

Richard A O brien

List of Publications by Year in Descending Order

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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.

19
papers

331
citations

9
h-index

18
g-index

20
ext. papers

358
ext. citations

5.4
avg, IF

2.79
L-index

#	Paper	IF	Citations
19	Ionic liquids of superior thermal stability. Validation of PPh as an organic cation of impressive thermodynamic durability.. <i>RSC Advances</i> , 2020 , 10, 20521-20528	3.7	2
18	Thioether-functionalized picolinium ionic liquids: synthesis, physical properties and computational studies. <i>New Journal of Chemistry</i> , 2017 , 41, 1625-1630	3.6	9
17	Lipidic ionic liquid stationary phases for the separation of aliphatic hydrocarbons by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2017 , 1481, 127-136	4.5	23
16	Thermally robust: triarylsulfonium ionic liquids stable in air for 90 days at 300 °C. <i>RSC Advances</i> , 2017 , 7, 7623-7630	3.7	19
15	Biomimetic design of protic lipidic ionic liquids with enhanced fluidity. <i>New Journal of Chemistry</i> , 2016 , 40, 7795-7803	3.6	6
14	Fusion and Thermal Degradation Behavior of Symmetric Sulfur-Containing Quaternary Ammonium Bromides. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 1330-5	3.4	2
13	Liquid-liquid equilibria of binary mixtures of a lipidic ionic liquid with hydrocarbons. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2459-67	3.6	6
12	Synthesis and Properties of Lipid-Inspired Ionic Liquids 2016 , 205-223		2
11	Solubility of CO and NO in an Imidazolium-Based Lipidic Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 10524-10530	3.4	8
10	Click chemistry mediated synthesis of bio-inspired phosphonyl-functionalized ionic liquids. <i>Green Chemistry</i> , 2015 , 17, 1259-1268	10	9
9	Crystal structure of a methimazole-based ionic liquid. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, o1008-9	0.7	2
8	Synthesis of new lipid-inspired ionic liquids by thiol-ene chemistry: profound solvent effect on reaction pathway. <i>Chemistry - A European Journal</i> , 2014 , 20, 7576-80	4.8	25
7	On the formation of a protic ionic liquid in nature. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11762-5	16.4	20
6	The effect of the sulfur position on the melting points of lipidic 1-methyl-3-thiaalkylimidazolium ionic liquids. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10232-9	3.4	20
5	On the Formation of a Protic Ionic Liquid in Nature. <i>Angewandte Chemie</i> , 2014 , 126, 11956-11959	3.6	9
4	Ionic liquids of superior thermal stability. <i>Chemical Communications</i> , 2013 , 49, 7590-2	5.8	81
3	A simple and rapid route to novel tetra(4-thiaalkyl)ammonium bromides. <i>RSC Advances</i> , 2013 , 3, 24612	3.7	10

- 2 Structure-based tuning of T(m) in lipid-like ionic liquids. Insights from Tf2N- salts of gene transfection agents. *Chemical Communications*, **2012**, 48, 7522-4 5.8 11
- 1 The fluid-mosaic model, homeoviscous adaptation, and ionic liquids: dramatic lowering of the melting point by side-chain unsaturation. *Angewandte Chemie - International Edition*, **2010**, 49, 2755-8 16.4 67