Jacob L Thelen

List of Publications by Year
in descending order

22	931	840776 11	677142 22
papers	citations	h-index	g-index

22	22	22	1299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of the Interfacial Orientation and Molecular Conformation in a Glass-Forming Organic Semiconductor. ACS Applied Materials & Interfaces, 2022, 14, 3455-3466.	8.0	5
2	Buried Structure in Block Copolymer Films Revealed by Soft X-ray Reflectivity. ACS Nano, 2021, 15, 9577-9587.	14.6	2
3	Molecular Orientation Depth Profiles in Organic Glasses Using Polarized Resonant Soft X-ray Reflectivity. Chemistry of Materials, 2020, 32, 6295-6309.	6.7	10
4	Polyanion Electrolytes with Well-Ordered Ionic Layers in Simulations and Experiment. Macromolecules, 2019, 52, 5518-5528.	4.8	11
5	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
6	Detection of the Order-to-Disorder Transition in Block Copolymer Electrolytes Using Quadrupolar 7Li NMR Splitting. ACS Macro Letters, 2019, 8, 107-112.	4.8	1
7	Correlations between Salt-Induced Crystallization, Morphology, Segmental Dynamics, and Conductivity in Amorphous Block Copolymer Electrolytes. Macromolecules, 2018, 51, 1733-1740.	4.8	27
8	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
9	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
10	Incipient microphase separation in short chain perfluoropolyether-block-poly(ethylene oxide) copolymers. Soft Matter, 2017, 13, 4047-4056.	2.7	7
11	Crosslinked perfluoropolyether solid electrolytes for lithium ion transport. Solid State Ionics, 2017, 310, 71-80.	2.7	21
12	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
13	Lithium Metal-Copper Vanadium Oxide Battery with a Block Copolymer Electrolyte. Journal of the Electrochemical Society, 2016, 163, A2447-A2455.	2.9	11
14	Structure and Ionic Conductivity of Polystyrene-<i>block</i>-poly(ethylene oxide) Electrolytes in the High Salt Concentration Limit. Macromolecules, 2016, 49, 1770-1780.	4.8	129
15	Phase Behavior and Electrochemical Characterization of Blends of Perfluoropolyether, Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over	6.7	58
16	Effect of Copolymer Composition on Electronic Conductivity of Electrochemically Oxidized Poly(3-hexylthiophene)-b-poly(ethylene oxide) Block Copolymers. Chemistry of Materials, 2015, 27, 5141-5148.	6.7	10
17	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
18	Relationship between Mobility and Lattice Strain in Electrochemically Doped Poly(3-hexylthiophene). ACS Macro Letters, 2015, 4, 1386-1391.	4.8	33

#	Article	IF	Citations
19	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
20	Phase Behavior of a Block Copolymer/Salt Mixture through the Order-to-Disorder Transition. Macromolecules, 2014, 47, 2666-2673.	4.8	50
21	Effect of Grain Size on the Ionic Conductivity of a Block Copolymer Electrolyte. Macromolecules, 2014, 47, 5424-5431.	4.8	119
22	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