

Congli Sun

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,134
citations

586496

16
h-index

651938

25
g-index

25
all docs

25
docs citations

25
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel Niobate Anodes for High Rate Lithium-ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	49
2	Interfacial gliding-driven lattice oxygen release in layered cathodes. <i>Cell Reports Physical Science</i> , 2022, 3, 100695.	2.8	5
3	Realizing High-Performance BiSbTe Magnetic Flexible Films via Acceleration Movement and Hopping Migration of Carriers. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	6
4	The Coupling of Local Strain and K ⁺ Ion Release Induced Phase Transition Heterogeneity in Tunnel MnO ₂ . <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
5	Electrochemically Exfoliating MoS ₂ into Atomically Thin Planar Stacking Through a Selective Lateral Reaction Pathway. <i>Advanced Functional Materials</i> , 2021, 31, 2007840.	7.8	23
6	Sn stabilized pyrovanadate structure rearrangement for zinc ion battery. <i>Nano Energy</i> , 2021, 81, 105584.	8.2	41
7	Potassium-ion Activating Formation of Fe [~] N [~] C Moiety as Efficient Oxygen Electrocatalyst for Zn-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 1298-1306.	1.7	10
8	Interface cation migration kinetics induced oxygen release heterogeneity in layered lithium cathodes. <i>Energy Storage Materials</i> , 2021, 36, 115-122.	9.5	23
9	Direct Visualization of Atomic-Scale Heterogeneous Structure Dynamics in MnO ₂ Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33644-33651.	4.0	9
10	Tremella-like Hydrated Vanadium Oxide Cathode with an Architectural Design Strategy toward Ultralong Lifespan Aqueous Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41688-41697.	4.0	25
11	Gradient SEI layer induced by liquid alloy electrolyte additive for high rate lithium metal battery. <i>Nano Energy</i> , 2021, 88, 106237.	8.2	48
12	Serial cracking in Van der Waals layered electrodes mediated by electrochemical reaction and mechanical deformation. <i>Cell Reports Physical Science</i> , 2021, 2, 100642.	2.8	3
13	Architecting a Hydrated Ca _{0.24} V ₂ O ₅ Cathode with a Facile Desolvation Interface for Superior-Performance Aqueous Zinc Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60035-60045.	4.0	26
14	Excellent Thermoelectric Performance from In Situ Reaction between Co Nanoparticles and BiSbTe Flexible Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58746-58753.	4.0	12
15	Compact Sn/SnO ₂ microspheres with gradient composition for high volumetric lithium storage. <i>Energy Storage Materials</i> , 2020, 25, 376-381.	9.5	27
16	Reversible (De)Intercalation of Hydrated Zn ²⁺ in Mg ²⁺ -Stabilized V ₂ O ₅ Nanobelts with High Areal Capacity. <i>Advanced Energy Materials</i> , 2020, 10, 2002293.	10.2	84
17	Carbon Monoxide Gas Induced 4H-to-fcc Phase Transformation of Gold As Revealed by In-Situ Transmission Electron Microscopy. <i>Inorganic Chemistry</i> , 2020, 59, 14415-14423.	1.9	4
18	Origin of the extra capacity in nitrogen-doped porous carbon nanofibers for high-performance potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18079-18086.	5.2	40

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19	<i>In situ</i> structural evolution of the multi-site alloy electrocatalyst to manipulate the intermediate for enhanced water oxidation reaction. <i>Energy and Environmental Science</i> , 2020, 13, 2200-2208.	15.6	101
20	Sulfur-Deficient Porous SnS ₂ Microflowers as Superior Anode for Alkaline Ion Batteries. <i>Materials</i> , 2020, 13, 443.	1.3	3
21	Engineering Oxygen Vacancies in a Polysulfide Blocking Layer with Enhanced Catalytic Ability. <i>Advanced Materials</i> , 2020, 32, e1907444.	11.1	171
22	FeP Quantum Dots Confined in Carbon Nanotube Grafted P-Doped Carbon Octahedra for High-Rate Sodium Storage and Full-Cell Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1909283.	7.8	143
23	High-Voltage Cycling Induced Thermal Vulnerability in LiCoO ₂ Cathode: Cation Loss and Oxygen Release Driven by Oxygen Vacancy Migration. <i>ACS Nano</i> , 2020, 14, 6181-6190.	7.3	144
24	Boosting Polysulfide Redox Kinetics by Graphene-Supported Ni Nanoparticles with Carbon Coating. <i>Advanced Energy Materials</i> , 2020, 10, 2000907.	10.2	89
25	Interconnected Vertically Stacked 2D-MoS ₂ for Ultrastable Cycling of Rechargeable Li-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20762-20769.	4.0	37