Hong-Jie Peng

List of Publications by Year
in descending order

145 papers	25,463 citations	8755 75 h-index	7518 151 g-index
163 all docs	163 docs citations	163 times ranked	13997 citing authors

#	Article	IF	Citations
1	Review on Highâ€Loading and Highâ€Energy Lithiumâ€"Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1700260.	19.5	1,307
2	Powering Lithiumâ€"Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. Nano Letters, 2016, 16, 519-527.	9.1	1,294
3	Dendriteâ€Free Lithium Deposition Induced by Uniformly Distributed Lithium Ions for Efficient Lithium Metal Batteries. Advanced Materials, 2016, 28, 2888-2895.	21.0	877
4	Permselective Graphene Oxide Membrane for Highly Stable and Anti-Self-Discharge Lithiumâ€"Sulfur Batteries. ACS Nano, 2015, 9, 3002-3011.	14.6	723
5	An anion-immobilized composite electrolyte for dendrite-free lithium metal anodes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11069-11074.	7.1	710
6	Design Principles for Heteroatom-Doped Nanocarbon to Achieve Strong Anchoring of Polysulfides for Lithium-Sulfur Batteries. Small, 2016, 12, 3283-3291.	10.0	661
7	Ionic shield for polysulfides towards highly-stable lithiumâ€"sulfur batteries. Energy and Environmental Science, 2014, 7, 347-353.	30.8	624
8	Unstacked double-layer templated graphene for high-rate lithiumâ€"sulphur batteries. Nature Communications, 2014, 5, 3410.	12.8	602
9	Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. Advanced Materials, 2016, 28, 2155-2162.	21.0	591
10	A review of flexible lithiumâ€"sulfur and analogous alkali metalâ€"chalcogen rechargeable batteries. Chemical Society Reviews, 2017, 46, 5237-5288.	38.1	572
11	Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2016, 55, 12990-12995.	13.8	560
12	Nitrogenâ€Doped Aligned Carbon Nanotube/Graphene Sandwiches: Facile Catalytic Growth on Bifunctional Natural Catalysts and Their Applications as Scaffolds for Highâ€Rate Lithiumâ€Sulfur Batteries. Advanced Materials, 2014, 26, 6100-6105.	21.0	534
13	Understanding trends in electrochemical carbon dioxide reduction rates. Nature Communications, 2017, 8, 15438.	12.8	527
14	A Cooperative Interface for Highly Efficient Lithiumâ€"Sulfur Batteries. Advanced Materials, 2016, 28, 9551-9558.	21.0	514
15	Conductive and Catalytic Tripleâ€Phase Interfaces Enabling Uniform Nucleation in Highâ€Rate Lithiumâ€"Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1802768.	19.5	508
16	Nanoarchitectured Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2014, 24, 2772-2781.	14.9	495
17	Hierarchical Freeâ€Standing Carbonâ€Nanotube Paper Electrodes with Ultrahigh Sulfurâ€Loading for Lithiumâ€"Sulfur Batteries. Advanced Functional Materials, 2014, 24, 6105-6112.	14.9	476
18	Implantable Solid Electrolyte Interphase in Lithium-Metal Batteries. CheM, 2017, 2, 258-270.	11.7	474

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19	Artificial Softâ€"Rigid Protective Layer for Dendriteâ€Free Lithium Metal Anode. Advanced Functional Materials, 2018, 28, 1705838.	14.9	470
20	Lithium Bond Chemistry in Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2017, 56, 8178-8182.	13.8	439
21	Lithiumâ€"Sulfur Batteries under Lean Electrolyte Conditions: Challenges and Opportunities. Angewandte Chemie - International Edition, 2020, 59, 12636-12652.	13.8	425
22	pH effects on the electrochemical reduction of CO(2) towards C2 products on stepped copper. Nature Communications, 2019, 10, 32.	12.8	371
23	Aligned carbon nanotube/sulfur composite cathodes with high sulfur content for lithiumâ€"sulfur batteries. Nano Energy, 2014, 4, 65-72.	16.0	366
24	Strongly Coupled Interfaces between a Heterogeneous Carbon Host and a Sulfurâ€Containing Guest for Highly Stable Lithiumâ€Sulfur Batteries: Mechanistic Insight into Capacity Degradation. Advanced Materials Interfaces, 2014, 1, 1400227.	3.7	351
