

Daiwei Wang

List of Publications by Year in descending order

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17
papers

2,263
citations

516215

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887659

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docs citations

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times ranked

2899
citing authors

#	ARTICLE	IF	CITATIONS
1	A Superior Carbonate Electrolyte for Stable Cycling Li Metal Batteries Using High Ni Cathode. ACS Energy Letters, 2022, 7, 2282-2288.	8.8	32
2	Online state estimation for a physics-based Lithium-Sulfur battery model. Journal of Power Sources, 2021, 489, 229495.	4.0	20
3	Confining Sulfur in Porous Carbon by Vapor Deposition to Achieve High-Performance Cathode for All-Solid-State Lithium-Sulfur Batteries. ACS Energy Letters, 2021, 6, 413-418.	8.8	37
4	Stable metal anodes enabled by a labile organic molecule bonded to a reduced graphene oxide aerogel. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30135-30141.	3.3	17
5	Low-temperature and high-rate-charging lithium metal batteries enabled by an electrochemically active monolayer-regulated interface. Nature Energy, 2020, 5, 534-542.	19.8	280
6	A new approach to both high safety and high performance of lithium-ion batteries. Science Advances, 2020, 6, eaay7633.	4.7	83
7	Stable Li metal anode by a polyvinyl alcohol protection layer via modifying solid-electrolyte interphase layer. Nano Energy, 2019, 64, 103893.	8.2	106
8	Electrokinetic Phenomena Enhanced Lithium-Ion Transport in Leaky Film for Stable Lithium Metal Anodes. Advanced Energy Materials, 2019, 9, 1900704.	10.2	76
9	Stable Li Metal Anode by a Hybrid Lithium Polysulfidophosphate/Polymer Cross-Linking Film. ACS Energy Letters, 2019, 4, 1271-1278.	8.8	107
10	Polymer-Inorganic Solid Electrolyte Interphase for stable lithium metal batteries under lean electrolyte conditions. Nature Materials, 2019, 18, 384-389.	13.3	587
11	Supremely elastic gel polymer electrolyte enables a reliable electrode structure for silicon-based anodes. Nature Communications, 2019, 10, 5586.	5.8	80
12	Self-Formed Hybrid Interphase Layer on Lithium Metal for High-Performance Lithium-Sulfur Batteries. ACS Nano, 2018, 12, 1500-1507.	7.3	149
13	Superior Performance of a Lithium-Sulfur Battery Enabled by a Dimethyl Trisulfide Containing Electrolyte. Small Methods, 2018, 2, 1800038.	4.6	44
14	Stable metal battery anodes enabled by polyethylenimine sponge hosts by way of electrokinetic effects. Nature Energy, 2018, 3, 1076-1083.	19.8	338
15	Salt-Based Organic-Inorganic Nanocomposites: Towards A Stable Lithium Metal/Li ₁₀ GeP ₂ S ₁₂ Solid Electrolyte Interface. Angewandte Chemie - International Edition, 2018, 57, 13608-13612.	7.2	138
16	Salt-Based Organic-Inorganic Nanocomposites: Towards A Stable Lithium Metal/Li ₁₀ GeP ₂ S ₁₂ Solid Electrolyte Interface. Angewandte Chemie, 2018, 130, 13796-13800.	1.6	5
17	Exceptionally High Ionic Conductivity in Na ₃ P _{0.62} As _{0.38} S ₄ with Improved Moisture Stability for Solid-State Sodium-Ion Batteries. Advanced Materials, 2017, 29, 1605561.	11.1	164