

# Kevin N West

## List of Publications by Year in descending order

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37  
papers

1,269  
citations

377584

21  
h-index

406436

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anionic Ring-Opening Polymerizations of <i>N</i> -Sulfonylaziridines in Ionic Liquids. <i>Macromolecules</i> , 2022, 55, 623-629.	2.2	9
2	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.	1.7	2
3	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.	1.3	36
4	The role of urea in the solubility of cellulose in aqueous quaternary ammonium hydroxide. <i>RSC Advances</i> , 2020, 10, 5919-5929.	1.7	9
5	Superhydrophobic Functionalization of Cotton Fabric via Reactive Dye Chemistry and a Thiol-ene Click Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22534-22540.	1.8	11
6	Making good on a promise: ionic liquids with genuinely high degrees of thermal stability. <i>Chemical Communications</i> , 2018, 54, 5019-5031.	2.2	35
7	Synthesis and Characterization of UiO-66-NH <sub>2</sub> Metal-Organic Framework Cotton Composite Textiles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 9151-9161.	1.8	65
8	Thioether-functionalized picolinium ionic liquids: synthesis, physical properties and computational studies. <i>New Journal of Chemistry</i> , 2017, 41, 1625-1630.	1.4	11
9	An evaluation of anion suitability for use in ionic liquids with long-term, high-temperature thermal stability. <i>New Journal of Chemistry</i> , 2017, 41, 7844-7848.	1.4	17
10	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.	1.3	19
11	Synthesis, thermal stability, and computed bond dissociation energies of tetraarylphosphonium-based mesothermal ionic liquids bearing a quinoline ring system. <i>Tetrahedron Letters</i> , 2017, 58, 4628-4631.	0.7	14
12	Thermally robust: triarylsulfonium ionic liquids stable in air for 90 days at 300 °C. <i>RSC Advances</i> , 2017, 7, 7623-7630.	1.7	23
13	Solubility of CO <sub>2</sub> and N <sub>2</sub> O in an Imidazolium-Based Lipidic Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10524-10530.	1.2	13
14	Fusion and Thermal Degradation Behavior of Symmetric Sulfur-Containing Quaternary Ammonium Bromides. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1330-1335.	1.2	2
15	Liquid-liquid equilibria of binary mixtures of a lipidic ionic liquid with hydrocarbons. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2459-2467.	1.3	6
16	Porous Solids Impregnated with Task-Specific Ionic Liquids as Composite Sorbents. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20681-20697.	1.5	64
17	Modification of Fibers with Nanostructures Using Reactive Dye Chemistry. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 3821-3827.	1.8	32
18	Ethane and Ethylene Solubility in an Imidazolium-Based Lipidic Ionic Liquid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 5165-5171.	1.8	25

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19	Thermophysical and absorption properties of brominated vegetable oil. <i>Journal of Molecular Liquids</i> , 2015, 211, 647-655.	2.3	7
20	Multi-ion ionic liquids and a direct, reproducible, diversity-oriented way to make them. <i>Chemical Communications</i> , 2015, 51, 15914-15916.	2.2	5
21	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, 7576-7580.	1.7	33
22	On the Formation of a Protic Ionic Liquid in Nature. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11762-11765.	7.2	26
23	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, 10232-10239.	1.2	21
24	Building a bridge between aprotic and protic ionic liquids. <i>RSC Advances</i> , 2013, 3, 337-340.	1.7	38
25	A simple and rapid route to novel tetra(4-thiaalkyl)ammonium bromides. <i>RSC Advances</i> , 2013, 3, 24612.	1.7	11
26	Synthesis and thermophysical properties of ionic liquids: cyclopropyl moieties versus olefins as T <sub>m</sub> -reducing elements in lipid-inspired ionic liquids. <i>Tetrahedron Letters</i> , 2013, 54, 12-14.	0.7	22
27	Thermophysical Properties of Imidazolium-Based Lipidic Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 1516-1522.	1.0	30
28	Lipid-Inspired Ionic Liquids Containing Long-Chain Appendages: Novel Class of Biomaterials with Attractive Properties and Applications. <i>ACS Symposium Series</i> , 2012, , 199-216.	0.5	11
29	Structure-based tuning of T <sub>m</sub> in lipid-like ionic liquids. Insights from Tf <sub>2</sub> N <sup>+</sup> salts of gene transfection agents. <i>Chemical Communications</i> , 2012, 48, 7522.	2.2	12
30	Functionalized ionic liquids with highly polar polyhydroxylated appendages and their rapid synthesis via thiol-ene click chemistry. <i>Tetrahedron Letters</i> , 2011, 52, 5173-5175.	0.7	21
31	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> , 2010, 49, 2755-2758.	7.2	76
32	Analysis of ammonia decomposition reactor to generate hydrogen for fuel cell applications. <i>Journal of Power Sources</i> , 2010, 195, 829-833.	4.0	48
33	CO <sub>2</sub> -Induced Miscibility of Fluorous and Organic Solvents for Recycling Homogeneous Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 4827-4832.	1.8	51
34	Catalytic partial oxidation of higher hydrocarbons at millisecond contact times: decane, hexadecane, and diesel fuel. <i>Journal of Catalysis</i> , 2003, 215, 332-343.	3.1	172
35	Syngas in millisecond reactors: higher alkanes and fast lightoff. <i>Chemical Engineering Science</i> , 2003, 58, 1037-1041.	1.9	68
36	Ionic liquids as catalytic green solvents for nucleophilic displacement reactions. <i>Chemical Communications</i> , 2001, , 887-888.	2.2	110

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37	In Situ Formation of Alkylcarbonic Acids with CO <sub>2</sub> . Journal of Physical Chemistry A, 2001, 105, 3947-3948.	1.1	104