25	A Review of Functional Binders in Lithiumâ€"Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1802107.	19.5	324
26	Rational Integration of Polypropylene/Graphene Oxide/Nafion as Ternaryâ€Layered Separator to Retard the Shuttle of Polysulfides for Lithiumâ€"Sulfur Batteries. Small, 2016, 12, 381-389.	10.0	315
27	Implanting Atomic Cobalt within Mesoporous Carbon toward Highly Stable Lithiumâ€"Sulfur Batteries. Advanced Materials, 2019, 31, e1903813.	21.0	310
28	Dual-Phase Lithium Metal Anode Containing a Polysulfide-Induced Solid Electrolyte Interphase and Nanostructured Graphene Framework for Lithiumâ€"Sulfur Batteries. ACS Nano, 2015, 9, 6373-6382.	14.6	297
29	Activating Inert Metallic Compounds for Highâ€Rate Lithiumâ€"Sulfur Batteries Through In Situ Etching of Extrinsic Metal. Angewandte Chemie - International Edition, 2019, 58, 3779-3783.	13.8	296
30	Janus Separator of Polypropyleneâ€Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithiumâ€"Sulfur Batteries. Advanced Science, 2016, 3, 1500268.	11.2	294
31	A Bifunctional Perovskite Promoter for Polysulfide Regulation toward Stable Lithiumâ€"Sulfur Batteries. Advanced Materials, 2018, 30, 1705219.	21.0	276
32	An Analogous Periodic Law for Strong Anchoring of Polysulfides on Polar Hosts in Lithium Sulfur Batteries: S- or Li-Binding on First-Row Transition-Metal Sulfides?. ACS Energy Letters, 2017, 2, 795-801.	17.4	264
33	Expediting redox kinetics of sulfur species by atomicâ€scale electrocatalysts in lithiumâ€"sulfur batteries. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 533-541.	17.3	261
34	Heterogeneous/Homogeneous Mediators for Highâ€Energyâ€Density Lithiumâ€"Sulfur Batteries: Progress and Prospects. Advanced Functional Materials, 2018, 28, 1707536.	14.9	251
35	Li 2 S 5 -based ternary-salt electrolyte for robust lithium metal anode. Energy Storage Materials, 2016, 3, 77-84.	18.0	236
36	A Toolbox for Lithiumâ€"Sulfur Battery Research: Methods and Protocols. Small Methods, 2017, 1, 1700134.	8.6	230

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37	Designing Host Materials for Sulfur Cathodes: From Physical Confinement to Surface Chemistry. Angewandte Chemie - International Edition, 2015, 54, 11018-11020.	13.8	222
38	3D Carbonaceous Current Collectors: The Origin of Enhanced Cycling Stability for Highâ€Sulfurâ€Loading Lithiumâ€"Sulfur Batteries. Advanced Functional Materials, 2016, 26, 6351-6358.	14.9	216
39	Sulfurized solid electrolyte interphases with a rapid Li+ diffusion on dendrite-free Li metal anodes. Energy Storage Materials, 2018, 10, 199-205.	18.0	215
40	Porphyrinâ€Derived Grapheneâ€Based Nanosheets Enabling Strong Polysulfide Chemisorption and Rapid Kinetics in Lithiumâ€"Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1800849.	19.5	211
41	A perspective on sustainable energy materials for lithium batteries. SusMat, 2021, 1, 38-50.	14.9	208
42	Ionâ€"Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode. Angewandte Chemie - International Edition, 2018, 57, 734-737.	13.8	208
43	Columnar Lithium Metal Anodes. Angewandte Chemie - International Edition, 2017, 56, 14207-14211.	13.8	199
44	Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. Journal of the American Chemical Society, 2017, 139, 8458-8466.	13.7	198
45	Advanced energy materials for flexible batteries in energy storage: A review. SmartMat, 2020, 1, .	10.7	186
46	Scaled-up fabrication of porous-graphene-modified separators for high-capacity lithiumâ€"sulfur batteries. Energy Storage Materials, 2017, 7, 56-63.	18.0	172
47	Towards stable lithium-sulfur batteries: Mechanistic insights into electrolyte decomposition on lithium metal anode. Energy Storage Materials, 2017, 8, 194-201.	18.0	171
