

Ksenia Timachova

List of Publications by Year in descending order

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15
papers

923
citations

840776

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docs citations

15
times ranked

1137
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative Transference Numbers in Poly(ethylene oxide)-Based Electrolytes. <i>Journal of the Electrochemical Society</i> , 2017, 164, E3569-E3575.	2.9	178
2	Effect of Molecular Weight and Salt Concentration on Ion Transport and the Transference Number in Polymer Electrolytes. <i>Macromolecules</i> , 2015, 48, 7882-7888.	4.8	153
3	Relationship between Conductivity, Ion Diffusion, and Transference Number in Perfluoropolyether Electrolytes. <i>Macromolecules</i> , 2016, 49, 3508-3515.	4.8	114
4	Diffusion and migration in polymer electrolytes. <i>Progress in Polymer Science</i> , 2020, 103, 101220.	24.7	100
5	Optimizing Ion Transport in Polyether-Based Electrolytes for Lithium Batteries. <i>Macromolecules</i> , 2018, 51, 2847-2858.	4.8	86
6	Negative Stefan-Maxwell Diffusion Coefficients and Complete Electrochemical Transport Characterization of Homopolymer and Block Copolymer Electrolytes. <i>Journal of the Electrochemical Society</i> , 2018, 165, A2766-A2773.	2.9	81
7	<i>50th Anniversary Perspective</i>: Phase Behavior of Polymer Solutions and Blends. <i>Macromolecules</i> , 2017, 50, 3051-3065.	4.8	78
8	Anisotropic Ion Diffusion and Electrochemically Driven Transport in Nanostructured Block Copolymer Electrolytes. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1537-1544.	2.6	39
9	Liquid perfluoropolyether electrolytes with enhanced ionic conductivity for lithium battery applications. <i>Polymer</i> , 2016, 100, 126-133.	3.8	26
10	Mechanism of ion transport in perfluoropolyether electrolytes with a lithium salt. <i>Soft Matter</i> , 2017, 13, 5389-5396.	2.7	23
11	Theoretical Interpretation of Ion Velocities in Concentrated Electrolytes Measured by Electrophoretic NMR. <i>Journal of the Electrochemical Society</i> , 2019, 166, A264-A267.	2.9	19
12	Lithium Salt Distribution and Thermodynamics in Electrolytes Based on Short Perfluoropolyether- <i>block</i> -Poly(ethylene oxide) Copolymers. <i>Macromolecules</i> , 2020, 53, 1142-1153.	4.8	12
13	Incipient microphase separation in short chain perfluoropolyether-block-poly(ethylene oxide) copolymers. <i>Soft Matter</i> , 2017, 13, 4047-4056.	2.7	7
14	Ion diffusion across a disorder-to-order phase transition in a poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (oxide)-<i>b</i>	3.4	6
	Engineering, 2019, 4, 357-364.		
15	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