Shuya Wei

List of Publications by Year in Descending Order

25 papers	3,709 citations	18 h-index	27 g-index
27 ext. papers	4,282 ext. citations	16.4 avg, IF	5.75 L-index

#	Paper	IF	Citations
25	Electrochemistry of metal-CO2 batteries: Opportunities and challenges. *Energy Storage Materials*, **2022**, 45, 911-933	19.4	1
24	Bio-derived nanomaterials for energy storage and conversion. *Nano Select*, **2021**, 2, 1682-1706	3.1	4
23	Virus-Templated Nickel Phosphide Nanofoams as Additive-Free, Thin-Film Li-Ion Microbattery Anodes. *Small*, **2019**, 15, e1903166	11	18
22	Fast ion transport at solid–solid interfaces in hybrid battery anodes. *Nature Energy*, **2018**, 3, 310-316	62.3	313
21	Recent Progress of the Solid-State Electrolytes for High-Energy Metal-Based Batteries. *Advanced Energy Materials*, **2018**, 8, 1702657	21.8	577
20	Titelbild: Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries (Angew. Chem. 4/2018). *Angewandte Chemie*, **2018**, 130, 863-863	3.6	
19	Stabilizing electrochemical interfaces in viscoelastic liquid electrolytes. *Science Advances*, **2018**, 4, eaao6243	13	60
18	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 992-996	16.4	139
17	Electrochemical Interphases for High-Energy Storage Using Reactive Metal Anodes. *Accounts of Chemical Research*, **2018**, 51, 80-88	24.3	114
16	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. *Angewandte Chemie*, **2018**, 130, 1004-1008	3.6	44
15	Biotemplated Zinc Sulfide Nanofibers as Anode Materials for Sodium-Ion Batteries. *ACS Applied Nano Materials*, **2018**, 1, 5631-5639	5.6	10
14	Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes. *Advanced Materials*, **2017**, 29, 1605512	24	151
13	Nanoporous Hybrid Electrolytes for High-Energy Batteries Based on Reactive Metal Anodes. *Advanced Energy Materials*, **2017**, 7, 1602367	21.8	95
12	Sodium Batteries: Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes (Adv. Mater. 12/2017). *Advanced Materials*, **2017**, 29,	24	1
11	Designing solid-liquid interphases for sodium batteries. *Nature Communications*, **2017**, 8, 898	17.4	212
10	Designing Artificial Solid-Electrolyte Interphases for Single-Ion and High-Efficiency Transport in Batteries. *Joule*, **2017**, 1, 394-406	27.8	146
9	A stable room-temperature sodium-sulfur battery. *Nature Communications*, **2016**, 7, 11722	17.4	353

8	The Sodium-Oxygen/Carbon Dioxide Electrochemical Cell. *ChemSusChem*, **2016**, 9, 1600-6	8.3	13
7	Enhanced Li-S Batteries Using Amine-Functionalized Carbon Nanotubes in the Cathode. *ACS Nano*, **2016**, 10, 1050-9	16.7	251
6	Hybrid Hairy Nanoparticle Electrolytes Stabilizing Lithium Metal Batteries. *Chemistry of Materials*, **2016**, 28, 2147-2157	9.6	57
5	Fabricating multifunctional nanoparticle membranes by a fast layer-by-layer Langmuir–Blodgett process: application in lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2016**, 4, 14709-14719	13	53
4	Nanomaterials: Science and applications in the lithium–sulfur battery. *Nano Today*, **2015**, 10, 315-338	17.9	282
3	Hybrid cathode architectures for lithium batteries based on TiS2 and sulfur. *Journal of Materials Chemistry A*, **2015**, 3, 19857-19866	13	111
2	Metal-Sulfur Battery Cathodes Based on PAN-Sulfur Composites. *Journal of the American Chemical Society*, **2015**, 137, 12143-52	16.4	376
1	Embedding sulfur in MOF-derived microporous carbon polyhedrons for lithium-sulfur batteries. *Chemistry - A European Journal*, **2013**, 19, 10804-8	4.8	327