Francisco Javier Quintero Cortes

List of Publications by Year
in descending order

17	1,072	840585 11	1058333 14
papers	citations	h-index	g-index

17	17	17	1100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linking void and interphase evolution to electrochemistry in solid-state batteries using operando X-ray tomography. Nature Materials, 2021, 20, 503-510.	13.3	194
2	Understanding the Effects of Alloy Films on the Electrochemical Behavior of Lithium Metal Anodes with Operando Optical Microscopy. Journal of the Electrochemical Society, 2021, 168, 100517.	1.3	10
3	How Metallic Protection Layers Extend the Lifetime of NASICON-Based Solid-State Lithium Batteries. Journal of the Electrochemical Society, 2020, 167, 050502.	1.3	43
4	Toward High-Capacity Battery Anode Materials: Chemistry and Mechanics Intertwined. Chemistry of Materials, 2020, 32, 8755-8771.	3.2	28
5	In Situ characterization of Reactive Lithium Metal Interfaces in Solid-State Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 974-974.	0.0	0
6	Chemo-Mechanical Challenges in Solid-State Batteries. Trends in Chemistry, 2019, 1, 845-857.	4.4	158
7	Interphase Morphology between a Solid-State Electrolyte and Lithium Controls Cell Failure. ACS Energy Letters, 2019, 4, 591-599.	8.8	168
8	Visualizing Chemomechanical Degradation of a Solid-State Battery Electrolyte. ACS Energy Letters, 2019, 4, 1475-1483.	8.8	196
9	The Role of Metallic Protection Layers in Extending the Stability of Nasicon Electrolytes for Solid-State Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
10	Interphase Morphology between a Solid-State Electrolyte and Lithium Controls Cell Failure. ECS Meeting Abstracts, 2019, , .	0.0	122
11	Operando Synchrotron Measurement of Strain Evolution in Individual Alloying Anode Particles within Lithium Batteries. ACS Energy Letters, 2018, 3, 349-355.	8.8	32
12	Avoiding Fracture in a Conversion Battery Material through Reaction with Larger Ions. Joule, 2018, 2, 1783-1799.	11.7	65
13	In situ investigation of dynamic processes in materials for energy storage. , 2018, , .		0
14	Testing the Tube Super-Dielectric Material Hypothesis: Increased Energy Density Using NaCl. Journal of Electronic Materials, 2016, 45, 5499-5506.	1.0	7
15	Empirical kinetics for the growth of titania nanotube arrays by potentiostatic anodization in ethylene glycol. Materials and Design, 2016, 96, 80-89.	3.3	24
16	Tube-Super Dielectric Materials: Electrostatic Capacitors with Energy Density Greater than 200 JÂ·cmâˆ’3. Materials, 2015, 8, 6208-6227.	1.3	15
17	Novel Materials with Effective Super Dielectric Constants for Energy Storage. Journal of Electronic Materials, 2015, 44, 1367-1376.	1.0	10