48	The Radical Pathway Based on a Lithiumâ€Metalâ€Compatible Highâ€Dielectric Electrolyte for Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2018, 57, 16732-16736.	13.8	170
49	Interconnected carbon nanotube/graphene nanosphere scaffolds as free-standing paper electrode for high-rate and ultra-stable lithiumâ€"sulfur batteries. Nano Energy, 2015, 11, 746-755.	16.0	168
50	Catalytic Self-Limited Assembly at Hard Templates: A Mesoscale Approach to Graphene Nanoshells for Lithiumâ€"Sulfur Batteries. ACS Nano, 2014, 8, 11280-11289.	14.6	166
51	Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion. Angewandte Chemie - International Edition, 2020, 59, 9011-9017.	13.8	164
52	Dendriteâ€Free Nanostructured Anode: Entrapment of Lithium in a 3D Fibrous Matrix for Ultraâ€Stable Lithiumâ€"Sulfur Batteries. Small, 2014, 10, 4257-4263.	10.0	154
53	Porphyrin Organic Framework Hollow Spheres and Their Applications in Lithiumâ€"Sulfur Batteries. Advanced Materials, 2018, 30, e1707483.	21.0	145
54	Porous carbon derived from rice husks as sustainable bioresources: insights into the role of micro-/mesoporous hierarchy in hosting active species for lithiumâ€"sulphur batteries. Green Chemistry, 2016, 18, 5169-5179.	9.0	140

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55	Polysulfide Electrocatalysis on Framework Porphyrin in High-Capacity and High-Stable Lithiumâ€"Sulfur Batteries. CCS Chemistry, 0, , 128-137.	7.8	131
56	Sandwichâ€like Catalystâ€"Carbonâ€"Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2020, 59, 12129-12138.	13.8	130
57	Sulfur Redox Reactions at Working Interfaces in Lithiumâ€"Sulfur Batteries: A Perspective. Advanced Materials Interfaces, 2019, 6, 1802046.	3.7	128
58	A Quinonoidâ€Imineâ€Enriched Nanostructured Polymer Mediator for Lithiumâ€"Sulfur Batteries. Advanced Materials, 2017, 29, 1606802.	21.0	127
59	Polysulfide shuttle control: Towards a lithium-sulfur battery with superior capacity performance up to 1000 cycles by matching the sulfur/electrolyte loading. Journal of Power Sources, 2014, 253, 263-268.	7.8	124
60	3D Mesoporous Graphene: CVD Self-Assembly on Porous Oxide Templates and Applications in High-Stable Li-S Batteries. Small, 2015, 11, 5243-5252.	10.0	120
61	Ion-Solvent Chemistry-Inspired Cation-Additive Strategy to Stabilize Electrolytes for Sodium-Metal Batteries. CheM, 2020, 6, 2242-2256.	11.7	116
62	Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2016, 128, 13184-13189.	2.0	115
63	New insights into â€œdead lithiumâ€• during stripping in lithium metal batteries. Journal of Energy Chemistry, 2021, 62, 289-294.	12.9	115
64	Hierarchical Vineâ€Treeâ€Like Carbon Nanotube Architectures: Inâ€Situ CVD Selfâ€Assembly and Their Use as Robust Scaffolds for Lithiumâ€Sulfur Batteries. Advanced Materials, 2014, 26, 7051-7058.	21.0	104
65	Current-density dependence of Li₂S/Li₂S₂ growth in lithiumâ€"sulfur batteries. Energy and Environmental Science, 2019, 12, 2976-2982.	30.8	102
66	Hydrothermal synthesis of porous phosphorus-doped carbon nanotubes and their use in the oxygen reduction reaction and lithium-sulfur batteries. New Carbon Materials, 2016, 31, 352-362.	6.1	100
67	Dictating Highâ€Capacity Lithiumâ€"Sulfur Batteries through Redoxâ€Mediated Lithium Sulfide Growth. Small Methods, 2020, 4, 1900344.	8.6	99
68	The formation of strong-couple interactions between nitrogen-doped graphene and sulfur/lithium (poly)sulfides in lithium-sulfur batteries. 2D Materials, 2015, 2, 014011.	4.4	94
69	Review of nanostructured current collectors in lithiumâ€"sulfur batteries. Nano Research, 2017, 10, 4027-4054.	10.4	91
