

Chong Yan

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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.

89
papers

8,976
citations

44
h-index

94
g-index

105
ext. papers

11,932
ext. citations

13.2
avg, IF

6.96
L-index

#	Paper	IF	Citations
89	Fluoroethylene Carbonate Additives to Render Uniform Li Deposits in Lithium Metal Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1605989	15.6	878
88	Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7764-7768	16.4	760
87	Coralloid Carbon Fiber-Based Composite Lithium Anode for Robust Lithium Metal Batteries. <i>Joule</i> , 2018 , 2, 764-777	27.8	435
86	Implantable Solid Electrolyte Interphase in Lithium-Metal Batteries. <i>Chem</i> , 2017 , 2, 258-270	16.2	411
85	Highly Stable Lithium Metal Batteries Enabled by Regulating the Solvation of Lithium Ions in Nonaqueous Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5301-5305	16.4	402
84	Artificial Soft/Rigid Protective Layer for Dendrite-Free Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2018 , 28, 1705838	15.6	355
83	Artificial Interphases for Highly Stable Lithium Metal Anode. <i>Matter</i> , 2019 , 1, 317-344	12.7	303
82	Beyond lithium ion batteries: Higher energy density battery systems based on lithium metal anodes. <i>Energy Storage Materials</i> , 2018 , 12, 161-175	19.4	284
81	Dual-Layered Film Protected Lithium Metal Anode to Enable Dendrite-Free Lithium Deposition. <i>Advanced Materials</i> , 2018 , 30, e1707629	24	278
80	Lithium Nitrate Solvation Chemistry in Carbonate Electrolyte Sustains High-Voltage Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14055-14059	16.4	249
79	An Armored Mixed Conductor Interphase on a Dendrite-Free Lithium-Metal Anode. <i>Advanced Materials</i> , 2018 , 30, e1804461	24	246
78	The gap between long lifespan Li-S coin and pouch cells: The importance of lithium metal anode protection. <i>Energy Storage Materials</i> , 2017 , 6, 18-25	19.4	240
77	Regulating the Inner Helmholtz Plane for Stable Solid Electrolyte Interphase on Lithium Metal Anodes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9422-9429	16.4	216
76	Lithium metal protection through in-situ formed solid electrolyte interphase in lithium-sulfur batteries: The role of polysulfides on lithium anode. <i>Journal of Power Sources</i> , 2016 , 327, 212-220	8.9	201
75	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	12	175
74	Controlling Dendrite Growth in Solid-State Electrolytes. <i>ACS Energy Letters</i> , 2020 , 5, 833-843	20.1	165
73	Sulfurized solid electrolyte interphases with a rapid Li ⁺ diffusion on dendrite-free Li metal anodes. <i>Energy Storage Materials</i> , 2018 , 10, 199-205	19.4	165

72	Dual-Phase Single-Ion Pathway Interfaces for Robust Lithium Metal in Working Batteries. <i>Advanced Materials</i> , 2019 , 31, e1808392	24	162
71	Electronic and Ionic Channels in Working Interfaces of Lithium Metal Anodes. <i>ACS Energy Letters</i> , 2018 , 3, 1564-1570	20.1	158
70	Towards stable lithium-sulfur batteries: Mechanistic insights into electrolyte decomposition on lithium metal anode. <i>Energy Storage Materials</i> , 2017 , 8, 194-201	19.4	133
69	A compact inorganic layer for robust anode protection in lithium-sulfur batteries. <i>Information Materials</i> , 2020 , 2, 379-388	23.1	133
68	A review on energy chemistry of fast-charging anodes. <i>Chemical Society Reviews</i> , 2020 , 49, 3806-3833	58.5	131
67	Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2017 , 129, 7872-7876	3.6	127
66	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	16.4	127
65	Toward Critical Electrode/Electrolyte Interfaces in Rechargeable Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1909887	15.6	114
64	Plating/Stripping Behavior of Actual Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2019 , 9, 1902254	21.8	109
63	Liquid phase therapy to solid electrolyte-electrode interface in solid-state Li metal batteries: A review. <i>Energy Storage Materials</i> , 2020 , 24, 75-84	19.4	109
62	Regulating Interfacial Chemistry in Lithium-Ion Batteries by a Weakly Solvating Electrolyte*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4090-4097	16.4	106
61	Highly Stable Lithium Metal Batteries Enabled by Regulating the Solvation of Lithium Ions in Nonaqueous Electrolytes. <i>Angewandte Chemie</i> , 2018 , 130, 5399-5403	3.6	97
60	A Diffusion-Reaction Competition Mechanism to Tailor Lithium Deposition for Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7743-7747	16.4	91
59	Lithium Nitrate Solvation Chemistry in Carbonate Electrolyte Sustains High-Voltage Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 14251-14255	3.6	87
58	Perspective on the critical role of interface for advanced batteries. <i>Journal of Energy Chemistry</i> , 2020 , 47, 217-220	12	82
57	Electrochemical Diagram of an Ultrathin Lithium Metal Anode in Pouch Cells. <i>Advanced Materials</i> , 2019 , 31, e1902785	24	78
56	A Review of Advanced Energy Materials for Magnesium-Sulfur Batteries. <i>Energy and Environmental Materials</i> , 2018 , 1, 100-112	13	74
55	Inhibiting Solvent Co-Intercalation in a Graphite Anode by a Localized High-Concentration Electrolyte in Fast-Charging Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3402-3406	16.4	73

