

Ali Davoodabadi

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

403
citations

840585

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h-index

1281743

11
g-index

11
all docs

11
docs citations

11
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of electrolyte imbibition through lithium-ion battery electrodes. Journal of Power Sources, 2019, 424, 193-203.	4.0	61
2	The potential of hydrogen hydrate as a future hydrogen storage medium. IScience, 2021, 24, 101907.	1.9	58
3	Transport Phenomena in Nano/Molecular Confinements. ACS Nano, 2020, 14, 16348-16391.	7.3	55
4	Characterization of Surface Free Energy of Composite Electrodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A2493-A2501.	1.3	52
5	Effect of calendaring and temperature on electrolyte wetting in lithium-ion battery electrodes. Journal of Energy Storage, 2019, 26, 101034.	3.9	52
6	On electrolyte wetting through lithium-ion battery separators. Extreme Mechanics Letters, 2020, 40, 100960.	2.0	38
7	Freezing of few nanometers water droplets. Nature Communications, 2021, 12, 6973.	5.8	24
8	Spherical indentation of a freestanding circular membrane revisited: Analytical solutions and experiments. Journal of the Mechanics and Physics of Solids, 2017, 100, 85-102.	2.3	20
9	Metal Hydroxide/Polymer Textiles for Decontamination of Toxic Organophosphates: An Extensive Study of Wettability, Catalytic Activity, and the Effects of Aggregation. ACS Applied Materials & Interfaces, 2019, 11, 31378-31385.	4.0	19
10	On interfacial viscosity in nanochannels. Nanoscale, 2020, 12, 14626-14635.	2.8	12
11	Evaporation in nano/molecular materials. Advances in Colloid and Interface Science, 2021, 290, 102385.	7.0	12