

# Kevin N West

## 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.

38  
papers

1,045  
citations

19  
h-index

32  
g-index

38  
ext. papers

1,135  
ext. citations

4.6  
avg, IF

4.05  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 38 | Anionic Ring-Opening Polymerizations of N-Sulfonylaziridines in Ionic Liquids. <i>Macromolecules</i> , <b>2022</b> , 55, 623-629   | 5.5 | 1         |
| 37 | Understanding liquid-liquid equilibria in binary mixtures of hydrocarbons with a thermally robust perarylphosphonium-based ionic liquid.. <i>RSC Advances</i> , <b>2021</b> , 11, 31328-31338  | 3.7 | 0         |
| 36 | Tuning the melting point of selected ionic liquids through adjustment of the cations dipole moment. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 12301-12311   | 3.6 | 14        |
| 35 | The role of urea in the solubility of cellulose in aqueous quaternary ammonium hydroxide.. <i>RSC Advances</i> , <b>2020</b> , 10, 5919-5929   | 3.7 | 6         |
| 34 | Superhydrophobic Functionalization of Cotton Fabric via Reactive Dye Chemistry and a Thiol-ene Click Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 22534-22540  | 3.9 | 8         |
| 33 | Making good on a promise: ionic liquids with genuinely high degrees of thermal stability. <i>Chemical Communications</i> , <b>2018</b> , 54, 5019-5031   | 5.8 | 27        |
| 32 | Synthesis and Characterization of UiO-66-NH <sub>2</sub> Metal-Organic Framework Cotton Composite Textiles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 9151-9161   | 3.9 | 47        |
| 31 | Thioether-functionalized picolinium ionic liquids: synthesis, physical properties and computational studies. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1625-1630   | 3.6 | 9         |
| 30 | An evaluation of anion suitability for use in ionic liquids with long-term, high-temperature thermal stability. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 7844-7848  | 3.6 | 16        |
| 29 | 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> , <b>2017</b> , 19, 31560-31571 | 3.6 | 14        |
| 28 | Synthesis, thermal stability, and computed bond dissociation energies of tetraarylphosphonium-based mesothermal ionic liquids bearing a quinoline ring system. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 4628-4631                                | 2   | 12        |
| 27 | Thermally robust: triarylsulfonium ionic liquids stable in air for 90 days at 300 °C. <i>RSC Advances</i> , <b>2017</b> , 7, 7623-7630   | 3.7 | 19        |
| 26 | Fusion and Thermal Degradation Behavior of Symmetric Sulfur-Containing Quaternary Ammonium Bromides. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 1330-5  | 3.4 | 2         |
| 25 | Liquid-liquid equilibria of binary mixtures of a lipidic ionic liquid with hydrocarbons. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 2459-67  | 3.6 | 6         |
| 24 | Solubility of CO and NO in an Imidazolium-Based Lipidic Ionic Liquid. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 10524-10530  | 3.4 | 8         |
| 23 | Porous Solids Impregnated with Task-Specific Ionic Liquids as Composite Sorbents. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20681-20697  | 3.8 | 48        |
| 22 | Modification of Fibers with Nanostructures Using Reactive Dye Chemistry. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 3821-3827  | 3.9 | 29        |

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|----|--|------|-----|
| 21 | Ethane and Ethylene Solubility in an Imidazolium-Based Lipidic Ionic Liquid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 5165-5171  | 3.9  | 19  |
| 20 | Thermophysical and absorption properties of brominated vegetable oil. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 211, 647-655   | 6    | 6   |
| 19 | Multi-ion ionic liquids and a direct, reproducible, diversity-oriented way to make them. <i>Chemical Communications</i> , <b>2015</b> , 51, 15914-6  | 5.8  | 5   |
| 18 | Synthesis of new lipid-inspired ionic liquids by thiol-ene chemistry: profound solvent effect on reaction pathway. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 7576-80                               | 4.8  | 25  |
| 17 | On the formation of a protic ionic liquid in nature. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11762-5  | 16.4 | 20  |
| 16 | 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> , <b>2014</b> , 118, 10232-9                              | 3.4  | 20  |
| 15 | On the Formation of a Protic Ionic Liquid in Nature. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11956-11959   | 3.6  | 9   |
| 14 | Building a bridge between aprotic and protic ionic liquids. <i>RSC Advances</i> , <b>2013</b> , 3, 337-340   | 3.7  | 35  |
| 13 | A simple and rapid route to novel tetra(4-thiaalkyl)ammonium bromides. <i>RSC Advances</i> , <b>2013</b> , 3, 24612  | 3.7  | 10  |
| 12 | Synthesis and thermophysical properties of ionic liquids: cyclopropyl moieties versus olefins as Tm-reducing elements in lipid-inspired ionic liquids. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 12-14        | 2    | 19  |
| 11 | Thermophysical Properties of Imidazolium-Based Lipidic Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2013</b> , 58, 1516-1522  | 2.8  | 25  |
| 10 | Lipid-Inspired Ionic Liquids Containing Long-Chain Appendages: Novel Class of Biomaterials with Attractive Properties and Applications. <i>ACS Symposium Series</i> , <b>2012</b> , 199-216                        | 0.4  | 9   |
| 9  | Structure-based tuning of T(m) in lipid-like ionic liquids. Insights from Tf2N- salts of gene transfection agents. <i>Chemical Communications</i> , <b>2012</b> , 48, 7522-4                                       | 5.8  | 11  |
| 8  | Functionalized ionic liquids with highly polar polyhydroxylated appendages and their rapid synthesis via thiol-ene click chemistry. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 5173-5175                       | 2    | 19  |
| 7  | The fluid-mosaic model, homeoviscous adaptation, and ionic liquids: dramatic lowering of the melting point by side-chain unsaturation. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2755-8 | 16.4 | 67  |
| 6  | Analysis of ammonia decomposition reactor to generate hydrogen for fuel cell applications. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 829-833  | 8.9  | 36  |
| 5  | CO <sub>2</sub> -Induced Miscibility of Fluorous and Organic Solvents for Recycling Homogeneous Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 4827-4832                    | 3.9  | 43  |
| 4  | Catalytic partial oxidation of higher hydrocarbons at millisecond contact times: decane, hexadecane, and diesel fuel. <i>Journal of Catalysis</i> , <b>2003</b> , 215, 332-343                                     | 7.3  | 147 |

- 3 Syngas in millisecond reactors: higher alkanes and fast lightoff. *Chemical Engineering Science*, **2003**, 58, 1037-1041 4.4 59
- 2 Ionic liquids as catalytic green solvents for nucleophilic displacement reactions. *Chemical Communications*, **2001**, 887-888 5.8 100
- 1 In Situ Formation of Alkylcarbonic Acids with CO<sub>2</sub>. *Journal of Physical Chemistry A*, **2001**, 105, 3947-3948 2.8 95