

Molecular Dynamics Simulations of Ionic Liquids and Electric Fields

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of proximity to ionic liquid-solvent demixing on electrical double layers. <i>Journal of Molecular Liquids</i> , 2019, 294, 111368.	2.3	12
2	Effect of an external electric field on the dynamics and intramolecular structures of ions in an ionic liquid. <i>Journal of Chemical Physics</i> , 2019, 151, 164503.	1.2	24
3	Transferable, Polarizable Force Field for Ionic Liquids. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 5858-5871.	2.3	108
4	Superionic liquids in conducting nanoslits: A variety of phase transitions and ensuing charging behavior. <i>Journal of Chemical Physics</i> , 2019, 151, 184105.	1.2	9
5	Accurate Biomolecular Simulations Account for Electronic Polarization. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 143.	1.6	46
6	Predicting Melting Points of Biofriendly Choline-Based Ionic Liquids with Molecular Dynamics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5367.	1.3	7
7	Thermodynamic and Transport Properties Modeling of Deep Eutectic Solvents: A Review on E -Models, Equations of State, and Molecular Dynamics. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 943-967.	1.0	52
8	Molecular Dynamics Simulations of Polymer-Ionic Liquid (1-Ethyl-3-methylimidazolium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Information and Modeling, 2020, 60, 485-499.	2.5	23
9	Polarizable MD simulations of ionic liquids: How does additional charge transfer change the dynamics?. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 467-477.	1.3	17
10	Ion pair free energy surface as a probe of ionic liquid structure. <i>Journal of Chemical Physics</i> , 2020, 152, 014103.	1.2	7
11	Effect of Zwitterionic Molecules on Ionic Transport under Electric Fields: A Molecular Simulation Study. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 385-395.	1.0	8
12	Self-Consistent Scheme Combining MD and Order- N DFT Methods: An Improved Set of Nonpolarizable Force Fields for Ionic Liquids. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 651-665.	2.3	15
13	Quantum mechanical and molecular dynamic approaches to describe solvation effects by neoteric solvents. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 26, 100395.	3.2	0
14	On-site-coagulation gel polymer electrolytes with a high dielectric constant for lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 480, 228802.	4.0	16
15	Diffusion of ions and solvent in propylene carbonate solutions for lithium-ion battery applications. <i>Journal of Molecular Liquids</i> , 2020, 320, 114351.	2.3	14
16	Small Groups, Big Impact: Eliminating Li ⁺ Traps in Single-Ion Conducting Polymer Electrolytes. <i>IScience</i> , 2020, 23, 101417.	1.9	20
17	Glucopyranoside-substituted imidazolium-based chiral ionic liquids for Pd-catalyzed homo-coupling of arylboronic acids in water. <i>Journal of Carbohydrate Chemistry</i> , 2020, 39, 288-299.	0.4	8
18	Developing high safety Li-metal anodes for future high-energy Li-metal batteries: strategies and perspectives. <i>Chemical Society Reviews</i> , 2020, 49, 5407-5445.	18.7	264

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20	Cohesiveness and Nondiffusive Rotational Jump Dynamics of Protic Ionic Liquid from Dispersion-Corrected FPMD Simulations. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10752-10765.	1.2	5
21	Molecular simulation of osmometry in aqueous solutions of the BMIMCl ionic liquid: a potential route to force field parameterization of liquid mixtures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 28325-28338.	1.3	3
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378	Diffusion and Ion-Ion Correlations in EC-LiTFSI Electrolytes. <i>Advances in Sustainability Science and Technology</i> , 2024, , 59-70.	0.4	0