70	Three-dimensional aluminum foam/carbon nanotube scaffolds as long- and short-range electron pathways with improved sulfur loading for high energy density lithiumâ€"sulfur batteries. Journal of Power Sources, 2014, 261, 264-270.	7.8	86
71	Beaver-dam-like membrane: A robust and sulphifilic MgBO2(OH)/CNT/PP nest separator in Li-S batteries. Energy Storage Materials, 2017, 8, 153-160.	18.0	86
72	Lithium Bond Chemistry in Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2017, 129, 8290-8294.	2.0	85

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73	A Supramolecular Capsule for Reversible Polysulfide Storage/Delivery in Lithiumâ€Sulfur Batteries. Angewandte Chemie - International Edition, 2017, 56, 16223-16227.	13.8	85
74	Cathode materials based on carbon nanotubes for high-energy-density lithiumâ€“sulfur batteries. Carbon, 2014, 75, 161-168.	10.3	84
75	Flexible all-carbon interlinked nanoarchitectures as cathode scaffolds for high-rate lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 10869-10875.	10.3	83
76	From electricity to fuels: Descriptors for C1 selectivity in electrochemical CO2 reduction. Applied Catalysis B: Environmental, 2020, 279, 119384.	20.2	81
77	Template growth of porous graphene microspheres on layered double oxide catalysts and their applications in lithiumâ€“sulfur batteries. Carbon, 2015, 92, 96-105.	10.3	77
78	A Selfâ€Limited Freeâ€Standing Sulfide Electrolyte Thin Film for Allâ€Solidâ€State Lithium Metal Batteries. Advanced Functional Materials, 2021, 31, 2101985.	14.9	77
79	Sodiophilicity/potassiophilicity chemistry in sodium/potassium metal anodes. Journal of Energy Chemistry, 2020, 51, 1-6.	12.9	69
80	A bifunctional ethylene-vinyl acetate copolymer protective layer for dendrites-free lithium metal anodes. Journal of Energy Chemistry, 2020, 48, 203-207.	12.9	68
81	Fluorinating the Solid Electrolyte Interphase by Rational Molecular Design for Practical Lithiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	68
82	Towards Stable Lithiumâ€“Sulfur Batteries with a Low Selfâ€Discharge Rate: Ion Diffusion Modulation and Anode Protection. ChemSusChem, 2015, 8, 2892-2901.	6.8	66
83	Lithiumâ€Sulfur Batteries: Dendriteâ€Free Nanostructured Anode: Entrapment of Lithium in a 3D Fibrous Matrix for Ultraâ€Stable Lithiumâ€“Sulfur Batteries (Small 21/2014). Small, 2014, 10, 4222-4222.	10.0	62
84	The role of atomic carbon in directing electrochemical CO₍₂₎ reduction to multicarbon products. Energy and Environmental Science, 2021, 14, 473-482.	30.8	62
85	From Supramolecular Species to Selfâ€Templated Porous Carbon and Metalâ€Doped Carbon for Oxygen Reduction Reaction Catalysts. Angewandte Chemie - International Edition, 2019, 58, 4963-4967.	13.8	59
86	Hierarchical Carbon Nanotube/Carbon Black Scaffolds as Short- and Long-Range Electron Pathways with Superior Li-Ion Storage Performance. ACS Sustainable Chemistry and Engineering, 2014, 2, 200-206.	6.7	58
87	The formation of crystalline lithium sulfide on electrocatalytic surfaces in lithiumâ€“sulfur batteries. Journal of Energy Chemistry, 2022, 64, 568-573.	12.9	56
88	Trends in oxygenate/hydrocarbon selectivity for electrochemical CO(2) reduction to C2 products. Nature Communications, 2022, 13, 1399.	12.8	56
89	Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2020, 59, 22150-22155.	13.8	55
90	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semiâ€Immobilized Redox Mediators in Working Batteries. Angewandte Chemie - International Edition, 2020, 59, 17670-17675.	13.8	54

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91	Selective Permeable Lithiumâ€Ion Channels on Lithium Metal for Practical Lithiumâ€“Sulfur Pouch Cells. Angewandte Chemie - International Edition, 2021, 60, 18031-18036.	13.8	52
92	Columnar Lithium Metal Anodes. Angewandte Chemie, 2017, 129, 14395-14399.	2.0	51
