

Stella Hensel-Bielowka

List of Publications by Year in descending order

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28
papers

1,535
citations

394421

19
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	Peculiar relaxation dynamics of propylene carbonate derivatives. <i>Journal of Chemical Physics</i> , 2019, 150, 044504.	3.0	10
2	Synthesis, characterization and dielectric relaxation study of hyperbranched polymers with different molecular architecture. <i>Polymer</i> , 2016, 100, 227-237.	3.8	17
3	Molecular Origin of Enhanced Proton Conductivity in Anhydrous Ionic Systems. <i>Journal of the American Chemical Society</i> , 2015, 137, 1157-1164.	13.7	41
4	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 [C ₈ MIM][NTf ₂]. <i>Soft Matter</i> , 2015, 11, 6520-6526.	2.7	22
5	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.	3.1	24
6	On the molecular origin of secondary relaxations in amorphous protic ionic conductor chlorpromazine hydrochloride – High pressure dielectric studies. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 81-87.	3.1	14
7	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.	2.8	39
8	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.	2.1	7
9	The behavior and origin of the excess wing in DEET (N,N-diethyl-3-methylbenzamide). <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9300.	2.8	6
10	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.	3.0	23
11	High pressure study of molecular dynamics of protic ionic liquid lidocaine hydrochloride. <i>Journal of Chemical Physics</i> , 2012, 136, 224501.	3.0	28
12	Dynamics of β -Tetralone at Elevated Pressure and in Mixture with Oligostyrene. <i>Journal of Physical Chemistry B</i> , 2012, 116, 22-29.	2.6	9
13	Identification of the Molecular Motions Responsible for the Slower Secondary (β) Relaxation in Sucrose. <i>Journal of Physical Chemistry B</i> , 2008, 112, 7662-7668.	2.6	48
14	New experimental evidence about secondary processes in phenylphthalein-dimethylether and 1,1-bis(p-methoxyphenyl)cyclohexane. <i>Journal of Chemical Physics</i> , 2007, 127, 114507.	3.0	12
15	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.	3.1	26
16	Secondary dielectric relaxation in decahydroisoquinoline-cyclohexane mixture. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4685-4689.	3.1	10
17	Two secondary modes in decahydroisoquinoline: Which one is the true Johari Goldstein process?. <i>Journal of Chemical Physics</i> , 2005, 122, 234506.	3.0	48
18	Dielectric relaxation processes in water mixtures of tripropylene glycol. <i>Journal of Chemical Physics</i> , 2005, 123, 204506.	3.0	27

#	ARTICLE	IF	CITATIONS
19	Supercooled dynamics of glass-forming liquids and polymers under hydrostatic pressure. Reports on Progress in Physics, 2005, 68, 1405-1478.	20.1	637
20	Effect of pressure on the $\hat{\tau}$ relaxation in glycerol and xylitol. Journal of Chemical Physics, 2002, 116, 9839-9844.	3.0	98
21	The effect of pressure on the structural and secondary relaxations in 1,1'-bis (p-methoxyphenyl) cyclohexane. Journal of Chemical Physics, 2002, 117, 2317-2323.	3.0	65
22	Decoupling of the dc conductivity and ($\hat{\tau}$ -) structural relaxation time in a fragile glass-forming liquid under high pressure. Journal of Chemical Physics, 2002, 116, 9882-9888.	3.0	30
23	Dynamics of Sorbitol at Elevated Pressure. Journal of Physical Chemistry B, 2002, 106, 12459-12463.	2.6	70
24	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
25	Linear and nonlinear dielectric studies in the isotropic and smectic E phases in 4,4-alkyl-4'-isothiocyanatobiphenyl. Journal of Physics Condensed Matter, 2000, 12, 1677-1681.	1.8	8
26	Analysis of "equation of state" for supercooled liquid. Journal of Chemical Physics, 2000, 113, 4374-4378.	3.0	45
27	Scaling behavior of the $\hat{\tau}$ relaxation in fragile glass-forming liquids under conditions of high compression. Physical Review E, 2000, 61, 526-531.	2.1	32
28	Effect of pressure on fragility and glass transition temperature in fragile glass-former. Journal of Chemical Physics, 1999, 110, 10978-10981.	3.0	57