

H Jeremy Cho

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

815
citations

932766

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1125271

13
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docs citations

16
times ranked

1136
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Nanoengineered materials for liquid-vapour phase-change heat transfer. Nature Reviews Materials, 2017, 2, . | 23.3 | 431 |
| 2 | Turning bubbles on and off during boiling using charged surfactants. Nature Communications, 2015, 6, 8599. | 5.8 | 115 |
| 3 | Under pressure: Hydrogel swelling in a granular medium. Science Advances, 2021, 7, . | 4.7 | 62 |
| 4 | Characterization of Adsorption Enthalpy of Novel Water-Stable Zeolites and Metal-Organic Frameworks. Scientific Reports, 2016, 6, 19097. | 1.6 | 59 |
| 5 | Salt rejection in flow-between capacitive deionization devices. Desalination, 2018, 437, 154-163. | 4.0 | 35 |
| 6 | Adsorption and Denaturation of Structured Polymeric Nanoparticles at an Interface. Nano Letters, 2018, 18, 4854-4860. | 4.5 | 20 |
| 7 | Crack formation and self-closing in shrinkable, granular packings. Soft Matter, 2019, 15, 4689-4702. | 1.2 | 18 |
| 8 | Porosimetry and packing morphology of vertically aligned carbon nanotube arrays via impedance spectroscopy. Nanotechnology, 2017, 28, 05LT01. | 1.3 | 15 |
| 9 | Bubble nucleation, growth, and departure: A new, dynamic understanding. International Journal of Heat and Mass Transfer, 2019, 145, 118803. | 2.5 | 15 |
| 10 | Liquid Evaporation on Superhydrophobic and Superhydrophilic Nanostructured Surfaces. Journal of Heat Transfer, 2011, 133, . | 1.2 | 13 |
| 11 | Predicting Surface Tensions of Surfactant Solutions from Statistical Mechanics. Langmuir, 2018, 34, 2386-2395. | 1.6 | 10 |
| 12 | Understanding Enhanced Boiling With Triton X Surfactants. , 2013, , . | | 8 |
| 13 | Scaling Law for Cracking in Shrinkable Granular Packings. Physical Review Letters, 2019, 123, 158004. | 2.9 | 8 |
| 14 | Scaling laws to predict humidity-induced swelling and stiffness in hydrogels. Soft Matter, 2021, 17, 9893-9900. | 1.2 | 6 |
| 15 | Wetting Characteristics of a Phospholipid Membrane Using Molecular Dynamics Simulation. , 2010, , . | | 0 |
| 16 | Characterization of Lipid Membrane Properties for Tunable Electroporation. , 2012, , . | | 0 |