

Stella Hensel-Bielowka

List of Publications by Year in descending order

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28
papers

1,535
citations

394421

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h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercooled dynamics of glass-forming liquids and polymers under hydrostatic pressure. Reports on Progress in Physics, 2005, 68, 1405-1478.	20.1	637
2	Effect of pressure on the $\hat{\tau}$ relaxation in glycerol and xylitol. Journal of Chemical Physics, 2002, 116, 9839-9844.	3.0	98
3	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
4	Dynamics of Sorbitol at Elevated Pressure. Journal of Physical Chemistry B, 2002, 106, 12459-12463.	2.6	70
5	The effect of pressure on the structural and secondary relaxations in 1,1- $\hat{\epsilon}$ -bis (p-methoxyphenyl) cyclohexane. Journal of Chemical Physics, 2002, 117, 2317-2323.	3.0	65
6	Effect of pressure on fragility and glass transition temperature in fragile glass-former. Journal of Chemical Physics, 1999, 110, 10978-10981.	3.0	57
7	Two secondary modes in decahydroisoquinoline: Which one is the true Johari Goldstein process?. Journal of Chemical Physics, 2005, 122, 234506.	3.0	48
8	Identification of the Molecular Motions Responsible for the Slower Secondary ($\hat{\tau}^2$) Relaxation in Sucrose. Journal of Physical Chemistry B, 2008, 112, 7662-7668.	2.6	48
9	Analysis of $\hat{\epsilon}$ -equation of state for supercooled liquid. Journal of Chemical Physics, 2000, 113, 4374-4378.	3.0	45
10	Molecular Origin of Enhanced Proton Conductivity in Anhydrous Ionic Systems. Journal of the American Chemical Society, 2015, 137, 1157-1164.	13.7	41
11	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
12	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
13	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
14	High pressure study of molecular dynamics of protic ionic liquid lidocaine hydrochloride. Journal of Chemical Physics, 2012, 136, 224501.	3.0	28
15	Dielectric relaxation processes in water mixtures of tripropylene glycol. Journal of Chemical Physics, 2005, 123, 204506.	3.0	27
16	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.	3.1	26
17	Heterogeneous Nature of Relaxation Dynamics of Room-Temperature Ionic Liquids (EMIm) ₂ [Co(NCS) ₄] and (BMIm) ₂ [Co(NCS) ₄]. Journal of Physical Chemistry C, 2015, 119, 20363-20368.	3.1	24
18	Effect of pressure on decoupling of ionic conductivity from structural relaxation in hydrated protic ionic liquid, lidocaine HCl. Journal of Chemical Physics, 2013, 138, 204502.	3.0	23

#	ARTICLE	IF	CITATIONS
19	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] ₂ . <i>Soft Matter</i> , 2015, 11, 6520-6526.	2.7	22
20	Synthesis, characterization and dielectric relaxation study of hyperbranched polymers with different molecular architecture. <i>Polymer</i> , 2016, 100, 227-237.	3.8	17
21	On the molecular origin of secondary relaxations in amorphous protic ionic conductor chlorpromazine hydrochloride $\hat{\epsilon}''$ High pressure dielectric studies. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 81-87.	3.1	14
22	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
23	Secondary dielectric relaxation in decahydroisoquinoline-cyclohexane mixture. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4685-4689.	3.1	10
24	Peculiar relaxation dynamics of propylene carbonate derivatives. <i>Journal of Chemical Physics</i> , 2019, 150, 044504.	3.0	10
25	Dynamics of $\hat{\epsilon}''$ -Tetralone at Elevated Pressure and in Mixture with Oligostyrene. <i>Journal of Physical Chemistry B</i> , 2012, 116, 22-29.	2.6	9
26	Linear and nonlinear dielectric studies in the isotropic and smectic E phases in 4,4-alkyl-4'-isothiocyanatobiphenyl. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 1677-1681.	1.8	8
27	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
28	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