

Fan Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/35/publications.pdf>

Version: 2024-02-01

34
papers

1,501
citations

304743

22
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1427
citing authors

#	ARTICLE	IF	CITATIONS
1	High Current Density and Long Cycle Life Enabled by Sulfide Solid Electrolyte and Dendrite-Free Liquid Lithium Anode. <i>Advanced Functional Materials</i> , 2022, 32, 2105776.	14.9	40
2	Doping strategy and mechanism for oxide and sulfide solid electrolytes with high ionic conductivity. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4517-4532.	10.3	75
3	Solid state ionics – Selected topics and new directions. <i>Progress in Materials Science</i> , 2022, 126, 100921.	32.8	39
4	Improving thermal stability of sulfide solid electrolytes: An intrinsic theoretical paradigm. <i>Information Materials</i> , 2022, 4, .	17.3	33
5	Water-Stable Sulfide Solid Electrolyte Membranes Directly Applicable in All-Solid-State Batteries Enabled by Superhydrophobic Li ⁺ -Conducting Protection Layer. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	62
6	Progress in lithium thioborate superionic conductors. <i>Journal of Materials Research</i> , 2022, 37, 3269-3282.	2.6	2
7	Stable Ni-rich layered oxide cathode for sulfide-based all-solid-state lithium battery. <i>EScience</i> , 2022, 2, 537-545.	41.6	57
8	Interfacial and cycle stability of sulfide all-solid-state batteries with Ni-rich layered oxide cathodes. <i>Nano Energy</i> , 2022, 100, 107528.	16.0	38
9	Long-Life Lithium-Metal All-Solid-State Batteries and Stable Li Plating Enabled by In-Situ Formation of Li ₃ PS ₄ in the SEI Layer. <i>Advanced Materials</i> , 2022, 34, .	21.0	66
10	Spatial Confinement of a Carbon Nanocone for an Efficient Oxygen Evolution Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2252-2258.	4.6	4
11	Progress in thermal stability of all-solid-state Li-ion batteries. <i>Information Materials</i> , 2021, 3, 827-853.	17.3	126
12	Superior All-Solid-State Batteries Enabled by a Gas-Phase-Synthesized Sulfide Electrolyte with Ultrahigh Moisture Stability and Ionic Conductivity. <i>Advanced Materials</i> , 2021, 33, e2100921.	21.0	110
13	5V-class sulfurized spinel cathode stable in sulfide all-solid-state batteries. <i>Nano Energy</i> , 2021, 90, 106589.	16.0	53
14	Emerging linear activity trend in the oxygen evolution reaction with dual-active-sites mechanism. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20946-20952.	10.3	17
15	Microstructure and Defect Study in Thin Film Heterostructure Materials. <i>Nanoscience and Nanotechnology - Asia</i> , 2020, 10, 109-116.	0.7	0
16	Practical evaluation of energy densities for sulfide solid-state batteries. <i>ETransportation</i> , 2019, 1, 100010.	14.8	114
17	Strain-Stabilized Ceramic-Sulfide Electrolytes. <i>Small</i> , 2019, 15, e1901470.	10.0	57
18	A High-Throughput Search for Functionally Stable Interfaces in Sulfide Solid-State Lithium Ion Conductors. <i>Advanced Energy Materials</i> , 2019, 9, 1900807.	19.5	65

#	ARTICLE	IF	CITATIONS
19	A novel dual phase membrane 40 wt% Nd _{0.6} Sr _{0.4} CoO ₃ ~60 wt% Ce _{0.9} Nd _{0.1} O ₂ : design, synthesis and properties. Journal of Materials Chemistry A, 2018, 6, 84-92.	10.3	32
20	Advanced sulfide solid electrolyte by core-shell structural design. Nature Communications, 2018, 9, 4037.	12.8	146
21	Reversible Flat to Rippling Phase Transition in Fe Containing Layered Battery Electrode Materials. Advanced Functional Materials, 2018, 28, 1803896.	14.9	18
22	Reversible Flat to Rippling Phase Transition in Fe Containing Layered Battery Electrode Materials. Advanced Functional Materials, 2018, 28, .	14.9	0
23	Anisotropic crystallization in solution processed chalcogenide thin film by linearly polarized laser. Applied Physics Letters, 2017, 110, .	3.3	11
24	Photoluminescence of Functionalized Germanium Nanocrystals Embedded in Arsenic Sulfide Glass. ACS Applied Materials & Interfaces, 2017, 9, 18911-18917.	8.0	10
25	PMN-PT nanostructures for energy scavenging. Semiconductor Science and Technology, 2017, 32, 063001.	2.0	4
26	Energy scavenging based on a single-crystal PMN-PT nanobelt. Scientific Reports, 2016, 6, 22513.	3.3	24
27	In-situ synthesis and defect evolution of single-crystal piezoelectric nanoparticles. Nano Energy, 2016, 28, 195-205.	16.0	9
28	SAFIR-3000 Lightning Statistics over the Beijing Metropolitan Region during 2005~07. Journal of Applied Meteorology and Climatology, 2016, 55, 2613-2633.	1.5	26
29	Strain induced room temperature ferromagnetism in epitaxial magnesium oxide thin films. Journal of Applied Physics, 2015, 118, 165309.	2.5	7
30	Interface Magnetism in Epitaxial BiFeO ₃ -La _{0.7} Sr _{0.3} MnO ₃ Heterostructures Integrated on Si(100). Nano Letters, 2013, 13, 5814-5821.	9.1	78
31	Deposition and characterization of nanostructured Cu ₂ O thin-film for potential photovoltaic applications. Journal of Materials Research, 2013, 28, 1740-1746.	2.6	31
32	Enhanced dehydrogenation/hydrogenation kinetics of the Mg(NH ₂) ₂ ~2LiH system with NaOH additive. International Journal of Hydrogen Energy, 2011, 36, 2137-2144.	7.1	44
33	Ultrafine SnO ₂ dispersed carbon matrix composites derived by a sol-gel method as anode materials for lithium ion batteries. Electrochimica Acta, 2010, 55, 9067-9074.	5.2	85
34	Hydrogen storage behaviors and microstructure of MF ₃ (M=Ti, Fe)-doped magnesium hydride. Transactions of Nonferrous Metals Society of China, 2010, 20, 1879-1884.	4.2	18