

Anna L D'entremont

List of Publications by Year in descending order

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13
papers

490
citations

840119

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1199166

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17
all docs

17
docs citations

17
times ranked

568
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Continuum Modeling of Interfacial and Transport Phenomena in Electric Double Layer Capacitors. Journal of the Electrochemical Society, 2015, 162, A5158-A5178.	1.3	105
2	Physical Interpretation of Cyclic Voltammetry for Hybrid Pseudocapacitors. Journal of Physical Chemistry C, 2015, 119, 11349-11361.	1.5	79
3	First-principles thermal modeling of electric double layer capacitors under constant-current cycling. Journal of Power Sources, 2014, 246, 887-898.	4.0	78
4	Modeling of a thermal energy storage system based on coupled metal hydrides (magnesium iron $\alpha\text{-Fe}$). Journal of Power Sources, 2017, 42, 22518-22529.	3.8	44
5	Simulation of high temperature thermal energy storage system based on coupled metal hydrides for solar driven steam power plants. International Journal of Hydrogen Energy, 2018, 43, 817-830.	3.8	44
6	Thermal effects of asymmetric electrolytes in electric double layer capacitors. Journal of Power Sources, 2015, 273, 196-209.	4.0	41
7	Enhancing Faradaic Charge Storage Contribution in Hybrid Pseudocapacitors. Electrochimica Acta, 2015, 182, 639-651.	2.6	29
8	First-principles thermal modeling of hybrid pseudocapacitors under galvanostatic cycling. Journal of Power Sources, 2016, 335, 172-188.	4.0	21
9	First-order thermal model of commercial EDLCs. Applied Thermal Engineering, 2014, 67, 439-446.	3.0	18
10	Scaling laws for heat generation and temperature oscillations in EDLCs under galvanostatic cycling. International Journal of Heat and Mass Transfer, 2014, 75, 637-649.	2.5	12
11	Electrochemical Transport Phenomena in Hybrid Pseudocapacitors under Galvanostatic Cycling. Journal of the Electrochemical Society, 2016, 163, A229-A243.	1.3	12
12	Measurement of gas-concentration-driven permeation for the examination of permeability, solubility, and diffusivity in varying materials. Review of Scientific Instruments, 2020, 91, 105105.	0.6	4
13	Scaling Analysis of Thermal Behavior of Electrical Double Layers. , 2012, , .		1