

Ajay Muralidharan

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

133
citations

1306789

7
h-index

1372195

10
g-index

13
all docs

13
docs citations

13
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Dynamics of Lithium Ion Transport in a Model Solid Electrolyte Interphase. Scientific Reports, 2018, 8, 10736.	1.6	33
2	Hydration Mimicry by Membrane Ion Channels. Annual Review of Physical Chemistry, 2020, 71, 461-484.	4.8	27
3	Assessment of Simple Models for Molecular Simulation of Ethylene Carbonate and Propylene Carbonate as Solvents for Electrolyte Solutions. Topics in Current Chemistry, 2018, 376, 7.	3.0	15
4	Quasi-chemical theory for anion hydration and specific ion effects: Cl^- vs. F^- Anion Hydration. Journal of Physical Chemistry A, 2018, 122, 9806-9812.	2.1	2
5	Quasi-Chemical Theory with Cluster Sampling from Ab Initio Molecular Dynamics: Fluoride (F^-) Anion Hydration. Journal of Physical Chemistry A, 2018, 122, 9806-9812.	1.1	12
6	Molecular Dynamics Simulations of Lithium Ion Transport through a Model Solid Electrolyte Interphase (SEI) Layer. ECS Transactions, 2017, 77, 1155-1162.	0.3	8
7	Why Lithium Ions Stick to Some Anions and Not Others. Journal of Physical Chemistry B, 2021, 125, 4447-4455.	1.2	8
8	Molecular Simulation Results on Charged Carbon Nanotube Forest-Based Supercapacitors. ChemSusChem, 2018, 11, 1927-1932.	3.6	7
9	Comparison of single-ion molecular dynamics in common solvents. Journal of Chemical Physics, 2018, 148, 222821.	1.2	5
10	Solvation Induced Ring Puckering Effect in Fluorinated Prolines and Its Inclusion in Classical Force Fields. Journal of Physical Chemistry B, 2020, 124, 5899-5906.	1.2	3
11	Shapes of Nonsymmetric Capillary Bridges. Journal of Physical Chemistry B, 2021, 125, 12378-12383.	1.2	0
12	Fast estimation of ion-pairing for screening electrolytes: A cluster can approximate a bulk liquid. Journal of Chemical Physics, 2022, 156, 054801.	1.2	0