93	Iron (Fe, Ni, Co)-based transition metal compounds for lithium-sulfur batteries: Mechanism, progress and prospects. Journal of Energy Chemistry, 2022, 73, 513-532.	12.9	50
94	Metal/nanocarbon layer current collectors enhanced energy efficiency in lithium-sulfur batteries. Science Bulletin, 2017, 62, 1267-1274.	9.0	49
95	Nitrogen-doped herringbone carbon nanofibers with large lattice spacings and abundant edges: Catalytic growth and their applications in lithium ion batteries and oxygen reduction reactions. Catalysis Today, 2015, 249, 244-251.	4.4	48
96	Graphene-based Fe-coordinated framework porphyrin as an interlayer for lithiumâ€“sulfur batteries. Materials Chemistry Frontiers, 2019, 3, 615-619.	5.9	47
97	A generalizable, data-driven online approach to forecast capacity degradation trajectory of lithium batteries. Journal of Energy Chemistry, 2022, 68, 548-555.	12.9	46
98	Lithiumâ€Sulfur Batteries: Review on Highâ€Loading and Highâ€Energy Lithiumâ€“Sulfur Batteries (Adv. Energy) Tj ETQq0 0 0 rgBT /Ove	19.5	44
99	Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion. Angewandte Chemie, 2020, 132, 9096-9102.	2.0	42
100	Bimetallic effects on Zn-Cu electrocatalysts enhance activity and selectivity for the conversion of CO2 to CO. Chem Catalysis, 2021, 1, 663-680.	6.1	42
101	Activating Inert Metallic Compounds for Highâ€Rate Lithiumâ€“Sulfur Batteries Through In Situ Etching of Extrinsic Metal. Angewandte Chemie, 2019, 131, 3819-3823.	2.0	41
102	Hierarchical nanostructured composite cathode with carbon nanotubes as conductive scaffold for lithium-sulfur batteries. Journal of Energy Chemistry, 2013, 22, 341-346.	12.9	40
103	Carbon materials for traffic power battery. ETransportation, 2019, 2, 100033.	14.8	37
104	The Radical Pathway Based on a Lithiumâ€Metalâ€Compatible Highâ€Dielectric Electrolyte for Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2018, 130, 16974-16978.	2.0	36
105	Ionâ€“Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode. Angewandte Chemie, 2018, 130, 742-745.	2.0	35
106	Lithiumâ€Schwefelâ€Batterien mit Magerelektrolyt: Herausforderungen und Perspektiven. Angewandte Chemie, 2020, 132, 12736-12753.	2.0	33
107	Nonuniform Redistribution of Sulfur and Lithium upon Cycling: Probing the Origin of Capacity Fading in Lithiumâ€“Sulfur Pouch Cells. Energy Technology, 2019, 7, 1900111.	3.8	32
108	A perspective on the electrocatalytic conversion of carbon dioxide to methanol with metallomacrocyclic catalysts. Journal of Energy Chemistry, 2022, 64, 263-275.	12.9	28

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109	A two-dimension laminar composite protective layer for dendrite-free lithium metal anode. Journal of Energy Chemistry, 2021, 56, 391-394.	12.9	26
110	Solventâ€Engineered Scalable Production of Polysulfideâ€Blocking Shields to Enhance Practical Lithiumâ€“Sulfur Batteries. Small Methods, 2018, 2, 1800100.	8.6	23
111	Oxygen Coordination on Feâ€“Nâ€“C to Boost Oxygen Reduction Catalysis. Journal of Physical Chemistry Letters, 2021, 12, 517-524.	4.6	20
112	Machine Learning-Assisted Screening of Stepped Alloy Surfaces for C₁ Catalysis. ACS Catalysis, 2022, 12, 4252-4260.	11.2	20
113	N-Methyl-2-pyrrolidone-assisted solvothermal synthesis of nanosize orthorhombic lithium iron phosphate with improved Li-storage performance. Journal of Materials Chemistry, 2012, 22, 18908.	6.7	19
114	A Supramolecular Capsule for Reversible Polysulfide Storage/Delivery in Lithiumâ€Sulfur Batteries. Angewandte Chemie, 2017, 129, 16441-16445.	2.0	19
115	Scalable Construction of Hollow Multishell Co₃O₄ with Mitigated Interface Reconstruction for Efficient Lithium Storage. Advanced Materials Interfaces, 2020, 7, 2000667.	3.7	19
