

Jacob L Thelen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nonflammable perfluoropolyether-based electrolytes for lithium batteries. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3327-3331.	7.1	182
2	Structure and Ionic Conductivity of Polystyrene- <i>b</i> -poly(ethylene oxide) Electrolytes in the High Salt Concentration Limit. Macromolecules, 2016, 49, 1770-1780.	4.8	129
3	Effect of Lithium-Ion Concentration on Morphology and Ion Transport in Single-Ion-Conducting Block Copolymer Electrolytes. Macromolecules, 2015, 48, 6589-6595.	4.8	125
4	Effect of Grain Size on the Ionic Conductivity of a Block Copolymer Electrolyte. Macromolecules, 2014, 47, 5424-5431.	4.8	119
5	Relationship between Ion Dissociation, Melt Morphology, and Electrochemical Performance of Lithium and Magnesium Single-Ion Conducting Block Copolymers. Macromolecules, 2016, 49, 9139-9147.	4.8	66
6	Phase Behavior and Electrochemical Characterization of Blends of Perfluoropolyether, Poly(ethylene oxide) and Poly(ethylene glycol). Macromolecules, 2017, 50, 1000-1008.	6.7	58
7	Phase Behavior of a Block Copolymer/Salt Mixture through the Order-to-Disorder Transition. Macromolecules, 2014, 47, 2666-2673.	4.8	50
8	Relationship between Mobility and Lattice Strain in Electrochemically Doped Poly(3-hexylthiophene). ACS Macro Letters, 2015, 4, 1386-1391.	4.8	33
9	Vapor deposition of a nonmesogen prepares highly structured organic glasses. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21421-21426.	7.1	30
10	Correlations between Salt-Induced Crystallization, Morphology, Segmental Dynamics, and Conductivity in Amorphous Block Copolymer Electrolytes. Macromolecules, 2018, 51, 1733-1740.	4.8	27
11	Crosslinked perfluoropolyether solid electrolytes for lithium ion transport. Solid State Ionics, 2017, 310, 71-80.	2.7	21
12	Influence of Miscibility on Poly(ethylene oxide) Crystallization from Disordered Melts of Block Copolymers with Lithium and Magnesium Counterions. Macromolecules, 2017, 50, 4827-4839.	4.8	13
13	Evolution of Grain Structure during Disorder-to-Order Transitions in a Block Copolymer/Salt Mixture Studied by Depolarized Light Scattering. Macromolecules, 2014, 47, 5784-5792.	4.8	12
14	Lithium Metal-Copper Vanadium Oxide Battery with a Block Copolymer Electrolyte. Journal of the Electrochemical Society, 2016, 163, A2447-A2455.	2.9	11
15	Polyanion Electrolytes with Well-Ordered Ionic Layers in Simulations and Experiment. Macromolecules, 2019, 52, 5518-5528.	4.8	11
16	Effect of Copolymer Composition on Electronic Conductivity of Electrochemically Oxidized Poly(3-hexylthiophene)- <i>b</i> -poly(ethylene oxide) Block Copolymers. Chemistry of Materials, 2015, 27, 5141-5148.	6.7	10
17	Molecular Orientation Depth Profiles in Organic Glasses Using Polarized Resonant Soft X-ray Reflectivity. Chemistry of Materials, 2020, 32, 6295-6309.	6.7	10
18	Formation of disulfonated poly(arylene ether sulfone) thin film desalination membranes plasticized with poly(ethylene glycol) by solvent-free melt extrusion. Polymer, 2017, 109, 106-114.	3.8	9

#	ARTICLE	IF	CITATIONS
19	Incipient microphase separation in short chain perfluoropolyether-block-poly(ethylene oxide) copolymers. <i>Soft Matter</i> , 2017, 13, 4047-4056.	2.7	7
20	Characterization of the Interfacial Orientation and Molecular Conformation in a Glass-Forming Organic Semiconductor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3455-3466.	8.0	5
21	Buried Structure in Block Copolymer Films Revealed by Soft X-ray Reflectivity. <i>ACS Nano</i> , 2021, 15, 9577-9587.	14.6	2
22	Detection of the Order-to-Disorder Transition in Block Copolymer Electrolytes Using Quadrupolar ⁷ Li NMR Splitting. <i>ACS Macro Letters</i> , 2019, 8, 107-112.	4.8	1