

Peng Shi

List of Publications by Year in descending order

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31
papers

2,550
citations

257357

24
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434063

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32
docs citations

32
times ranked

2238
citing authors

#	ARTICLE	IF	CITATIONS
1	Polar interaction of polymer hostâ€“solvent enables stable solid electrolyte interphase in composite lithium metal anodes. <i>Journal of Energy Chemistry</i> , 2022, 64, 172-178.	7.1	42
2	A Successive Conversionâ€“Deintercalation Delithiation Mechanism for Practical Composite Lithium Anodes. <i>Journal of the American Chemical Society</i> , 2022, 144, 212-218.	6.6	66
3	Advances in carbon materials for stable lithium metal batteries. <i>New Carbon Materials</i> , 2022, 37, 1-24.	2.9	31
4	Modification of Nitrate Ion Enables Stable Solid Electrolyte Interphase in Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	96
5	Modification of Nitrate Ion Enables Stable Solid Electrolyte Interphase in Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
6	Failure Mechanism of Lithiophilic Sites in Composite Lithium Metal Anode under Practical Conditions. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	56
7	Thermal safety of dendritic lithium against non-aqueous electrolyte in pouch-type lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2022, 72, 158-165.	7.1	65
8	A Pressure Selfâ€“Adaptable Route for Uniform Lithium Plating and Stripping in Composite Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2004189.	7.8	39
9	The Insights of Lithium Metal Plating/Stripping in Porous Hosts: Progress and Perspectives. <i>Energy Technology</i> , 2021, 9, 2000700.	1.8	38
10	How Does External Pressure Shape Li Dendrites in Li Metal Batteries?. <i>Advanced Energy Materials</i> , 2021, 11, 2003416.	10.2	141
11	Stable interfaces constructed by concentrated ether electrolytes to render robust lithium metal batteries. <i>Chinese Journal of Chemical Engineering</i> , 2021, 37, 152-158.	1.7	10
12	Deciphering the Effect of Electrical Conductivity of Hosts on Lithium Deposition in Composite Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2021, 11, 2101654.	10.2	49
13	Reclaiming Inactive Lithium with a Triiodide/Iodide Redox Couple for Practical Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22990-22995.	7.2	52
14	Reclaiming Inactive Lithium with a Triiodide/Iodide Redox Couple for Practical Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2021, 133, 23172.	1.6	10
15	Glycolide additives enrich organic components in the solid electrolyte interphase enabling stable ultrathin lithium metal anodes. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2791-2797.	3.2	21
16	A Review of Composite Lithium Metal Anode for Practical Applications. <i>Advanced Materials Technologies</i> , 2020, 5, .	3.0	111
17	A Sustainable Solid Electrolyte Interphase for Highâ€“Energyâ€“Density Lithium Metal Batteries Under Practical Conditions. <i>Angewandte Chemie</i> , 2020, 132, 3278-3283.	1.6	60
18	Crosstalk shielding of transition metal ions for long cycling lithiumâ€“metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4283-4289.	5.2	51

#	ARTICLE	IF	CITATIONS
19	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3252-3257.	7.2	221
20	The origin of sulfuryl-containing components in SEI from sulfate additives for stable cycling of ultrathin lithium metal anodes. <i>Journal of Energy Chemistry</i> , 2020, 47, 128-131.	7.1	63
21	Shielding Polysulfide Intermediates by an Organosulfur-Containing Solid Electrolyte Interphase on the Lithium Anode in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020, 32, e2003012.	11.1	108
22	Mesoporous Graphene Hosts for Dendrite-Free Lithium Metal Anode in Working Rechargeable Batteries. <i>Transactions of Tianjin University</i> , 2020, 26, 127-134.	3.3	33
23	Composite Lithium Anodes: A Review of Composite Lithium Metal Anode for Practical Applications (<i>Adv. Mater. Technol.</i> 1/2020). <i>Advanced Materials Technologies</i> , 2020, 5, 2070002.	3.0	2
24	Innenr¼cktitelbild: A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions (<i>Angew. Chem.</i> 8/2020). <i>Angewandte Chemie</i> , 2020, 132, 3363-3363.	1.6	0
25	Failure mechanism of lithium metal anode under practical conditions. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 228501.	0.2	8
26	Electrochemical Diagram of an Ultrathin Lithium Metal Anode in Pouch Cells. <i>Advanced Materials</i> , 2019, 31, e1902785.	11.1	121
27	Fluorinated Solid-Electrolyte Interphase in High-Voltage Lithium Metal Batteries. <i>Joule</i> , 2019, 3, 2647-2661.	11.7	432
28	Dendrite-free sandwiched ultrathin lithium metal anode with even lithium plating and stripping behavior. <i>Nano Research</i> , 2019, 12, 2224-2229.	5.8	36
29	Lithiophilic LiC ₆ Layers on Carbon Hosts Enabling Stable Li Metal Anode in Working Batteries. <i>Advanced Materials</i> , 2019, 31, e1807131.	11.1	273
30	Lithium matrix composite anode protected by a solid electrolyte layer for stable lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2019, 37, 29-34.	7.1	219
31	Recent progress in carbon/lithium metal composite anode for safe lithium metal batteries. <i>Rare Metals</i> , 2018, 37, 449-458.	3.6	86