54	Review on Li Deposition in Working Batteries: From Nucleation to Early Growth. <i>Advanced Materials</i> , 2021 , 33, e2004128	24	70
53	Lithium-Anode Protection in Lithium-Sulfur Batteries. <i>Trends in Chemistry</i> , 2019 , 1, 693-704	14.8	65
52	A review on the failure and regulation of solid electrolyte interphase in lithium batteries. <i>Journal of Energy Chemistry</i> , 2021 , 59, 306-319	12	59
51	Identifying the Critical Anion-Cation Coordination to Regulate the Electric Double Layer for an Efficient Lithium-Metal Anode Interface. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4215-4220	16.4	58
50	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	24	53
49	Non-Solvating and Low-Dielectricity Cosolvent for Anion-Derived Solid Electrolyte Interphases in Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11442-11447	16.4	52
48	A bifunctional ethylene-vinyl acetate copolymer protective layer for dendrites-free lithium metal anodes. <i>Journal of Energy Chemistry</i> , 2020 , 48, 203-207	12	51
47	Rapid Lithium Diffusion in Order@Disorder Pathways for Fast-Charging Graphite Anodes. <i>Small Structures</i> , 2020 , 1, 2000010	8.7	51
46	In situ regulated solid electrolyte interphase via reactive separators for highly efficient lithium metal batteries. <i>Energy Storage Materials</i> , 2020 , 30, 27-33	19.4	46
45	Waterproof lithium metal anode enabled by cross-linking encapsulation. <i>Science Bulletin</i> , 2020 , 65, 909-9166	16.6	41
44	Interface enhanced well-dispersed Co ₉ S ₈ nanocrystals as an efficient polysulfide host in lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2020 , 48, 109-115	12	41
43	A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions. <i>Angewandte Chemie</i> , 2020 , 132, 3278-3283	3.6	40
42	Advanced Electrode Materials in Lithium Batteries: Retrospect and Prospect. <i>Energy Material Advances</i> , 2021 , 2021, 1-15	1	40
41	The reduction of interfacial transfer barrier of Li ions enabled by inorganics-rich solid-electrolyte interphase. <i>Energy Storage Materials</i> , 2020 , 28, 401-406	19.4	38
40	Emerging interfacial chemistry of graphite anodes in lithium-ion batteries. <i>Chemical Communications</i> , 2020 , 56, 14570-14584	5.8	35
39	Regulating Interfacial Chemistry in Lithium-Ion Batteries by a Weakly Solvating Electrolyte**. <i>Angewandte Chemie</i> , 2021 , 133, 4136-4143	3.6	35
38	Hard Carbon Anodes for Next-Generation Li-Ion Batteries: Review and Perspective. <i>Advanced Energy Materials</i> , 2021 , 11, 2101650	21.8	35
37	New insights into dead lithium during stripping in lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2021 , 62, 289-294	12	33

36	Integrated lithium metal anode protected by composite solid electrolyte film enables stable quasi-solid-state lithium metal batteries. <i>Chinese Chemical Letters</i> , 2020 , 31, 2339-2342	8.1	29
35	The influence of formation temperature on the solid electrolyte interphase of graphite in lithium ion batteries. <i>Journal of Energy Chemistry</i> , 2020 , 49, 335-338	12	29
34	The Boundary of Lithium Plating in Graphite Electrode for Safe Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13007-13012	16.4	29
33	Nucleation and Growth Mechanism of Anion-Derived Solid Electrolyte Interphase in Rechargeable Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8521-8525	16.4	28
32	A Diffusion--Reaction Competition Mechanism to Tailor Lithium Deposition for Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 7817-7821	3.6	25
31	4.5 V High-Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15235-15238	16.4	24
30	Selective Permeable Lithium-Ion Channels on Lithium Metal for Practical Lithium-Sulfur Pouch Cells. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18031-18036	16.4	21
29	Inhibiting Solvent Co-Intercalation in a Graphite Anode by a Localized High-Concentration Electrolyte in Fast-Charging Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 3444-3448	3.6	21
28	Preparation of polystyrene/montmorillonite nanocomposites in supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 22-28	2.9	18
27	Competitive Solid-Electrolyte Interphase Formation on Working Lithium Anodes. <i>Trends in Chemistry</i> , 2021 , 3, 5-14	14.8	17
26	Designing and Demystifying the Lithium Metal Interface toward Highly Reversible Batteries. <i>Advanced Materials</i> , 2021 , e2105962	24	16
25	Lithium Metal Anodes: Artificial SoftRigid Protective Layer for Dendrite-Free Lithium Metal Anode (Adv. Funct. Mater. 8/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870049	15.6	12
24	Identifying the Critical AnionCation Coordination to Regulate the Electric Double Layer for an Efficient Lithium-Metal Anode Interface. <i>Angewandte Chemie</i> , 2021 , 133, 4261-4266	3.6	10
23	Review on nanomaterials for next-generation batteries with lithium metal anodes. <i>Nano Select</i> , 2020 , 1, 94-110	3.1	9
22	Non-Solvating and Low-Dielectricity Cosolvent for Anion-Derived Solid Electrolyte Interphases in Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 11543-11548	3.6	9
21	Lithium Metal Anodes: Dual-Layered Film Protected Lithium Metal Anode to Enable Dendrite-Free Lithium Deposition (Adv. Mater. 25/2018). <i>Advanced Materials</i> , 2018 , 30, 1870181	24	8
20	A Toolbox of Reference Electrodes for Lithium Batteries. <i>Advanced Functional Materials</i> , 2022 , 32, 21084496	4.96	7
19	Nucleation and Growth Mechanism of Anion-Derived Solid Electrolyte Interphase in Rechargeable Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 8602-8606	3.6	6

