Alexis Rucci

List of Publications by Year
in descending order

12 papers	589 citations	933447 10 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	715 citing authors

#	Article	IF	Citations
1	Thermodynamics, Charge Transfer and Practical Considerations of Solid Boosters in Redox Flow Batteries. Molecules, 2021, 26, 2111.	3.8	13
2	A three dimensional kinetic Monte Carlo model for simulating the carbon/sulfur mesostructural evolutions of discharging lithium sulfur batteries. Energy Storage Materials, 2020, 24, 472-485.	18.0	33
3	Entering the Augmented Era: Immersive and Interactive Virtual Reality for Battery Education and Research**. Batteries and Supercaps, 2020, 3, 1147-1164.	4.7	6
4	4D-resolved physical model for Electrochemical Impedance Spectroscopy of Li(Ni1-x-yMnxCoy)O2-based cathodes in symmetric cells: Consequences in tortuosity calculations. Journal of Power Sources, 2020, 454, 227871.	7.8	56
5	A Versatile and Efficient Voxelization-Based Meshing Algorithm of Multiple Phases. ACS Omega, 2019, 4, 11141-11144.	3.5	22
6	Lithium ion battery electrodes predicted from manufacturing simulations: Assessing the impact of the carbon-binder spatial location on the electrochemical performance. Journal of Power Sources, 2019, 444, 227285.	7.8	82
7	Tracking variabilities in the simulation of Lithium Ion Battery electrode fabrication and its impact on electrochemical performance. Electrochimica Acta, 2019, 312, 168-178.	5.2	48
8	Boosting Rechargeable Batteries R&D by Multiscale Modeling: Myth or Reality?. Chemical Reviews, 2019, 119, 4569-4627.	47.7	204
9	Stochasticity of Pores Interconnectivity in Li–O$_2$ Batteries and its Impact on the Variations in Electrochemical Performance. Journal of Physical Chemistry Letters, 2018, 9, 791-797.	4.6	37
10	Multiscale Simulation Platform Linking Lithium Ion Battery Electrode Fabrication Process with Performance at the Cell Level. Journal of Physical Chemistry Letters, 2017, 8, 5966-5972.	4.6	63
11	Use of IAEA's phase-space files for virtual source model implementation: Extension to large fields. Physica Medica, 2016, 32, 1030-1033.	0.7	8
12	Use of IAEA's phase-space files for the implementation of a clinical accelerator virtual source model. Physica Medica, 2014, 30, 242-248.	0.7	17