Shuya Wei

List of Publications by Year
in descending order

25 papers	4,835 citations	361296 20 h-index	580701 25 g-index
27 all docs	27 docs citations	27 times ranked	6449 citing authors

#	Article	IF	Citations
1	Recent Progress of the Solidâ€State Electrolytes for Highâ€Energy Metalâ€Based Batteries. Advanced Energy Materials, 2018, 8, 1702657.	10.2	851
2	Metalâ€“Sulfur Battery Cathodes Based on PANâ€“Sulfur Composites. Journal of the American Chemical Society, 2015, 137, 12143-12152.	6.6	488
3	A stable room-temperature sodiumâ€“sulfur battery. Nature Communications, 2016, 7, 11722.	5.8	459
4	Fast ion transport at solidâ€“solid interfaces in hybrid battery anodes. Nature Energy, 2018, 3, 310-316.	19.8	413
5	Embedding Sulfur in MOFâ€Derived Microporous Carbon Polyhedrons for Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2013, 19, 10804-10808.	1.7	355
6	Nanomaterials: Science and applications in the lithiumâ€“sulfur battery. Nano Today, 2015, 10, 315-338.	6.2	324
7	Designing solid-liquid interphases for sodium batteries. Nature Communications, 2017, 8, 898.	5.8	303
8	Enhanced Liâ€“S Batteries Using Amine-Functionalized Carbon Nanotubes in the Cathode. ACS Nano, 2016, 10, 1050-1059.	7.3	289
9	Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes. Advanced Materials, 2017, 29, 1605512.	11.1	214
10	Designing Artificial Solid-Electrolyte Interphases for Single-Ion and High-Efficiency Transport in Batteries. Joule, 2017, 1, 394-406.	11.7	202
11	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. Angewandte Chemie - International Edition, 2018, 57, 992-996.	7.2	178
12	Electrochemical Interphases for High-Energy Storage Using Reactive Metal Anodes. Accounts of Chemical Research, 2018, 51, 80-88.	7.6	145
13	Nanoporous Hybrid Electrolytes for Highâ€Energy Batteries Based on Reactive Metal Anodes. Advanced Energy Materials, 2017, 7, 1602367.	10.2	122
14	Hybrid cathode architectures for lithium batteries based on TiS₂ and sulfur. Journal of Materials Chemistry A, 2015, 3, 19857-19866.	5.2	119
15	Stabilizing electrochemical interfaces in viscoelastic liquid electrolytes. Science Advances, 2018, 4, eaao6243.	4.7	81
16	Hybrid Hairy Nanoparticle Electrolytes Stabilizing Lithium Metal Batteries. Chemistry of Materials, 2016, 28, 2147-2157.	3.2	69
17	Fabricating multifunctional nanoparticle membranes by a fast layer-by-layer Langmuirâ€“Blodgett process: application in lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 14709-14719.	5.2	65
18	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. Angewandte Chemie, 2018, 130, 1004-1008.	1.6	55

#	Article	IF	Citations
19	Virusâ€Templated Nickel Phosphide Nanofoams as Additiveâ€Free, Thinâ€Film Liâ€Ion Microbattery Anodes. Small, 2019, 15, e1903166.	5.2	31
20	Electrochemistry of metal-CO2 batteries: Opportunities and challenges. Energy Storage Materials, 2022, 45, 911-933.	9.5	24
21	Biotemplated Zinc Sulfide Nanofibers as Anode Materials for Sodium-Ion Batteries. ACS Applied Nano Materials, 2018, 1, 5631-5639.	2.4	20
22	The Sodiumâ€“Oxygen/Carbon Dioxide Electrochemical Cell. ChemSusChem, 2016, 9, 1600-1606.	3.6	14
23	Bioâ€derived nanomaterials for energy storage and conversion. Nano Select, 2021, 2, 1682-1706.	1.9	11
24	Sodium Batteries: Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10	11.1	1
25	Titelbild: Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries (Angew. Chem. 4/2018). Angewandte Chemie, 2018, 130, 863-863.	1.6	0