Shuya Wei

List of Publications by Citations

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

#	Paper	IF	Citations
25	Recent Progress of the Solid-State Electrolytes for High-Energy Metal-Based Batteries. *Advanced Energy Materials*, **2018**, 8, 1702657	21.8	577
24	Metal-Sulfur Battery Cathodes Based on PAN-Sulfur Composites. *Journal of the American Chemical Society*, **2015**, 137, 12143-52	16.4	376
23	A stable room-temperature sodium-sulfur battery. *Nature Communications*, **2016**, 7, 11722	17.4	353
22	Embedding sulfur in MOF-derived microporous carbon polyhedrons for lithium-sulfur batteries. *Chemistry - A European Journal*, **2013**, 19, 10804-8	4.8	327
21	Fast ion transport at solid–solid interfaces in hybrid battery anodes. *Nature Energy*, **2018**, 3, 310-316	62.3	313
20	Nanomaterials: Science and applications in the lithium–sulfur battery. *Nano Today*, **2015**, 10, 315-338	17.9	282
19	Enhanced Li-S Batteries Using Amine-Functionalized Carbon Nanotubes in the Cathode. *ACS Nano*, **2016**, 10, 1050-9	16.7	251
18	Designing solid-liquid interphases for sodium batteries. *Nature Communications*, **2017**, 8, 898	17.4	212
17	Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes. *Advanced Materials*, **2017**, 29, 1605512	24	151
16	Designing Artificial Solid-Electrolyte Interphases for Single-Ion and High-Efficiency Transport in Batteries. *Joule*, **2017**, 1, 394-406	27.8	146
15	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 992-996	16.4	139
14	Electrochemical Interphases for High-Energy Storage Using Reactive Metal Anodes. *Accounts of Chemical Research*, **2018**, 51, 80-88	24.3	114
13	Hybrid cathode architectures for lithium batteries based on TiS2 and sulfur. *Journal of Materials Chemistry A*, **2015**, 3, 19857-19866	13	111
12	Nanoporous Hybrid Electrolytes for High-Energy Batteries Based on Reactive Metal Anodes. *Advanced Energy Materials*, **2017**, 7, 1602367	21.8	95
11	Stabilizing electrochemical interfaces in viscoelastic liquid electrolytes. *Science Advances*, **2018**, 4, eaao6243	243	60
10	Hybrid Hairy Nanoparticle Electrolytes Stabilizing Lithium Metal Batteries. *Chemistry of Materials*, **2016**, 28, 2147-2157	9.6	57
9	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

List of Publications

8	Building Organic/Inorganic Hybrid Interphases for Fast Interfacial Transport in Rechargeable Metal Batteries. *Angewandte Chemie*, **2018**, 130, 1004-1008	3.6	44
7	Virus-Templated Nickel Phosphide Nanofoams as Additive-Free, Thin-Film Li-Ion Microbattery Anodes. *Small*, **2019**, 15, e1903166	11	18
6	The Sodium-Oxygen/Carbon Dioxide Electrochemical Cell. *ChemSusChem*, **2016**, 9, 1600-6	8.3	13
5	Biotemplated Zinc Sulfide Nanofibers as Anode Materials for Sodium-Ion Batteries. *ACS Applied Nano Materials*, **2018**, 1, 5631-5639	5.6	10
4	Bio-derived nanomaterials for energy storage and conversion. *Nano Select*, **2021**, 2, 1682-1706	3.1	4
3	Sodium Batteries: Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes (Adv. Mater. 12/2017). *Advanced Materials*, **2017**, 29,	24	1
2	Electrochemistry of metal-CO2 batteries: Opportunities and challenges. *Energy Storage Materials*, **2022**, 45, 911-933	19.4	1
1	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	