

Sidra Jamil

List of Publications by Year in descending order

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32
papers

1,476
citations

304743

22
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1353
citing authors

#	ARTICLE	IF	CITATIONS
1	Free-standing SnS/C nanofiber anodes for ultralong cycle-life lithium-ion batteries and sodium-ion batteries. <i>Energy Storage Materials</i> , 2019, 17, 1-11.	18.0	221
2	Rapid sintering method for highly conductive Li ₇ La ₃ Zr ₂ O ₁₂ ceramic electrolyte. <i>Ceramics International</i> , 2020, 46, 10917-10924.	4.8	146
3	Suppressing H ₂ ↔H ₃ phase transition in high Ni–low Co layered oxide cathode material by dual modification. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21306-21316.	10.3	112
4	Improving the Structure and Cycling Stability of Ni-Rich Layered Cathodes by Dual Modification of Yttrium Doping and Surface Coating. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19483-19494.	8.0	91
5	Multifunctional Heterostructures for Polysulfide Suppression in High-Performance Lithium–Sulfur Cathode. <i>Small</i> , 2018, 14, e1803134.	10.0	77
6	Effects of Nanofiber Architecture and Antimony Doping on the Performance of Lithium-Rich Layered Oxides: Enhancing Lithium Diffusivity and Lattice Oxygen Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16561-16571.	8.0	71
7	Enhanced cycling stability of nickel-rich layered oxide by tantalum doping. <i>Journal of Power Sources</i> , 2020, 473, 228597.	7.8	71
8	Improved cycle and air stability of P ₃ -Na _{0.65} Mn _{0.75} Ni _{0.25} O ₂ electrode for sodium-ion batteries coated with metal phosphates. <i>Chemical Engineering Journal</i> , 2019, 372, 1066-1076.	12.7	67
9	Tailoring bulk Li ⁺ ion diffusion kinetics and surface lattice oxygen activity for high-performance lithium-rich manganese-based layered oxides. <i>Energy Storage Materials</i> , 2021, 37, 509-520.	18.0	55
10	Improved high-voltage performance of LiNi _{0.87} Co _{0.1} Al _{0.03} O ₂ by Li ⁺ -conductor coating. <i>Chemical Engineering Journal</i> , 2021, 407, 126442.	12.7	49
11	Dual cationic modified high Ni-low co layered oxide cathode with a heteroepitaxial interface for high energy-density lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 416, 129118.	12.7	47
12	Al ₂ O ₃ coated Na _{0.44} MnO ₂ as high-voltage cathode for sodium ion batteries. <i>Applied Surface Science</i> , 2019, 494, 1156-1165.	6.1	45
13	Electrospun Ta-doped TiO ₂ /C nanofibers as a high-capacity and long-cycling anode material for Li-ion and K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20666-20676.	10.3	44
14	Significantly fastened redox kinetics in single crystal layered oxide cathode by gradient doping. <i>Nano Energy</i> , 2022, 94, 106961.	16.0	42
15	Synergetic Effects of Multifunctional Composites with More Efficient Polysulfide Immobilization and Ultrahigh Sulfur Content in Lithium–Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13562-13572.	8.0	40
16	Significance of gallium doping for high Ni, low Co/Mn layered oxide cathode material. <i>Chemical Engineering Journal</i> , 2022, 441, 135821.	12.7	34
17	Challenges and prospects of nickel-rich layered oxide cathode material. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164727.	5.5	32
18	Preparation and Performance of the Heterostructured Material with a Ni-Rich Layered Oxide Core and a LiNi _{0.5} Mn _{1.5} O ₄ -like Spinel Shell. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16556-16566.	8.0	31

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19	High-performance P2-Type Fe/Mn-based oxide cathode materials for sodium-ion batteries. <i>Electrochimica Acta</i> , 2019, 312, 45-53.	5.2	30
20	Ni/Li antisite induced disordered passivation layer for high-Ni layered oxide cathode material. <i>Energy Storage Materials</i> , 2022, 45, 720-729.	18.0	29
21	Effects of Catalysis and Separator Functionalization on High-Energy Lithium-Sulfur Batteries: A Complete Review. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	28
22	Graphene-like ultrathin bismuth selenide nanosheets as highly stable anode material for sodium-ion battery. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163572.	5.5	24
23	Significantly elevated AC dielectric strength of synthetic ester oil-based nanofluids by varying morphology of CdS nano-additives. <i>Journal of Molecular Liquids</i> , 2022, 353, 118817.	4.9	22
24	Recent Advances in Enhanced Performance of Ni-Rich Cathode Materials for Li-Ion Batteries: A Review. <i>Energy Technology</i> , 2022, 10, .	3.8	17
25	Efficient Anchoring of Polysulfides Based on Self-Assembled Ti ₃ C ₂ T _x Nanosheet-Connected Hollow Co(OH) ₂ Nanotubes for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57285-57293.	8.0	12
26	Polyaniline-Derived Carbon Heterostructure as Redox Mediator of Li ₂ S Oxidation and Polysulfide Immobilizer for High-Performance Lithium-Sulfur Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16659-16670.	6.7	11
27	High thermoelectric performance of BixSb2-xTe3 alloy achieved via structural manipulation under optimized heat treatment. <i>Chemical Engineering Journal</i> , 2022, 435, 135062.	12.7	8
28	Effect of Temperature on Structure, Morphology, and Optical Properties of TiO2 Nanoparticles. , 2021, 01, 22-28.		7
29	Influence of Emerging Semiconductive Nanoparticles on AC Dielectric Strength of Synthetic Ester Midel-7131 Insulating Oil. <i>Materials</i> , 2022, 15, 4689.	2.9	6
30	Effect of SiO ₂ Nanoparticle's Size and Doping Concentration on AC Breakdown Behavior of Insulating Oil-based Nanofluids. , 2021, , .		5
31	Designing 2D nickel hydroxide@graphene nanosheet composites to confine sulfur in highly stable lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5175-5183.	4.9	1
32	Elevated Li+ diffusivity in Ni-rich layered oxide by precursor pre-oxidation. <i>Ceramics International</i> , 2022, , .	4.8	1