion by Reversible Supramolecular Assemblies in Ionic Liquid-Based Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31842-31851	9.5	2
17	The implications of various molecular interactions on the dielectric behavior of cimetidine and cimetidine hydrochloride. <i>RSC Advances</i> , 2016 , 6, 112919-112930	3.7	2
16	Dielectric properties of glassy disaccharides for electromagnetic interference shielding application. <i>Journal of Applied Physics</i> , 2015 , 118, 184102	2.5	2
15	Comparative analysis of dielectric, shear mechanical and light scattering response functions in polar supercooled liquids. <i>Scientific Reports</i> , 2021 , 11, 22142	4.9	2
14	Ion and Proton Transport In Aqueous/Nonaqueous Acidic Ionic Liquids for Fuel-Cell Applications-Insight from High-Pressure Dielectric Studies. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30614-30624	9.5	2
13	Two-Step Aging of Highly Polar Glass. <i>Journal of Physical Chemistry Letters</i> , 2021 , 11779-11783	6.4	2

12	The structural relaxation times of prilocaine confined in 1 nm pores of molecular sieves: quantitative explanation by the coupling model. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9257-9267	3.6	1
11	Revealing Fast Proton Transport in Condensed Matter by Means of Density Scaling Concept. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15749-15756	3.8	1
10	Correlation between Locally Ordered (Hydrogen-Bonded) Nanodomains and Puzzling Dynamics of Polymethylsiloxane Derivative. <i>Macromolecules</i> , 2020 , 53, 10225-10233	5.5	1
9	The behavior of conductivity dynamic modulus and its connection to thermodynamic bulk modulus in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 19342-19348	3.6	1
8	Thorough studies of tricyanomethanide-based ionic liquids - the influence of alkyl chain length of the cation. <i>Soft Matter</i> , 2020 , 16, 9479-9487	3.6	1
7	Magnitude of Dynamically Correlated Molecules as an Indicator for a Dynamical Crossover in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 4141-4147	3.4	1
6	Nature of intramolecular dynamics in protic ionic glass-former: insight from ambient and high pressure Brillouin spectroscopy. <i>Journal of Molecular Liquids</i> , 2019 , 282, 51-56	6	1
5	Studies on ion dynamics of polymerized ionic liquids through the free volume theory. <i>Polymer</i> , 2021 , 212, 123286	3.9	1
4	Pressure-induced liquid-liquid transition in a family of ionic materials.. <i>Nature Communications</i> , 2022 , 13, 1342	17.4	1
3	Formation of stoichiometric and non-stoichiometric ionic liquid and cocrystal multicomponent phases of lidocaine with azelaic acid by changing counterion ratios. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117737	6	0
2	Characterisation and fundamental insight into the formation of new solid state, multicomponent systems of propranolol. <i>International Journal of Pharmaceutics</i> , 2021 , 602, 120605	6.5	0
1	Effect of structure on molecular dynamics in glass-forming liquids. The case of aromaticity. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117757	6	