

Zhanyu Li

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

900
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	Rechargeable Aluminum-Ion Battery Based on MoS ₂ Microsphere Cathode. ACS Applied Materials & Interfaces, 2018, 10, 9451-9459.	8.0	171
2	A Novel Graphite-Graphite Dual Ion Battery Using an AlCl ₃ [EMIm]Cl Liquid Electrolyte. Small, 2018, 14, e1800745.	10.0	73
3	Two-dimensional Ti ₃ C ₂ @CTAB-Se (MXene) composite cathode material for high-performance rechargeable aluminum batteries. Chemical Engineering Journal, 2020, 398, 125679.	12.7	70
4	Nanosphere-rod-like Co ₃ O ₄ as high performance cathode material for aluminium ion batteries. Journal of Power Sources, 2019, 422, 49-56.	7.8	61
5	Two-dimensional composite of D-Ti ₃ C ₂ T _x @S@TiO ₂ (MXene) as the cathode material for aluminum-ion batteries. Nanoscale, 2020, 12, 3387-3399.	5.6	60
6	Two-dimensional V ₂ C@Se (MXene) composite cathode material for high-performance rechargeable aluminum batteries. Energy Storage Materials, 2022, 46, 138-146.	18.0	56
7	3D hierarchical AlV ₃ O ₉ microspheres as a cathode material for rechargeable aluminum-ion batteries. Electrochimica Acta, 2019, 298, 288-296.	5.2	47
8	Structure and electrochemical properties of Sm-doped Li ₄ Ti ₅ O ₁₂ as anode material for lithium-ion batteries. RSC Advances, 2016, 6, 15492-15500.	3.6	42
9	Novel One-Dimensional Hollow Carbon Nanotubes/Selenium Composite for High-Performance Al-Se Batteries. ACS Applied Materials & Interfaces, 2019, 11, 45709-45716.	8.0	35
10	Prelithiation treatment of graphite as cathode material for rechargeable aluminum batteries. Electrochimica Acta, 2018, 263, 68-75.	5.2	31
11	Reduced graphene oxide (rGO) coated porous nanosphere TiO ₂ @Se composite as cathode material for high-performance reversible Al-Se batteries. Chemical Engineering Journal, 2020, 400, 126000.	12.7	30
12	A novel CuSe-Cu _{1.8} Se heterostructure with hexahedral structure cathode material for aluminum batteries. Chemical Engineering Journal, 2021, 426, 131899.	12.7	28
13	A novel graphite-based dual ion battery using PP14NTF2 ionic liquid for preparing graphene structure. Carbon, 2018, 138, 52-60.	10.3	27
14	Understanding the enhanced electrochemical performance of samarium substituted Li[Li _{0.2} Mn _{0.54} Sm _x Co _{0.13} Ni _{0.13}]O ₂ cathode material for lithium ion batteries. Solid State Ionics, 2016, 293, 7-12.	2.7	25
15	Stabilizing the structure and suppressing the voltage decay of Li[Li _{0.2} Mn _{0.54} Co _{0.13} Ni _{0.13}]O ₂ cathode materials for Li-ion batteries via multifunctional PrAoxide surface modification. Ceramics International, 2016, 42, 18620-18630.	4.8	24
16	A high-performance graphite-graphite dual ion battery based on AlCl ₃ /NaCl molten salts. Journal of Power Sources, 2020, 475, 228628.	7.8	22
17	Synthesis and electrochemical performance of Li ₄ Ti ₅ O ₁₂ submicrospheres coated with TiN as anode materials for lithium-ion battery. Ceramics International, 2016, 42, 15464-15470.	4.8	21
18	Pseudocapacitance effect in Al-C batteries with expanded graphite positive electrode at different temperatures. Journal of Power Sources, 2020, 467, 228323.	7.8	16

#	ARTICLE	IF	CITATIONS
19	Rhombic dodecahedron hetero-structure Zn/Co@Se@C as cathode material for aluminum batteries with excellent electrochemical performance. <i>Journal of Power Sources</i> , 2021, 511, 230455.	7.8	15
20	Multi-type cubic CoM_x ($X=O, S, Se$) induced by zeolitic imidazolate framework (ZIF) as cathode materials for aluminum battery. <i>Chemical Engineering Journal</i> , 2022, 430, 133135.	12.7	12
21	Metal-Organic Framework Structure with $Fe@Co@Se$ (MIL-88A/ $Fe@Co@Se$) as a Cathode for Aluminum Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61107-61115.	8.0	12
22	Pr-modified $Li_4Ti_5O_{12}$ nanofibers as an anode material for lithium-ion batteries with outstanding cycling performance and rate performance. <i>Ionics</i> , 2017, 23, 597-605.	2.4	8
23	Influence of cooling mode on the electrochemical properties of $Li_4Ti_5O_{12}$ anode materials for lithium-ion batteries. <i>Ionics</i> , 2016, 22, 789-795.	2.4	7
24	High-performance carbon-coated hollow nanocube ZnSe as cathode material for aluminum batteries. <i>Journal of Alloys and Compounds</i> , 2022, 920, 166006.	5.5	5
25	Hollow nanotubes carbon@tellurium for high-performance Al-Te batteries. <i>Electrochimica Acta</i> , 2022, 401, 139498.	5.2	2