18	Cellulose nanofiber separator for suppressing shuttle effect and Li dendrite formation in lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2021 , 67, 736-736	12	5
17	Selective Permeable Lithium-Ion Channels on Lithium Metal for Practical Lithium-Sulfur Pouch Cells. <i>Angewandte Chemie</i> , 2021 , 133, 18179-18184	3.6	4
16	Role of Lithiophilic Metal Sites in Lithium Metal Anodes. <i>Energy & Fuels</i> , 2021 , 35, 12746-12752	4.1	4
15	4.5 V High-Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode. <i>Angewandte Chemie</i> , 2019 , 131, 15379-15382	3.6	3
14	Unblocked Electron Channels Enable Efficient Contact Prelithiation for Lithium-Ion Batteries.. <i>Advanced Materials</i> , 2022 , e2110337	24	3
13	Preparation of Hierarchical Porous Carbon/Sulfur Composite Based on Lotus-leaves and Its Property for Li-S Batteries. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2016 , 31, 135	1	3
12	A perspective on energy chemistry of low-temperature lithium metal batteries 2022 , 1, 72-81		3
11	Innentitelbild: Lithiophilic Sites in Doped Graphene Guide Uniform Lithium Nucleation for Dendrite-Free Lithium Metal Anodes (Angew. Chem. 27/2017). <i>Angewandte Chemie</i> , 2017 , 129, 7790-7790 ^{3,6}		2
10	A generalizable, data-driven online approach to forecast capacity degradation trajectory of lithium batteries. <i>Journal of Energy Chemistry</i> , 2022 , 68, 548-555	12	2
9	Research Progress of Solid Electrolyte Interphase in Lithium Batteries. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2020 , 2010076-0	3.8	2
8	The Boundary of Lithium Plating in Graphite Electrode for Safe Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 13117-13122	3.6	2
7	Lithium-Metal Anodes: Dual-Phase Single-Ion Pathway Interfaces for Robust Lithium Metal in Working Batteries (Adv. Mater. 19/2019). <i>Advanced Materials</i> , 2019 , 31, 1970135	24	1
6	Designing and Demystifying the Lithium Metal Interface toward Highly Reversible Batteries (Adv. Mater. 52/2021). <i>Advanced Materials</i> , 2021 , 33, 2170413	24	1
5	Frontispiz: Regulating Interfacial Chemistry in Lithium-Ion Batteries by a Weakly Solvating Electrolyte. <i>Angewandte Chemie</i> , 2021 , 133,	3.6	1
4	Innenrücktitelbild: A Sustainable Solid Electrolyte Interphase for High-Energy-Density Lithium Metal Batteries Under Practical Conditions (Angew. Chem. 8/2020). <i>Angewandte Chemie</i> , 2020 , 132, 3363-3363 ^{3,6}		
3	Innentitelbild: 4.5 V High-Voltage Rechargeable Batteries Enabled by the Reduction of Polarization on the Lithium Metal Anode (Angew. Chem. 43/2019). <i>Angewandte Chemie</i> , 2019 , 131, 15306-15306	3.6	
2	Rücktitelbild: Identifying the Critical Anion Adsorption Coordination to Regulate the Electric Double Layer for an Efficient Lithium-Metal Anode Interface (Angew. Chem. 8/2021). <i>Angewandte Chemie</i> , 2021 , 133, 4428-4428	3.6	
1	Rücktitelbild: Lithium Nitrate Solvation Chemistry in Carbonate Electrolyte Sustains High-Voltage Lithium Metal Batteries (Angew. Chem. 43/2018). <i>Angewandte Chemie</i> , 2018 , 130, 14488-14488	3.6	

