

# Scott P O Danielsen

## List of Publications by Year in descending order

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29  
papers

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516215

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times ranked

1367  
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#	ARTICLE	IF	CITATIONS
1	Free Volume as the Basis of Gas Solubility and Selectivity in Imidazolium-Based Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 5565-5576.	1.8	210
2	Complete Phase Diagram for Liquid-Liquid Phase Separation of Intrinsically Disordered Proteins. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1644-1652.	2.1	204
3	Molecular Characterization of Polymer Networks. <i>Chemical Reviews</i> , 2021, 121, 5042-5092.	23.0	140
4	Molecular design of self-coacervation phenomena in block polyampholytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8224-8232.	3.3	88
5	Evaluation of Alkylimidazoles as Physical Solvents for CO <sub>2</sub> /CH <sub>4</sub> Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 515-522.	1.8	50
6	Formation of Multicompartment Ion Gels by Stepwise Self-Assembly of a Thermoresponsive ABC Triblock Terpolymer in an Ionic Liquid. <i>Macromolecules</i> , 2016, 49, 2298-2306.	2.2	46
7	Small ion effects on self-coacervation phenomena in block polyampholytes. <i>Journal of Chemical Physics</i> , 2019, 151, 034904.	1.2	46
8	Mixed Conductive Soft Solids by Electrostatically Driven Network Formation of a Conjugated Polyelectrolyte. <i>Chemistry of Materials</i> , 2018, 30, 1417-1426.	3.2	41
9	Properties and Performance of Ether-Functionalized Imidazoles as Physical Solvents for CO <sub>2</sub> Separations. <i>Energy &amp; Fuels</i> , 2013, 27, 3349-3357.	2.5	37
10	Sequence Effects on Block Copolymer Self-Assembly through Tuning Chain Conformation and Segregation Strength Utilizing Sequence-Defined Polypeptoids. <i>Macromolecules</i> , 2019, 52, 1277-1286.	2.2	37
11	Complexation of a Conjugated Polyelectrolyte and Impact on Optoelectronic Properties. <i>ACS Macro Letters</i> , 2019, 8, 88-94.	2.3	37
12	Properties of alkylbenzimidazoles for CO <sub>2</sub> and SO <sub>2</sub> capture and comparisons to ionic liquids. <i>Science China Chemistry</i> , 2012, 55, 1638-1647.	4.2	29
13	Ion Pairing and the Structure of Gel Coacervates. <i>Macromolecules</i> , 2020, 53, 9420-9442.	2.2	29
14	Chain Stiffness of Donor-Acceptor Conjugated Polymers in Solution. <i>Macromolecules</i> , 2022, 55, 437-449.	2.2	29
15	Effects of Helical Chain Shape on Lamellae-Forming Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2019, 52, 2560-2568.	2.2	24
16	Building Blocks for Ionic Liquids: Vapor Pressures and Vaporization Enthalpies of 1-( <i>n</i> -Alkyl)-benzimidazoles. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1803-1809.	1.0	19
17	Monomer Sequence Effects on Interfacial Width and Mixing in Self-Assembled Diblock Copolymers. <i>Macromolecules</i> , 2020, 53, 3262-3272.	2.2	19
18	Aqueous Formulation of Concentrated Semiconductive Fluid Using Polyelectrolyte Coacervation. <i>ACS Macro Letters</i> , 2021, 10, 1008-1014.	2.3	17

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19	Enhanced photopolymerization rate & conversion of 1-vinylimidazole in the presence of lithium bistriflimide. <i>European Polymer Journal</i> , 2014, 60, 92-97.	2.6	16
20	Absence of Electrostatic Rigidity in Conjugated Polyelectrolytes with Pendant Charges. <i>ACS Macro Letters</i> , 2019, 8, 1147-1152.	2.3	15
21	Building Blocks for Ionic Liquids: Vapor Pressures and Vaporization Enthalpies of Alkoxy Derivatives of Imidazole and Benzimidazole. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 15517-15524.	1.8	13
22	Li <sup>+</sup> and Oxidant Addition To Control Ionic and Electronic Conduction in Ionic Liquid-Functionalized Conjugated Polymers. <i>Chemistry of Materials</i> , 2021, 33, 6464-6474.	3.2	13
23	Ionic Tunability of Conjugated Polyelectrolyte Solutions. <i>Macromolecules</i> , 2022, 55, 3437-3448.	2.2	11
24	Retardation of shape change of Au nanorods using photo-crosslinkable ligands. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 301-307.	2.4	10
25	Insensitivity of Sterically Defined Helical Chain Conformations to Solvent Quality in Dilute Solution. <i>ACS Macro Letters</i> , 2020, 9, 849-854.	2.3	8
26	Optimization of Amine-Rich Multilayer Thin Films for the Capture and Quantification of Prostate-Specific Antigen. <i>Langmuir</i> , 2015, 31, 5479-5488.	1.6	7
27	Anomalous Solute Diffusivity in Ionic Liquids: Label-Free Visualization and Physical Origins. <i>Physical Review X</i> , 2019, 9, .	2.8	6
28	Discrete, Shallow Doping of Semiconductors via Cylinder-Forming Block Copolymer Self-Assembly. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	3
29	Nanolatticed Architecture Mitigates Damage in Shark Egg Cases. <i>Nano Letters</i> , 2021, 21, 8080-8085.	4.5	2