Dan Sun

List of Publications by Year
in descending order

40 papers	3,013 citations	236612 25 h-index	301761 39 g-index
40 all docs	40 docs citations	40 times ranked	3169 citing authors

#	Article	IF	Citations
1	Revealing the role of crystal orientation of protective layers for stable zinc anode. Nature Communications, 2020, 11, 3961.	5.8	378
2	MoS₂/Graphene Nanosheets from Commercial Bulky MoS₂ and Graphite as Anode Materials for High Rate Sodiumâ€ion Batteries. Advanced Energy Materials, 2018, 8, 1702383.	10.2	350
3	Issues and solutions toward zinc anode in aqueous zincâ€ion batteries: A mini review. , 2020, 2, 540-560.		225
4	Plasmaâ€Induced Amorphous Shell and Deep Cationâ€Site S Doping Endow TiO₂ with Extraordinary Sodium Storage Performance. Advanced Materials, 2018, 30, e1801013.	11.1	180
5	A progressive nucleation mechanism enables stable zinc strippingâ€“plating behavior. Energy and Environmental Science, 2021, 14, 5563-5571.	15.6	141
6	Cyclic Voltammetry in Lithiumâ€“Sulfur Batteriesâ€”Challenges and Opportunities. Energy Technology, 2019, 7, 1801001.	1.8	138
7	Tuning the Morphologies of MnO/C Hybrids by Space Constraint Assembly of Mn-MOFs for High Performance Li Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 5254-5262.	4.0	129
8	Iron-Doped Cauliflower-Like Rutile TiO₂ with Superior Sodium Storage Properties. ACS Applied Materials & Interfaces, 2017, 9, 6093-6103.	4.0	125
9	Advanced Filter Membrane Separator for Aqueous Zincâ€ion Batteries. Small, 2020, 16, e2003106.	5.2	118
10	New Binderâ€Free Metal Phosphideâ€“Carbon Felt Composite Anodes for Sodiumâ€ion Battery. Advanced Energy Materials, 2018, 8, 1801197.	10.2	113
11	Annealed NaV3O8 nanowires with good cycling stability as a novel cathode for Na-ion batteries. Journal of Materials Chemistry A, 2014, 2, 3563.	5.2	107
12	High-Rate LiTi₂(PO₄)₃@Nâ€“C Composite via Bi-nitrogen Sources Doping. ACS Applied Materials & Interfaces, 2015, 7, 28337-28345.	4.0	77
13	Electron-Injection-Engineering Induced Phase Transition toward Stabilized 1T-MoS₂ with Extraordinary Sodium Storage Performance. ACS Nano, 2021, 15, 8896-8906.	7.3	77
14	Aqueous rechargeable lithium batteries using NaV₆O₁₅ nanoflakes as high performance anodes. Journal of Materials Chemistry A, 2014, 2, 12999-13005.	5.2	75
15	Electrodeâ€“Electrolyte Interfacial Chemistry Modulation for Ultraâ€High Rate Sodiumâ€ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	74
16	A comprehensive review on the fabrication, modification and applications of Na₃V₂(PO₄)₂F₃ cathodes. Journal of Materials Chemistry A, 2020, 8, 21387-21407.	5.2	65
17	Issues and rational design of aqueous electrolyte for Znâ€ion batteries. SusMat, 2021, 1, 432-447.	7.8	62
18	Li_xV₂O₅/LiV₃O₈ nanoflakes with significantly improved electrochemical performance for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 8009-8016.	5.2	53

#	Article	IF	Citations
19	Advanced aqueous rechargeable lithium battery using nanoparticulate LiTi2(PO4)3/C as a superior anode. Scientific Reports, 2015, 5, 10733.	1.6	46
20	Engineering the crystal orientation of Na₃V₂(PO₄)₂F₃@rGO microcuboids for advanced sodium-ion batteries. Materials Chemistry Frontiers, 2020, 4, 2932-2942.	3.2	46
21	Dual-Element-Modified Single-Crystal LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ as a Highly Stable Cathode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 43039-43050.	4.0	44
22	Long-lived Aqueous Rechargeable Lithium Batteries Using Mesoporous LiTi2(PO4)3@C Anode. Scientific Reports, 2015, 5, 17452.	1.6	43
23	Synthesis and electrochemical properties of NaV3O8 nanoflakes as high-performance cathode for Li-ion battery. RSC Advances, 2014, 4, 8328.	1.7	36
24	Advanced LiTi2(PO4)3/C anode by incorporation of carbon nanotubes for aqueous lithium-ion batteries. Ionics, 2017, 23, 575-583.	1.2	32
25	Sodium citrate as a self-sacrificial sodium compensation additive for sodium-ion batteries. Chemical Communications, 2021, 57, 4243-4246.	2.2	31
26	Regulating closed pore structure enables significantly improved sodium storage for hard carbon pyrolyzing at relatively low temperature. SusMat, 2022, 2, 357-367.	7.8	31
27	Polyethylenimine Expanded Graphite Oxide Enables High Sulfur Loading and Longâ€Term Stability of Lithiumâ€“Sulfur Batteries. Small, 2019, 15, e1804578.	5.2	30
28	A Review of Al Alloy Anodes for Alâ€“Air Batteries in Neutral and Alkaline Aqueous Electrolytes. Acta Metallurgica Sinica (English Letters), 2021, 34, 309-320.	1.5	26
29	Facile synthesis and lithium storage performance of (NH4)2V3O8 nanoflakes. Journal of Applied Electrochemistry, 2016, 46, 879-885.	1.5	24
30	The fabrication of hierarchical MoO2@MoS2/rGO composite as high reversible anode material for lithium ion batteries. Electrochimica Acta, 2020, 364, 136996.	2.6	19
31	Facile preparation of robust porous MoS2/C nanosheet networks as anode material for sodium ion batteries. Journal of Materials Science, 2019, 54, 2472-2482.	1.7	18
32	Plasma-treated Ti³⁺-doped sodium titanate nanosheet arrays on titanium foil as a lithiophilic current collector for a stable lithium metal anode. Chemical Communications, 2019, 55, 6551-6554.	2.2	17
33	An Integrated Strategy towards Enhanced Performance of the Lithiumâ€“Sulfur Battery and its Fading Mechanism. Chemistry - A European Journal, 2018, 24, 18544-18550.	1.7	14
34	Lithium reduction reaction for interfacial regulation of lithium metal anode. Chemical Communications, 2022, 58, 2597-2611.	2.2	14
35	Renewable waste biomass-derived carbon materials for energy storage. Journal Physics D: Applied Physics, 2022, 55, 313002.	1.3	14
36	A dual-electrolyte system for highly efficient Alâ€“air batteries. Chemical Communications, 2022, 58, 3282-3285.	2.2	12

#	Article	IF	Citations
37	Interfacial Reviving of the Degraded LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode by LiPO₃ Repair Strategy. Small, 2022, 18, e2107346.	5.2	11
38	Electrochemical Properties of Rutile TiO2 Nanorod Array in Lithium Hydroxide Solution. Nanoscale Research Letters, 2016, 11, 448.	3.1	8
39	Turn â€œWasteâ€•into Wealth: A Facile Reviving Strategy for Degraded Ni-Rich LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathodes. Industrial & Engineering Chemistry Research, 2022, 61, 141-151.	1.8	7
40	A high-capacity self-sacrificial additive based on electroactive sodiated carbonyl groups for sodium-ion batteries. Chemical Communications, 2022, 58, 8702-8705.	2.2	3