

Brooks D Rabideau

List of Publications by Citations

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

612
citations

13
h-index

24
g-index

26
ext. papers

708
ext. citations

3.7
avg, IF

4.31
L-index

#	Paper	IF	Citations
25	Effects of water concentration on the structural and diffusion properties of imidazolium-based ionic liquid-water mixtures. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 1378-88	3.4	95
24	Observed mechanism for the breakup of small bundles of cellulose I β and I α in ionic liquids from molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3469-79	3.4	85
23	The role of the cation in the solvation of cellulose by imidazolium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 1621-9	3.4	71
22	Mechanisms of hydrogen bond formation between ionic liquids and cellulose and the influence of water content. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5767-75	3.6	68
21	Impact of MOF defects on the binary adsorption of CO ₂ and water in UiO-66. <i>Chemical Engineering Science</i> , 2019 , 203, 346-357	4.4	46
20	Cancer Immune Checkpoint Inhibitor Therapy and the Gut Microbiota. <i>Integrative Cancer Therapies</i> , 2019 , 18, 1534735419846379	3	31
19	Making good on a promise: ionic liquids with genuinely high degrees of thermal stability. <i>Chemical Communications</i> , 2018 , 54, 5019-5031	5.8	27
18	The extrusion of a model yield stress fluid imaged by MRI velocimetry. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010 , 165, 394-408	2.7	27
17	Effect of Water Content in N-Methylmorpholine N-Oxide/Cellulose Solutions on Thermodynamics, Structure, and Hydrogen Bonding. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15014-22	3.4	25
16	An investigation of squeeze flow as a viable technique for determining the yield stress. <i>Rheologica Acta</i> , 2009 , 48, 517-526	2.3	24
15	Computational predictions of stable 2D arrays of bidisperse particles. <i>Langmuir</i> , 2005 , 21, 10856-61	4	18
14	Tuning the melting point of selected ionic liquids through adjustment of the cation's dipole moment. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 12301-12311	3.6	14
13	The effect of structural modifications on the thermal stability, melting points and ion interactions for a series of tetraaryl-phosphonium-based mesothermal ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 31560-31571	3.6	14
12	Computational study of the self-organization of bidisperse nanoparticles. <i>Langmuir</i> , 2004 , 20, 9408-14	4	12
11	Definition and computation of intermolecular contact in liquids using additively weighted Voronoi tessellation. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 4657-66	2.8	10
10	The effects of chloride binding on the behavior of cellulose-derived solutes in the ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 9732-43	3.4	9
9	Internal Flow Characteristics of a Plastic Kaolin Suspension During Extrusion. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 494-501	3.8	8

8	Observation of long-range orientational order in monolayers of polydisperse colloids. <i>Langmuir</i> , 2007 , 23, 1270-4	4	7
7	The role of urea in the solubility of cellulose in aqueous quaternary ammonium hydroxide.. <i>RSC Advances</i> , 2020 , 10, 5919-5929	3-7	6
6	Molecular simulation of the separation of toluene and p-xylene with the thermally-robust ionic liquid triphenyl-p-phenyl sulfonyl phenyl phosphonium. <i>Chemical Engineering Science</i> , 2020 , 224, 115790	4-4	5
5	A computational study of the hydrodynamically assisted organization of DNA-functionalized colloids in 2D. <i>Langmuir</i> , 2007 , 23, 10000-7	4	3
4	Molecular Simulation of High-Salinity Brines in Contact with Diisopropylamine and Tripropylamine Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 7917-7925	3-9	3
3	Water Bridges Substitute for Defects in Amine-Functionalized UiO-66, Boosting CO Adsorption. <i>Langmuir</i> , 2021 , 37, 10439-10449	4	3
2	Anionic Ring-Opening Polymerizations of N-Sulfonylaziridines in Ionic Liquids. <i>Macromolecules</i> , 2022 , 55, 623-629	5-5	1
1	Understanding liquid-liquid equilibria in binary mixtures of hydrocarbons with a thermally robust perarylphosphonium-based ionic liquid.. <i>RSC Advances</i> , 2021 , 11, 31328-31338	3-7	0