

Zhang Feng

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

647
citations

759233

12
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile route to hollow nanospheres of mesoporous silica with tunable size. <i>Chemical Communications</i> , 2008, , 2629.	4.1	159
2	Design Principles of Single Atoms on Carbons for Lithium-Sulfur Batteries. <i>Small Methods</i> , 2020, 4, 2000315.	8.6	84
3	Negative Stefan-Maxwell Diffusion Coefficients and Complete Electrochemical Transport Characterization of Homopolymer and Block Copolymer Electrolytes. <i>Journal of the Electrochemical Society</i> , 2018, 165, A2766-A2773.	2.9	81
4	Adsorption of Cd ²⁺ on Carboxyl-Terminated Superparamagnetic Iron Oxide Nanoparticles. <i>Analytical Chemistry</i> , 2012, 84, 3764-3770.	6.5	60
5	Comparing Cycling Characteristics of Symmetric Lithium-Polymer-Lithium Cells with Theoretical Predictions. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3186-A3194.	2.9	51
6	Multiscale Computational Model for Particle Size Evolution during Coprecipitation of Li-Ion Battery Cathode Precursors. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3291-3303.	2.6	44
7	Evaluating Transport Properties and Ionic Dissociation of LiPF ₆ in Concentrated Electrolyte. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2434-A2440.	2.9	32
8	Pb ²⁺ -Calcite Interactions under Far-from-Equilibrium Conditions: Formation of Micropylamids and Pseudomorphic Growth of Cerussite. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2238-2247.	3.1	23
9	Communication—Microscopic View of the Ethylene Carbonate Based Lithium-Ion Battery Electrolyte by X-ray Scattering. <i>Journal of the Electrochemical Society</i> , 2019, 166, A47-A49.	2.9	21
10	In Situ Monitoring of the Growth of Nickel, Manganese, and Cobalt Hydroxide Precursors during Co-Precipitation Synthesis of Li-Ion Cathode Materials. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3077-A3083.	2.9	18
11	Rotating Ring-Disk Electrode Method for the Detection of Solution Phase Superoxide as a Reaction Intermediate of Oxygen Reduction in Neutral Aqueous Solutions. <i>Analytical Chemistry</i> , 2016, 88, 1088-1091.	6.5	17
12	Isotope Effect between H ₂ O and D ₂ O in Hydrothermal Synthesis. <i>Chemistry of Materials</i> , 2020, 32, 769-775.	6.7	15
13	Quantitative Aspects of Ohmic Microscopy. <i>Analytical Chemistry</i> , 2012, 84, 7080-7084.	6.5	12
14	Dynamics of Oxidation of Well-Defined Adsorbed CO Phases on Pt(111) in Aqueous Acidic Electrolytes: Simultaneous <i>in Situ</i> Second Harmonic Generation and Differential Reflectance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27901-27910.	3.1	10
15	New advances in ohmic microscopy. <i>Russian Journal of Electrochemistry</i> , 2017, 53, 1003-1010.	0.9	6
16	A Combinatorial Approach toward the Discovery of Electrolyte Formulations for Non-Aqueous Electrochemical Energy Storage Devices. <i>ECS Electrochemistry Letters</i> , 2015, 4, A110-A114.	1.9	5
17	Comments Regarding the Non-Miscible Solvent Microcapillary Method for Superoxide Detection in Aqueous Electrolytes. <i>Journal of the Electrochemical Society</i> , 2017, 164, H148-H152.	2.9	5
18	High-Resolution Nanoprinting Approach through Self-Driven Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2019, 166, D3200-D3204.	2.9	2

#	ARTICLE	IF	CITATIONS
19	The Reactivity of Selenite toward Methyl Viologen in Mildly Acidic Aqueous Solutions. Journal of the Electrochemical Society, 2017, 164, H890-H895.	2.9	1
20	Modeling Study of pH Distribution and Non-Equilibrium State of Water in Hydrogen Evolution Reaction. Journal of the Electrochemical Society, 2020, 167, 013531.	2.9	1
21	A High-Speed Charge Injection Circuit for Nanosecond-Scale Electrochemical Measurements. , 2020, , .		0
22	Communication-In Situ Differential Reflectance Spectroscopy Monitoring the Asynchronous Transient Response at the Edge and Center of the Disk Electrode. Journal of the Electrochemical Society, 2021, 168, 066520.	2.9	0