

Tinglu Song

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Promoting Energy Transfer via Manipulation of Crystallization Kinetics of Quasi-2D Perovskites for Efficient Green Light-Emitting Diodes. <i>Advanced Materials</i> , 2021, 33, e2102246.	11.1	88
2	Molecular Hinges Stabilize Formamidinium-Based Perovskite Solar Cells with Compressive Strain. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	50
3	Promoting Thermodynamic and Kinetic Stabilities of FA-based Perovskite by an in Situ Bilayer Structure. <i>Nano Letters</i> , 2020, 20, 3864-3871.	4.5	49
4	8.5-Å-Thick Flexible-Rigid Hybrid Solid-Electrolyte/Lithium Integration for Air-Stable and Interface-Compatible All-Solid-State Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	46
5	Boosting Sodium Storage Performance of Hard Carbon Anodes by Pore Architecture Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47671-47683.	4.0	34
6	Precise Control of a Yolk-Double Shell Metal-Organic Framework-Based Nanostructure Provides Enhanced Fire Safety for Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14805-14816.	4.0	33
7	Unrevealing the effects of low temperature on cycling life of 21700-type cylindrical Li-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 60, 104-110.	7.1	31
8	Strong Interfacial Adhesion between the Li_2S Cathode and a Functional $\text{Li}_7\text{P}_{2.9}\text{Ce}_{0.2}\text{S}_{10.9}\text{Cl}_{0.3}$ Solid-State Electrolyte Endowed Long-Term Cycle Stability to All-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28270-28280.	4.0	27
9	Recent Progress in Developing Monolithic Perovskite/Si Tandem Solar Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 603375.	1.8	22
10	Avoiding Structural Collapse to Reduce Lead Leakage in Perovskite Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	21
11	Anions-Exchange-Induced Efficient Carrier Transport at $\text{CsPbBr}_x\text{Cl}_{3-x}/\text{TiO}_2$ Interface for Photocatalytic Activation of $\text{C}(\text{sp}^3)^{\text{H}}$ bond in Toluene Oxidation. <i>ChemCatChem</i> , 2021, 13, 2592-2598.	1.8	19
12	A cross-linked charring strategy for mitigating the hazards of smoke and heat of aluminum diethylphosphonate/polyamide 6 by caged octaphenyl polyhedral oligomeric silsesquioxanes. <i>Journal of Hazardous Materials</i> , 2022, 424, 127420.	6.5	19
13	Optimizing the Na metal/solid electrolyte interface through a grain boundary design. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5280-5286.	5.2	18
14	Dual-Layered Interfacial Evolution of Lithium Metal Anode: SEI Analysis via TOF-SIMS Technology. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20197-20207.	4.0	18
15	Tailored Carrier Transport Path by Interpenetrating Networks in Cathode Composite for High Performance All-Solid-State Li-SeS ₂ Batteries. <i>Advanced Fiber Materials</i> , 2022, 4, 487-502.	7.9	17
16	1D Perovskitoid as Absorbing Material for Stable Solar Cells. <i>Crystals</i> , 2021, 11, 241.	1.0	16
17	Enhanced Hydrogen Generation Performance of Al-Rich Alloys by a Melting-Mechanical Crushing-Ball Milling Method. <i>Materials</i> , 2021, 14, 7889.	1.3	15
18	The Evolution of Photoluminescence Properties of PEA_2Sn_4 Upon Oxygen Exposure: Insight into Concentration Effects. <i>Advanced Functional Materials</i> , 2022, 32, 2108296.	7.8	14

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19	In Situ Construction of High-Performing Compact SiO _x /CN _x Composites from Polyaminosiloxane for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 5008-5016.	4.0	13
20	A general approach to realizing perovskite nanocrystals with insulating metal sulfate shells. Nanoscale, 2021, 13, 10329-10334.	2.8	9
21	Probing Surface Information of Alloy by Time of Flight-Secondary Ion Mass Spectrometer. Crystals, 2021, 11, 1465.	1.0	7
22	Electrochemical DNA Biosensors Based on the Intrinsic Topological Insulator BiSbTeSe ₂ for Potential Application in HIV Determination. ACS Applied Bio Materials, 2022, 5, 1084-1091.	2.3	7
23	Multi-dimensional characterizations of washing durable ZnO/phosphazene-siloxane coated fabrics via ToF-SIMS and XPS. Polymer Testing, 2022, 114, 107684.	2.3	7
24	Epitaxial growth of atomically thick WSe ₂ nanoribbons. Vacuum, 2021, 189, 110254.	1.6	6
25	Recent Progress in Designing Halide-Perovskite-Based System for the Photocatalytic Applications. Frontiers in Chemistry, 2020, 8, 613174.	1.8	6
26	Influence of Temperature on Mechanical Properties of P(BAMO-r-THF) Elastomer. Polymers, 2020, 12, 2507.	2.0	5
27	Effect of crosslinking point structures on properties of polyurethane end-crosslinked PBT elastomers. Iranian Polymer Journal (English Edition), 2022, 31, 333-341.	1.3	5
28	Nondestructive and Controllable Anion Exchange of Halide Perovskite Films through Finkelstein Reaction. Journal of Physical Chemistry C, 2021, 125, 9253-9260.	1.5	4
29	Morphology-Controlled Electrocatalytic Performance of Two-Dimensional VSe ₂ Nanoflakes for Hydrogen Evolution Reactions. ACS Applied Nano Materials, 2022, 5, 2087-2093.	2.4	4
30	Revealing the vertical structure of in-situ fabricated perovskite nanocrystals films toward efficient pure red light-emitting diodes. Fundamental Research, 2022, , .	1.6	4
31	Silver iodide free aerosol catalyst with high deicing efficiency for weather modifications. AIP Advances, 2021, 11, 025045.	0.6	3
32	Component distribution of nano-carbon materials assisted by Time of Flight-Secondary Ion Mass Spectrometer. Journal of Physics: Conference Series, 2021, 2011, 012071.	0.3	3
33	AgI aerosol catalysts with excellent combustion and nucleation performance for weather modification. Environmental Science Atmospheres, 2021, 1, 518-523.	0.9	2
34	Advanced Li-S Batteries Enabled by a Biomimetic Polysulfide-Engulfing Net. ACS Applied Materials & Interfaces, 2021, 13, 23811-23821.	4.0	2
35	The Activation of Mg Powder Promoted by Chloride and Activation Mechanism. Metals, 2021, 11, 1435.	1.0	1
36	Binding Strength and Hydrogen Bond Numbers between COVID-19 RBD and HVR of Antibody. Crystals, 2021, 11, 997.	1.0	0

#	ARTICLE	IF	CITATIONS
37	Numerical simulations on transmission lines deicing by detonative tube. , 2014, , .		0