

Luis E Camacho-Forero

List of Publications by Year in descending order

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15
papers

883
citations

840776

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996975

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all docs

15
docs citations

15
times ranked

1484
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Chemical Imaging of Solid-Electrolyte Interphase Layer Evolution in Li-S Batteries. Chemistry of Materials, 2017, 29, 4728-4737.	6.7	147
2	Reactivity at the Lithium-Metal Anode Surface of Lithium-Sulfur Batteries. Journal of Physical Chemistry C, 2015, 119, 26828-26839.	3.1	140
3	Effects of High and Low Salt Concentration in Electrolytes at Lithium-Metal Anode Surfaces. Journal of Physical Chemistry C, 2017, 121, 182-194.	3.1	128
4	Self-Supported Hydrous Iridium-Nickel Oxide Two-Dimensional Nanoframes for High Activity Oxygen Evolution Electrocatalysts. ACS Catalysis, 2018, 8, 10498-10520.	11.2	103
5	Exploring interfacial stability of solid-state electrolytes at the lithium-metal anode surface. Journal of Power Sources, 2018, 396, 782-790.	7.8	73
6	Elucidating electrolyte decomposition under electron-rich environments at the lithium-metal anode. Physical Chemistry Chemical Physics, 2017, 19, 30861-30873.	2.8	65
7	Reversible Crosslinked Polymer Binder for Recyclable Lithium Sulfur Batteries with High Performance. Advanced Functional Materials, 2020, 30, 2003605.	14.9	63
8	Effects of charged interfaces on electrolyte decomposition at the lithium metal anode. Journal of Power Sources, 2020, 472, 228449.	7.8	41
9	Elucidating Interfacial Phenomena between Solid-State Electrolytes and the Sulfur-Cathode of Lithium-Sulfur Batteries. Chemistry of Materials, 2020, 32, 360-373.	6.7	38
10	Charge Delocalization on BO ₄ Centers to Improve Conductivity on Single Lithium Ion Conducting Polymer Electrolytes: A Computational/Experimental Approach. Journal of Physical Chemistry C, 2019, 123, 17686-17694.	3.1	36
11	Charge-mediated cation deposition on metallic surfaces. Journal of Materials Chemistry A, 2019, 7, 8527-8539.	10.3	13
12	Anisotropic Electron-Phonon Coupling in Colloidal Layered TiS ₂ Nanodiscs Observed via Coherent Acoustic Phonons. Journal of Physical Chemistry C, 2015, 119, 7436-7442.	3.1	11
13	Li ₂ S growth on graphene: Impact on the electrochemical performance of Li-S batteries. Journal of Chemical Physics, 2020, 152, 014701.	3.0	10
14	Theoretical and experimental study of the effects of cobalt and nickel doping within IrO ₂ on the acidic oxygen evolution reaction. Journal of Catalysis, 2022, 408, 64-80.	6.2	10
15	In situ optical measurement of the rapid Li intercalation and deintercalation dynamics in colloidal 2D layered TiS ₂ nanodiscs. Nanoscale, 2016, 8, 11248-11255.	5.6	5