

Xiaohe Song

List of Publications by Year in descending order

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18
papers

2,869
citations

516710

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839539

18
g-index

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18
docs citations

18
times ranked

3407
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the Growth Mechanism of Self-Assembled Nanowires on Pt-Deposited Ge(001) via Scanning Tunneling Microscopy and Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18165-18172.	3.1	2
2	Recent progress and perspectives on dual-ion batteries. <i>EnergyChem</i> , 2019, 1, 100004.	19.1	93
3	A Calcium-Ion Hybrid Energy Storage Device with High Capacity and Long Cycling Life under Room Temperature. <i>Advanced Energy Materials</i> , 2019, 9, 1803865.	19.5	104
4	Rechargeable batteries based on anion intercalation graphite cathodes. <i>Energy Storage Materials</i> , 2019, 16, 65-84.	18.0	183
5	Reversible calcium alloying enables a practical room-temperature rechargeable calcium-ion battery with a high discharge voltage. <i>Nature Chemistry</i> , 2018, 10, 667-672.	13.6	971
6	A Multi-Ion Strategy towards Rechargeable Sodium-Ion Full Batteries with High Working Voltage and Rate Capability. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16370-16374.	13.8	114
7	A Multi-Ion Strategy towards Rechargeable Sodium-Ion Full Batteries with High Working Voltage and Rate Capability. <i>Angewandte Chemie</i> , 2018, 130, 16608-16612.	2.0	28
8	In-situ mass-electrochemical study of surface redox potential and interfacial chemical reactions of Li(Na)FePO ₄ nanocrystals for Li(Na)-ion batteries. <i>Nano Energy</i> , 2017, 37, 90-97.	16.0	20
9	Controllable synthesis of LiFePO ₄ in different polymorphs and study of the reaction mechanism. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14294-14300.	10.3	25
10	A Novel Potassium-Ion-Based Dual-Ion Battery. <i>Advanced Materials</i> , 2017, 29, 1700519.	21.0	508
11	Excess Li-Ion Storage on Reconstructed Surfaces of Nanocrystals To Boost Battery Performance. <i>Nano Letters</i> , 2017, 17, 6018-6026.	9.1	53
12	Single-Particle Performances and Properties of LiFePO ₄ Nanocrystals for Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1601894.	19.5	41
13	Excess lithium storage in LiFePO ₄ -Carbon interface by ball-milling. <i>Functional Materials Letters</i> , 2016, 09, 1650053.	1.2	7
14	Tuning of Thermal Stability in Layered Li(Ni _x Mn _y Co _z)O ₂ . <i>Journal of the American Chemical Society</i> , 2016, 138, 13326-13334.	13.7	178
15	High-performance NaFePO ₄ formed by aqueous ion-exchange and its mechanism for advanced sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4882-4892.	10.3	129
16	Storage and Effective Migration of Li-Ion for Defected $\hat{1}^2$ -LiFePO ₄ Phase Nanocrystals. <i>Nano Letters</i> , 2016, 16, 601-608.	9.1	31
17	Kinetics Tuning of Li-Ion Diffusion in Layered Li(Ni _x Mn _y Co _z)O ₂ . <i>Journal of the American Chemical Society</i> , 2015, 137, 8364-8367.	13.7	292
18	Janus Solid-Liquid Interface Enabling Ultrahigh Charging and Discharging Rate for Advanced Lithium-Ion Batteries. <i>Nano Letters</i> , 2015, 15, 6102-6109.	9.1	90