

Yu Chen

List of Publications by Year in descending order

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34
papers

2,650
citations

361413

20
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

4645
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-High Pyridinic N-Doped Porous Carbon Monolith Enabling High-Capacity K ⁺ Ion Battery Anodes for Both Half-Cell and Full-Cell Applications. <i>Advanced Materials</i> , 2017, 29, 1702268.	21.0	348
2	A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1605160.	21.0	284
3	Greatly Suppressed Shuttle Effect for Improved Lithium Sulfur Battery Performance through Short Chain Intermediates. <i>Nano Letters</i> , 2017, 17, 538-543.	9.1	271
4	Ultrasmall Fe ₃ O ₄ Nanoparticle/MoS ₂ Nanosheet Composites with Superior Performances for Lithium Ion Batteries. <i>Small</i> , 2014, 10, 1536-1543.	10.0	257
5	Half-Cell and Full-Cell Applications of Highly Stable and Binder-Free Sodium Ion Batteries Based on Cu ₃ P Nanowire Anodes. <i>Advanced Functional Materials</i> , 2016, 26, 5019-5027.	14.9	243
6	Enhanced Stability and Tunable Photoluminescence in Perovskite CsPbX ₃ /ZnS Quantum Dot Heterostructure. <i>Small</i> , 2017, 13, 1604085.	10.0	195
7	Engineered nanomembranes for smart energy storage devices. <i>Chemical Society Reviews</i> , 2016, 45, 1308-1330.	38.1	167
8	Understanding of the Ultrastable K ⁺ Ion Storage of Carbonaceous Anode. <i>Advanced Functional Materials</i> , 2018, 28, 1801989.	14.9	159
9	Ultrathin, Core-Shell Structured SiO ₂ Coated Mn ²⁺ -Doped Perovskite Quantum Dots for Bright White Light-Emitting Diodes. <i>Small</i> , 2019, 15, e1900484.	10.0	95
10	Highly Stable Silica-Wrapped Mn-Doped CsPbCl ₃ Quantum Dots for Bright White Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43978-43986.	8.0	91
11	Band Gap Engineering in an Efficient Solar-Driven Interfacial Evaporation System. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32880-32887.	8.0	73
12	Microstructural and Electrochemical Properties of Al- and Ga-Doped Li ₇ La ₃ Zr ₂ O ₁₂ Garnet Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2020, 3, 4708-4719.	5.1	50
13	Improving ionic/electronic conductivity of MoS ₂ Li-ion anode via manganese doping and structural optimization. <i>Chemical Engineering Journal</i> , 2019, 372, 665-672.	12.7	46
14	Mechanically Robust Gel Polymer Electrolyte for an Ultrastable Sodium Metal Battery. <i>Small</i> , 2020, 16, e1906208.	10.0	42
15	Nitrogen-Doped MoS ₂ Foam for Fast Sodium Ion Storage. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900460.	3.7	39
16	High-Performance Blue Quasi-2D Perovskite Light-Emitting Diodes via Balanced Carrier Confinement and Transfer. <i>Nano-Micro Letters</i> , 2022, 14, 66.	27.0	34
17	Low Roll-Off and High Stable Electroluminescence in Three-Dimensional FAPbI ₃ Perovskites with Bifunctional-Molecule Additives. <i>Nano Letters</i> , 2021, 21, 3738-3744.	9.1	33
18	High-capacity sodium ion battery anodes based on CuO nanosheets and carboxymethyl cellulose binder. <i>Materials Technology</i> , 2017, 32, 598-605.	3.0	26

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19	Preparation of thin solid electrolyte by hot-pressing and diamond wire slicing. RSC Advances, 2019, 9, 11670-11675.	3.6	25
20	Progress of metal-phosphide electrodes for advanced sodium-ion batteries. Functional Materials Letters, 2018, 11, 1830001.	1.2	22
21	Luminescence and Stability Enhancement of CsPbBr ₃ Perovskite Quantum Dots through Surface Sacrificial Coating. Advanced Optical Materials, 2021, 9, 2100474.	7.3	22
22	Enhanced Interfacial Kinetics of Carbon Monolith Boosting Ultrafast Na ⁺ Storage. Small, 2019, 15, 1804158.	10.0	17
23	Highly Luminescent and Ultra-Stable Perovskite Films with Excellent Self-Healing Ability for Flexible Lighting and Wide Color Gamut Displays. Advanced Functional Materials, 2022, 32, .	14.9	17
24	Ultra-small Na ₃ V ₂ (PO ₄) ₃ nanoparticles decorated MOFs-derived carbon enabling fast charge transfer for high-rate sodium storage. Solid State Ionics, 2019, 342, 115061.	2.7	15
25	TiO ₂ -B nanofibrils reinforced graphene paper for multifunctional flexible electrode. Journal of Power Sources, 2018, 394, 131-139.	7.8	14
26	Highly Stable SnO ₂ -Based Quantum-Dot Light-Emitting Diodes with the Conventional Device Structure. ACS Nano, 2022, 16, 9631-9639.	14.6	14
27	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
28	Controlled Growth of Li Dendrite Induced by Periodic Ni Mesh for Ultrastable Lithium Metal Battery. Small, 2020, 16, e2005639.	10.0	9
29	MoS ₂ /SnS ₂ nanocomposite as stable sodium-ion battery anode. Functional Materials Letters, 2020, 13, 1950095.	1.2	7
30	Ultra-Thermostability of Spatially Confined and Fully Protected Perovskite Nanocrystals by In Situ Crystallization. Small, 2022, 18, e2107452.	10.0	7
31	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
32	Phosphorus-doped hollow carbon sphere derived from phytic acid for superior sodium-ion batteries. Materials Technology, 2018, 33, 748-753.	3.0	5
33	Single-Nanostructured Electrochemical Detection for Intrinsic Mechanism of Energy Storage: Progress and Prospect. Small, 2018, 14, e1803482.	10.0	4
34	Restricted growth and grain boundary reinforcement of MAPbBr ₃ film by graphene quantum dots with enhanced luminescence and stability. Functional Materials Letters, 2021, 14, 2151028.	1.2	0