Xin Cao

List of Publications by Year in descending order

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Version: 2024-02-01

17	736	687363 13	888059 17
papers	citations	h-index	g-index

17	17	17	776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ionâ€Exchange: A Promising Strategy to Design Liâ€Rich and Liâ€Excess Layered Cathode Materials for Liâ€Ion Batteries. Advanced Energy Materials, 2022, 12, 2003972.	19.5	49
2	Restraining Oxygen Release and Suppressing Structure Distortion in Singleâ€Crystal Liâ€Rich Layered Cathode Materials. Advanced Functional Materials, 2022, 32, 2110295.	14.9	62
3	Structure design enables stable anionic and cationic redox chemistry in a T2-type Li-excess layered oxide cathode. Science Bulletin, 2022, 67, 381-388.	9.0	13
4	Reversible anionic redox chemistry in layered Li4/7[â–¡1/7Mn6/7]O2 enabled by stable Liâ€“O-vacancy configuration. Joule, 2022, 6, 1290-1303.	24.0	41
5	Triggering and Stabilizing Oxygen Redox Chemistry in Layered Li[Na_{1/3}Ru_{2/3}]O₂ Enabled by Stable Liâ€“Oâ€“Na Configuration. ACS Energy Letters, 2022, 7, 2349-2356.	17.4	18
6	Advanced single-crystal layered Ni-rich cathode materials for next-generation high-energy-density and long-life Li-ion batteries. Physical Review Materials, 2022, 6, .	2.4	2
7	A high-capacity cathode for rechargeable K-metal battery based on reversible superoxide-peroxide conversion. National Science Review, 2021, 8, nwaa287.	9.5	12
8	Stabilizing Anionic Redox Chemistry in a Mnâ€Based Layered Oxide Cathode Constructed by Liâ€Deficient Pristine State. Advanced Materials, 2021, 33, e2004280.	21.0	67
9	Achieving stable anionic redox chemistry in Li-excess O2-type layered oxide cathode via chemical ion-exchange strategy. Energy Storage Materials, 2021, 38, 1-8.	18.0	46
10	Sustainable Lithiumâ€Metal Battery Achieved by a Safe Electrolyte Based on Recyclable and Lowâ€Cost Molecular Sieve. Angewandte Chemie - International Edition, 2021, 60, 15572-15581.	13.8	43
11	Sustainable Lithiumâ€Metal Battery Achieved by a Safe Electrolyte Based on Recyclable and Lowâ€Cost Molecular Sieve. Angewandte Chemie, 2021, 133, 15700-15709.	2.0	2
12	Identifying Anionic Redox Activity within the Related O3- and P2-Type Cathodes for Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 851-857.	8.0	28
13	Elucidating Anionic Redox Chemistry in P3 Layered Cathode for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 38249-38255.	8.0	30
14	Stabilizing Reversible Oxygen Redox Chemistry in Layered Oxides for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 1903785.	19.5	87
15	Restraining Oxygen Loss and Suppressing Structural Distortion in a Newly Ti-Substituted Layered Oxide P2-Na_{0.66}Li_{0.22}Ti_{0.15}Mn_{0.63}O₂. ACS Energy Letters, 2019, 4, 2409-2417.	17.4	112
16	Developing A â€œPolysulfideâ€Phobicâ€•Strategy to Restrain Shuttle Effect in Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2019, 131, 11900-11904.	2.0	24
17	Developing A â€œPolysulfideâ€Phobicâ€•Strategy to Restrain Shuttle Effect in Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2019, 58, 11774-11778.	13.8	100