

Robert Hayes

List of Publications by Year in descending order

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20
papers

5,073
citations

331670

21
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

4250
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Nanostructure in Ionic Liquids. <i>Chemical Reviews</i> , 2015, 115, 6357-6426.	47.7	1,793
2	At the interface: solvation and designing ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1709.	2.8	377
3	Double Layer Structure of Ionic Liquids at the Au(111) Electrode Interface: An Atomic Force Microscopy Investigation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6855-6863.	3.1	336
4	AFM and STM Studies on the Surface Interaction of [BMP]TfSA and [EMIm]TfSA Ionic Liquids with Au(111). <i>Journal of Physical Chemistry C</i> , 2009, 113, 13266-13272.	3.1	305
5	Amphiphilicity determines nanostructure in protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3237-3247.	2.8	270
6	An in situ STM/AFM and impedance spectroscopy study of the extremely pure 1-butyl-1-methylpyrrolidinium tris(pentafluoroethyl)trifluorophosphate/Au(111) interface: potential dependent solvation layers and the herringbone reconstruction. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6849.	2.8	224
7	The Nature of Hydrogen Bonding in Protic Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4623-4627.	13.8	208
8	Control of Nanoscale Friction on Gold in an Ionic Liquid by a Potential-Dependent Ionic Lubricant Layer. <i>Physical Review Letters</i> , 2012, 109, 155502.	7.8	201
9	The interface ionic liquid(s)/electrode(s): In situ STM and AFM measurements. <i>Faraday Discussions</i> , 2012, 154, 221-233.	3.2	176
10	How Water Dissolves in Protic Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7468-7471.	13.8	173
11	Pronounced Structure in Confined Aprotic Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7049-7052.	2.6	169
12	Pronounced sponge-like nanostructure in propylammonium nitrate. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13544.	2.8	166
13	Structure and dynamics of the interfacial layer between ionic liquids and electrode materials. <i>Journal of Molecular Liquids</i> , 2014, 192, 44-54.	4.9	133
14	Influence of Temperature and Molecular Structure on Ionic Liquid Solvation Layers. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5961-5966.	2.6	123
15	Effect of Cation Alkyl Chain Length and Anion Type on Protic Ionic Liquid Nanostructure. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13998-14008.	3.1	111
16	Effect of dissolved LiCl on the ionic liquid@Au(111) electrical double layer structure. <i>Chemical Communications</i> , 2012, 48, 10246.	4.1	70
17	In situ STM, AFM and DTS study of the interface 1-hexyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate/Au(111). <i>Electrochimica Acta</i> , 2012, 82, 48-59.	5.2	53
18	Solvation of Inorganic Nitrate Salts in Protic Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21215-21225.	3.1	44

#	ARTICLE	IF	CITATIONS
19	Nanostructure of an ionic liquid-glycerol mixture. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13182-13190.	2.8	37
20	Ionic liquid nanostructure enables alcohol self assembly. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12797-12809.	2.8	32