# Ajay Muralidharan

List of Publications by Year
in descending order



| 12 | 133 | 1306789 7 | 1372195 10 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 13 | 13 | 13 | 237 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Why Lithium Ions Stick to Some Anions and Not Others. Journal of Physical Chemistry B, 2021, 125, 4447-4455. | 1.2 | 8 |
| 3 | Shapes of Nonsymmetric Capillary Bridges. Journal of Physical Chemistry B, 2021, 125, 12378-12383. | 1.2 | 0 |
| 4 | 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 |
| 5 | Hydration Mimicry by Membrane Ion Channels. Annual Review of Physical Chemistry, 2020, 71, 461-484. | 4.8 | 27 |
| 6 | Quasi-chemical theory for anion hydration and specific ion effects: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si36.svg"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">Cl</mml:mi></mml:mrow><mml:mrow><mml:mo>-</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> vs. <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si37.svg"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">F</mml:mi></ | 2.1 | 15 |
| 7 | Comparison of single-ion molecular dynamics in common solvents. Journal of Chemical Physics, 2018, 148, 222821. | 1.2 | 5 |
| 8 | 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 |
| 9 | Molecular Simulation Results on Charged Carbon Nanotube Forestâ€Based Supercapacitors. ChemSusChem, 2018, 11, 1927-1932. | 3.6 | 7 |
| 10 | Quasi-Chemical Theory with Cluster Sampling from Ab Initio Molecular Dynamics: Fluoride (F<sup>â€“</sup>) Anion Hydration. Journal of Physical Chemistry A, 2018, 122, 9806-9812. | 1.1 | 12 |
| 11 | Molecular Dynamics of Lithium Ion Transport in a Model Solid Electrolyte Interphase. Scientific Reports, 2018, 8, 10736. | 1.6 | 33 |
| 12 | Molecular Dynamics Simulations of Lithium Ion Transport through a Model Solid Electrolyte Interphase (SEI) Layer. ECS Transactions, 2017, 77, 1155-1162. | 0.3 | 8 |