

Alexander M Smith

List of Publications by Year in descending order

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21
papers

1,985
citations

516561

16
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

1967
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electrostatic Screening Length in Concentrated Electrolytes Increases with Concentration. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2157-2163.	2.1	422
2	Long range electrostatic forces in ionic liquids. <i>Chemical Communications</i> , 2017, 53, 1214-1224.	2.2	285
3	Self-assembly in the electrical double layer of ionic liquids. <i>Chemical Communications</i> , 2011, 47, 6572.	2.2	245
4	Scaling Analysis of the Screening Length in Concentrated Electrolytes. <i>Physical Review Letters</i> , 2017, 119, 026002.	2.9	163
5	Monolayer to Bilayer Structural Transition in Confined Pyrrolidinium-Based Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 378-382.	2.1	145
6	Quantized friction across ionic liquid thin films. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15317.	1.3	135
7	Underscreening in concentrated electrolytes. <i>Faraday Discussions</i> , 2017, 199, 239-259.	1.6	122
8	Molecular Friction Mechanisms Across Nanofilms of a Bilayer-Forming Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4032-4037.	2.1	81
9	Switching the Structural Force in Ionic Liquid-Solvent Mixtures by Varying Composition. <i>Physical Review Letters</i> , 2017, 118, 096002.	2.9	68
10	Monolayer and bilayer structures in ionic liquids and their mixtures confined to nano-films. <i>Faraday Discussions</i> , 2013, 167, 279.	1.6	62
11	Forces between solid surfaces in aqueous electrolyte solutions. <i>Advances in Colloid and Interface Science</i> , 2020, 275, 102078.	7.0	53
12	Direct measurements of ionic liquid layering at a single mica-liquid interface and in nano-films between two mica-liquid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 297-304.	1.3	42
13	Interfacial structure and structural forces in mixtures of ionic liquid with a polar solvent. <i>Faraday Discussions</i> , 2018, 206, 427-442.	1.6	40
14	Unexpectedly Large Decay Lengths of Double-Layer Forces in Solutions of Symmetric, Multivalent Electrolytes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1733-1740.	1.2	26
15	Solidification and superlubricity with molecular alkane films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25418-25423.	3.3	18
16	Influence of Lithium Solutes on Double-Layer Structure of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4857-4861.	2.1	17
17	Structure and dynamics of mica-confined films of [C10C1Pyrr][NTf2] ionic liquid. <i>Journal of Chemical Physics</i> , 2018, 148, 193808.	1.2	15
18	Attractive non-DLVO forces induced by adsorption of monovalent organic ions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 158-164.	1.3	15

#	ARTICLE	IF	CITATIONS
19	Measuring Inner Layer Capacitance with the Colloidal Probe Technique. Colloids and Interfaces, 2018, 2, 65.	0.9	14
20	Interactions between similar and dissimilar charged interfaces in the presence of multivalent anions. Physical Chemistry Chemical Physics, 2018, 20, 9436-9448.	1.3	12
21	Structuring of colloidal silica nanoparticle suspensions near water-silica interfaces probed by specular neutron reflectivity. Physical Chemistry Chemical Physics, 2020, 22, 6449-6456.	1.3	5