

Yi-Chen Yin

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

979
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471509

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1462
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#	ARTICLE	IF	CITATIONS
1	Stable All-Solid-State Lithium Metal Batteries Enabled by Machine Learning Simulation Designed Halide Electrolytes. <i>Nano Letters</i> , 2022, 22, 2461-2469.	9.1	32
2	Trace Doping of Multiple Elements Enables Stable Cycling of High Areal Capacity $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Cathode. <i>Small</i> , 2022, 18, e2106898.	10.0	9
3	Metal Halide Double Perovskite Fast Lithium Ion Conductors with a Unique Octahedral B-Site Vacancy Migration Mechanism. <i>ACS Applied Energy Materials</i> , 2022, 5, 4926-4933.	5.1	1
4	Lead-Free Solid-State Organic-Inorganic Halide Perovskite Electrolyte for Lithium-Ion Conduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17479-17485.	8.0	5
5	Lead-Free Halide CsAg_2I_3 with 1D Electronic Structure and High Stability for Ultraviolet Photodetector. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	18
6	Biomimetic non-classical crystallization drives hierarchical structuring of efficient circularly polarized phosphors. <i>Nature Communications</i> , 2022, 13, .	12.8	21
7	Economical Architected Foamy Aerogel Coating for Energy Conservation and Flame Resistance. , 2022, 4, 1453-1461.		10
8	Multiscale Designed Niobium Titanium Oxide Anode for Fast Charging Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2007419.	14.9	60
9	High Quality $\text{CsPb}_3\text{I}_x\text{Br}_x$ Thin Films Enabled by Synergetic Regulation of Fluorine Polymers and Amino Acid Molecules for Efficient Pure Red Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2001684.	7.3	19
10	Bright and Near-Unity Polarized Light Emission Enabled by Highly Luminescent Cu_2I_2 -Dimer Cluster-Based Hybrid Materials. <i>Nano Letters</i> , 2021, 21, 4115-4121.	9.1	13
11	High Color Purity and Efficient Green Light-Emitting Diode Using Perovskite Nanocrystals with the Size Overly Exceeding Bohr Exciton Diameter. <i>Journal of the American Chemical Society</i> , 2021, 143, 19928-19937.	13.7	41
12	Blow-Spinning Enabled Precise Doping and Coating for Improving High-Voltage Lithium Cobalt Oxide Cathode Performance. <i>Nano Letters</i> , 2020, 20, 677-685.	9.1	49
13	Suppressing Auger Recombination in Cesium Lead Bromide Perovskite Nanocrystal Film for Bright Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9371-9378.	4.6	29
14	Highly Luminescent Copper Iodide Cluster Based Inks with Photoluminescence Quantum Efficiency Exceeding 98%. <i>Journal of the American Chemical Society</i> , 2020, 142, 3686-3690.	13.7	79
15	Metal chloride perovskite thin film based interfacial layer for shielding lithium metal from liquid electrolyte. <i>Nature Communications</i> , 2020, 11, 1761.	12.8	68
16	General Synthesis of Lead-Free Metal Halide Perovskite Colloidal Nanocrystals in 1-Dodecanol. <i>Inorganic Chemistry</i> , 2019, 58, 11807-11818.	4.0	34
17	A Nacre-Inspired Separator Coating for Impact-Tolerant Lithium Batteries. <i>Advanced Materials</i> , 2019, 31, e1905711.	21.0	71
18	A fluorinated alloy-type interfacial layer enabled by metal fluoride nanoparticle modification for stabilizing Li metal anodes. <i>Chemical Science</i> , 2019, 10, 9735-9739.	7.4	29

#	ARTICLE	IF	CITATIONS
19	Diatomite derived hierarchical hybrid anode for high performance all-solid-state lithium metal batteries. <i>Nature Communications</i> , 2019, 10, 2482.	12.8	96
20	Efficient and Color-Tunable Quasi-2D CsPbBr ₃ Cl ₃ Perovskite Blue Light-Emitting Diodes. <i>ACS Photonics</i> , 2019, 6, 667-676.	6.6	87
21	Bio-inspired low-tortuosity carbon host for high-performance lithium-metal anode. <i>National Science Review</i> , 2019, 6, 247-256.	9.5	57
22	Highly Luminescent Inks: Aggregation-Induced Emission of Copper-Iodine Hybrid Clusters. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7106-7110.	13.8	91
23	Room temperature precipitated dual phase CsPbBr ₃ CsPb ₂ Br ₅ nanocrystals for stable perovskite light emitting diodes. <i>Nanoscale</i> , 2018, 10, 19262-19271.	5.6	48
24	Highly Luminescent Inks: Aggregation-Induced Emission of Copper-Iodine Hybrid Clusters. <i>Angewandte Chemie</i> , 2018, 130, 7224-7228.	2.0	11
25	Microemulsion-Induced Stable CsPbBr ₃ /PbWO ₄ Nanocrystals for Light-Emitting Diodes. <i>Advanced Photonics Research</i> , 0, , 2100250.	3.6	1