Yu Chen

List of Publications by Year
in descending order

		361413	395702
34	2,650	20	33
papers	citations	h-index	g-index

34	34	34	4645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultraâ€Thermostability of Spatially Confined and Fully Protected Perovskite Nanocrystals by In Situ Crystallization. Small, 2022, 18, e2107452.	10.0	7
2	High-Performance Blue Quasi-2D Perovskite Light-Emitting Diodes via Balanced Carrier Confinement and Transfer. Nano-Micro Letters, 2022, 14, 66.	27.0	34
3	Highly Luminescent and Ultraâ€Stable Perovskite Films with Excellent Selfâ€Healing Ability for Flexible Lighting and Wide Color Gamut Displays. Advanced Functional Materials, 2022, 32, .	14.9	17
4	Highly Emissive Quasi-2D Perovskites Enabled by a Multifunctional Molecule for Bright Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 21636-21644.	8.0	13
5	Highly Stable SnO₂-Based Quantum-Dot Light-Emitting Diodes with the Conventional Device Structure. ACS Nano, 2022, 16, 9631-9639.	14.6	14
6	Low Roll-Off and High Stable Electroluminescence in Three-Dimensional FAPbI₃ Perovskites with Bifunctional-Molecule Additives. Nano Letters, 2021, 21, 3738-3744.	9.1	33
7	Luminescence and Stability Enhancement of CsPbBr₃ Perovskite Quantum Dots through Surface Sacrificial Coating. Advanced Optical Materials, 2021, 9, 2100474.	7.3	22
8	Restricted growth and grain boundary reinforcement of MAPbBr₃ film by graphene quantum dots with enhanced luminescence and stability. Functional Materials Letters, 2021, 14, 2151028.	1.2	0
9	Perovskite Quantum Dots with Ultrahigh Solid-State Photoluminescence Quantum Efficiency, Superior Stability, and Uncompromised Electrical Conductivity. Journal of Physical Chemistry Letters, 2021, 12, 9115-9123.	4.6	6
10	Mechanically Robust Gel Polymer Electrolyte for an Ultrastable Sodium Metal Battery. Small, 2020, 16, e1906208.	10.0	42
11	Controlled Growth of Li Dendrite Induced by Periodic Ni Mesh for Ultrastable Lithium Metal Battery. Small, 2020, 16, e2005639.	10.0	9
12	MoS₂/SnS₂ nanocomposite as stable sodium-ion battery anode. Functional Materials Letters, 2020, 13, 1950095.	1.2	7
13	Band Gap Engineering in an Efficient Solar-Driven Interfacial Evaporation System. ACS Applied Materials & Interfaces, 2020, 12, 32880-32887.	8.0	73
14	Microstructural and Electrochemical Properties of Al- and Ga-Doped Li₇La₃Zr₂O₁₂ Garnet Solid Electrolytes. ACS Applied Energy Materials, 2020, 3, 4708-4719.	5.1	50
15	Ultra-small Na3V2(PO4)3 nanoparticles decorated MOFs-derived carbon enabling fast charge transfer for high-rate sodium storage. Solid State Ionics, 2019, 342, 115061.	2.7	15
16	Nitrogenâ€Doped MoS₂ Foam for Fast Sodium Ion Storage. Advanced Materials Interfaces, 2019, 6, 1900460.	3.7	39
17	Improving ionic/electronic conductivity of MoS2 Li-ion anode via manganese doping and structural optimization. Chemical Engineering Journal, 2019, 372, 665-672.	12.7	46
18	Preparation of thin solid electrolyte by hot-pressing and diamond wire slicing. RSC Advances, 2019, 9, 11670-11675.	3.6	25

#	Article	IF	Citations
19	Ultrathin, Coreâ€“Shell Structured SiO₂ Coated Mn²⁺â€Doped Perovskite Quantum Dots for Bright White Lightâ€Emitting Diodes. Small, 2019, 15, e1900484.	10.0	95
20	Enhanced Interfacial Kinetics of Carbon Monolith Boosting Ultrafast Naâ€Storage. Small, 2019, 15, 1804158.	10.0	17
21	Highly Stable Silica-Wrapped Mn-Doped CsPbCl₃ Quantum Dots for Bright White Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 43978-43986.	8.0	91
22	Singleâ€Nanostructured Electrochemical Detection for Intrinsic Mechanism of Energy Storage: Progress and Prospect. Small, 2018, 14, e1803482.	10.0	4
23	TiO2â€“B nanofibrils reinforced graphene paper for multifunctional flexible electrode. Journal of Power Sources, 2018, 394, 131-139.	7.8	14
24	Understanding of the Ultrastable Kâ€Ion Storage of Carbonaceous Anode. Advanced Functional Materials, 2018, 28, 1801989.	14.9	159
25	Phosphorus-doped hollow carbon sphere derived from phytic acid for superior sodium-ion batteries. Materials Technology, 2018, 33, 748-753.	3.0	5
26	Progress of metal-phosphide electrodes for advanced sodium-ion batteries. Functional Materials Letters, 2018, 11, 1830001.	1.2	22
27	A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries. Advanced Materials, 2017, 29, 1605160.	21.0	284
28	Enhanced Stability and Tunable Photoluminescence in Perovskite CsPbX₃/ZnS Quantum Dot Heterostructure. Small, 2017, 13, 1604085.	10.0	195
29	High-capacity sodium ion battery anodes based on CuO nanosheets and carboxymethyl cellulose binder. Materials Technology, 2017, 32, 598-605.	3.0	26
30	Greatly Suppressed Shuttle Effect for Improved Lithium Sulfur Battery Performance through Short Chain Intermediates. Nano Letters, 2017, 17, 538-543.	9.1	271
31	Ultraâ€High Pyridinic Nâ€Doped Porous Carbon Monolith Enabling Highâ€Capacity Kâ€Ion Battery Anodes for Both Halfâ€Cell and Fullâ€Cell Applications. Advanced Materials, 2017, 29, 1702268.	21.0	348
32	Halfâ€Cell and Fullâ€Cell Applications of Highly Stable and Binderâ€Free Sodium Ion Batteries Based on Cu₃P Nanowire Anodes. Advanced Functional Materials, 2016, 26, 5019-5027.	14.9	243
33	Engineered nanomembranes for smart energy storage devices. Chemical Society Reviews, 2016, 45, 1308-1330.	38.1	167
34	Ultrasmall Fe₃O₄ Nanoparticle/MoS₂ Nanosheet Composites with Superior Performances for Lithium Ion Batteries. Small, 2014, 10, 1536-1543.	10.0	257