Xiaohe Song

List of Publications by Year
in descending order

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18	2,869	516710 16	839539 18
papers	citations	h-index	g-index

18	18	18	3407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reversible calcium alloying enables a practical room-temperature rechargeable calcium-ion battery with a high discharge voltage. Nature Chemistry, 2018, 10, 667-672.	13.6	971
2	A Novel Potassiumâ€Ionâ€Based Dualâ€Ion Battery. Advanced Materials, 2017, 29, 1700519.	21.0	508
3	Kinetics Tuning of Li-Ion Diffusion in Layered Li(Ni_xMn_yCo_z)O₂. Journal of the American Chemical Society, 2015, 137, 8364-8367.	13.7	292
4	Rechargeable batteries based on anion intercalation graphite cathodes. Energy Storage Materials, 2019, 16, 65-84.	18.0	183
5	Tuning of Thermal Stability in Layered Li(Ni_xMn_yCo_z)O₂. Journal of the American Chemical Society, 2016, 138, 13326-13334.	13.7	178
6	High-performance NaFePO₄formed by aqueous ion-exchange and its mechanism for advanced sodium ion batteries. Journal of Materials Chemistry A, 2016, 4, 4882-4892.	10.3	129
7	A Multiâ€Ion Strategy towards Rechargeable Sodiumâ€Ion Full Batteries with High Working Voltage and Rate Capability. Angewandte Chemie - International Edition, 2018, 57, 16370-16374.	13.8	114
8	A Calciumâ€Ion Hybrid Energy Storage Device with High Capacity and Long Cycling Life under Room Temperature. Advanced Energy Materials, 2019, 9, 1803865.	19.5	104
9	Recent progress and perspectives on dual-ion batteries. EnergyChem, 2019, 1, 100004.	19.1	93
10	Janus Solidâ€“Liquid Interface Enabling Ultrahigh Charging and Discharging Rate for Advanced Lithium-Ion Batteries. Nano Letters, 2015, 15, 6102-6109.	9.1	90
11	Excess Li-Ion Storage on Reconstructed Surfaces of Nanocrystals To Boost Battery Performance. Nano Letters, 2017, 17, 6018-6026.	9.1	53
12	Singleâ€Particle Performances and Properties of LiFePO₄ Nanocrystals for Liâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1601894.	19.5	41
13	Storage and Effective Migration of Li-Ion for Defected Î²-LiFePO₄ Phase Nanocrystals. Nano Letters, 2016, 16, 601-608.	9.1	31
14	A Multiâ€Ion Strategy towards Rechargeable Sodiumâ€Ion Full Batteries with High Working Voltage and Rate Capability. Angewandte Chemie, 2018, 130, 16608-16612.	2.0	28
15	Controllable synthesis of LiFePO₄in different polymorphs and study of the reaction mechanism. Journal of Materials Chemistry A, 2017, 5, 14294-14300.	10.3	25
16	In-situ mass-electrochemical study of surface redox potential and interfacial chemical reactions of Li(Na)FePO 4 nanocrystals for Li(Na)-ion batteries. Nano Energy, 2017, 37, 90-97.	16.0	20
17	Excess lithium storage in LiFePO₄-Carbon interface by ball-milling. Functional Materials Letters, 2016, 09, 1650053.	1.2	7
18	Deciphering the Growth Mechanism of Self-Assembled Nanowires on Pt-Deposited Ge(001) via Scanning Tunneling Microscopy and Density Functional Theory Calculations. Journal of Physical Chemistry C, 2020, 124, 18165-18172.	3.1	2