

Quanquan Pang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

8,640
citations

24
h-index

35
g-index

35
ext. papers

9,950
ext. citations

20.2
avg, IF

6.73
L-index

#	Paper	IF	Citations
31	Efforts at Enhancing Bifunctional Electrocatalysis and Related Events for Rechargeable Zinc-Air Batteries. <i>ChemElectroChem</i> , 2021 , 8, 3996	4.3	0
30	Efforts at Enhancing Bifunctional Electrocatalysis and Related Events for Rechargeable Zinc-Air Batteries. <i>ChemElectroChem</i> , 2021 , 8, 3998	4.3	6
29	Electrolyte solutions design for lithium-sulfur batteries. <i>Joule</i> , 2021 , 5, 2323-2364	27.8	38
28	Advances in metal-organic framework coatings: versatile synthesis and broad applications. <i>Chemical Society Reviews</i> , 2020 , 49, 3142-3186	58.5	167
27	Introduce Tortuosity to Retain Polysulfides and Suppress Li Dendrites. <i>Matter</i> , 2020 , 2, 1363-1365	12.7	2
26	Impact of the Mechanical Properties of a Functionalized Cross-Linked Binder on the Longevity of Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22481-22491	9.5	14
25	Lightweight Metallic MgB ₂ Mediates Polysulfide Redox and Promises High-Energy-Density Lithium-Sulfur Batteries. <i>Joule</i> , 2019 , 3, 136-148	27.8	178
24	Tuning the electrolyte network structure to invoke quasi-solid state sulfur conversion and suppress lithium dendrite formation in LiS batteries. <i>Nature Energy</i> , 2018 , 3, 783-791	62.3	282
23	Elastic and Li-ion-percolating hybrid membrane stabilizes Li metal plating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12389-12394	11.5	32
22	Stabilizing Lithium Plating by a Biphasic Surface Layer Formed In Situ. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9795-9798	16.4	98
21	Stabilizing Lithium Plating by a Biphasic Surface Layer Formed In Situ. <i>Angewandte Chemie</i> , 2018 , 130, 9943-9946	3.6	31
20	Inhibiting Polysulfide Shuttle in Lithium-Sulfur Batteries through Low-Ion-Pairing Salts and a Triflamide Solvent. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6192-6197	16.4	86
19	Inhibiting Polysulfide Shuttle in Lithium-Sulfur Batteries through Low-Ion-Pairing Salts and a Triflamide Solvent. <i>Angewandte Chemie</i> , 2017 , 129, 6288-6293	3.6	19
18	Directing the Lithium-Sulfur Reaction Pathway via Sparingly Solvating Electrolytes for High Energy Density Batteries. <i>ACS Central Science</i> , 2017 , 3, 605-613	16.8	125
17	A facile surface chemistry route to a stabilized lithium metal anode. <i>Nature Energy</i> , 2017 , 2,	62.3	618
16	An In Vivo Formed Solid Electrolyte Surface Layer Enables Stable Plating of Li Metal. <i>Joule</i> , 2017 , 1, 871-886	27.8	213
15	Interwoven MXene Nanosheet/Carbon-Nanotube Composites as Li-S Cathode Hosts. <i>Advanced Materials</i> , 2017 , 29, 1603040	24	451

14	A Comprehensive Approach toward Stable Lithium-Sulfur Batteries with High Volumetric Energy Density. <i>Advanced Energy Materials</i> , 2017 , 7, 1601630	21.8	240
13	Methods and Protocols for Electrochemical Energy Storage Materials Research. <i>Chemistry of Materials</i> , 2017 , 29, 90-105	9.6	106
12	Advances in lithium-Sulfur batteries based on multifunctional cathodes and electrolytes. <i>Nature Energy</i> , 2016 , 1,	62.3	1317
11	A graphene-like metallic cathode host for long-life and high-loading lithium-Sulfur batteries. <i>Materials Horizons</i> , 2016 , 3, 130-136	14.4	355
10	Long-Life and High-Areal-Capacity Li-S Batteries Enabled by a Light-Weight Polar Host with Intrinsic Polysulfide Adsorption. <i>ACS Nano</i> , 2016 , 10, 4111-8	16.7	314
9	Tuning Transition Metal Oxide-Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle. <i>Advanced Energy Materials</i> , 2016 , 6, 1501636	21.8	448
8	Lithium-Sulfur Batteries: Tuning Transition Metal Oxide-Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle (Adv. Energy Mater. 6/2016). <i>Advanced Energy Materials</i> , 2016 , 6,	21.8	3
7	Review-The Importance of Chemical Interactions between Sulfur Host Materials and Lithium Polysulfides for Advanced Lithium-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A2567-A2576	3.9	263
6	A nitrogen and sulfur dual-doped carbon derived from polyrhodanine@cellulose for advanced lithium-sulfur batteries. <i>Advanced Materials</i> , 2015 , 27, 6021-8	24	595
5	A highly efficient polysulfide mediator for lithium-sulfur batteries. <i>Nature Communications</i> , 2015 , 6, 56827.4	13.85	
4	Surface-enhanced redox chemistry of polysulphides on a metallic and polar host for lithium-sulphur batteries. <i>Nature Communications</i> , 2014 , 5, 4759	17.4	972
3	Lithium-sulfur batteries. <i>MRS Bulletin</i> , 2014 , 39, 436-442	3.2	249
2	Effects of titanium incorporation on phase and electrochemical performance in LiFePO ₄ cathode material. <i>Electrochimica Acta</i> , 2012 , 78, 576-584	6.7	26
1	Charge storage mechanisms of cathode materials in rechargeable aluminum batteries. <i>Science China Chemistry</i> , 1	7.9	1