116	Exploring Trends on Coupling Mechanisms toward C₃ Product Formation in CO₍₂₎R. Journal of Physical Chemistry C, 2021, 125, 26437-26447.	3.1	18
117	A Supramolecular Electrolyte for Lithiumâ€Metal Batteries. Batteries and Supercaps, 2020, 3, 47-51.	4.7	17
118	Controllable bulk growth of few-layer graphene/single-walled carbon nanotube hybrids containing Fe@C nanoparticles in a fluidized bed reactor. Carbon, 2014, 67, 554-563.	10.3	16
119	Guiding the Catalytic Properties of Copper for Electrochemical CO₂ Reduction by Metal Atom Decoration. ACS Applied Materials & Interfaces, 2021, 13, 52044-52054.	8.0	16
120	Review on nanomaterials for nextâ€generation batteries with lithium metal anodes. Nano Select, 2020, 1, 94-110.	3.7	14
121	Lithium Metal Anodes: Artificial Softâ€“Rigid Protective Layer for Dendriteâ€Free Lithium Metal Anode (Adv. Funct. Mater. 8/2018). Advanced Functional Materials, 2018, 28, 1870049.	14.9	12
122	Dynamics and Hysteresis of Hydrogen Intercalation and Deintercalation in Palladium Electrodes: A Multimodal <i>In Situ</i> X-ray Diffraction, Coulometry, and Computational Study. Chemistry of Materials, 2021, 33, 5872-5884.	6.7	11
123	Fluorinating the Solid Electrolyte Interphase by Rational Molecular Design for Practical Lithiumâ€Metal Batteries. Angewandte Chemie, 2022, 134, .	2.0	10
124	Electrodes: Hierarchical Freeâ€Standing Carbonâ€Nanotube Paper Electrodes with Ultrahigh Sulfurâ€Loading for Lithiumâ€“Sulfur Batteries (Adv. Funct. Mater. 39/2014). Advanced Functional Materials, 2014, 24, 6244-6244.	14.9	9
125	Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2020, 132, 22334-22339.	2.0	9
126	From Supramolecular Species to Selfâ€Templated Porous Carbon and Metalâ€Doped Carbon for Oxygen Reduction Reaction Catalysts. Angewandte Chemie, 2019, 131, 5017-5021.	2.0	7

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127	Selective Permeable Lithiumâ€Ion Channels on Lithium Metal for Practical Lithiumâ€“Sulfur Pouch Cells. Angewandte Chemie, 2021, 133, 18179-18184.	2.0	6
128	Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semiâ€Immobilized Redox Mediators in Working Batteries. Angewandte Chemie, 2020, 132, 17823-17828.	2.0	5
129	Carbon: Nanoarchitectured Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithium-Sulfur Batteries (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlo	14.9	4
130	Lithium-Sulfur Batteries: Nitrogen-Doped Aligned Carbon Nanotube/Graphene Sandwiches: Facile Catalytic Growth on Bifunctional Natural Catalysts and Their Applications as Scaffolds for High-Rate Lithium-Sulfur Batteries (Adv. Mater. 35/2014). Advanced Materials, 2014, 26, 6199-6199.	21.0	4
131	Porphyrin Organic Frameworks: Porphyrin Organic Framework Hollow Spheres and Their Applications in Lithium-Sulfur Batteries (Adv. Mater. 23/2018). Advanced Materials, 2018, 30, 1870160.	21.0	4
132	Lithium-Sulfur Batteries: Hierarchical Vine-Tree-Like Carbon Nanotube Architectures: In-Situ CVD Self-Assembly and Their Use as Robust Scaffolds for Lithium-Sulfur Batteries (Adv. Mater. 41/2014). Advanced Materials, 2014, 26, 6986-6986.	21.0	3
133	Lithiumâ€Sulfur Batteries: A Cooperative Interface for Highly Efficient Lithiumâ€“Sulfur Batteries (Adv.) Tj ETQq1 1 0.784314 rgBT /Ov	21.0	3
134	Sandwichâ€like Catalystâ€“Carbonâ€“Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2020, 132, 12227-12236.	2.0	3
135	Frontispiece: Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2016, 55, .	13.8	2
136	Catalysis research in rechargeable lithium-sulfur batteries. Chinese Science Bulletin, 2022, 67, 2906-2920.	0.7	2
137	Frontispiz: Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2016, 128, .	2.0	1
138	Lithium Anodes: Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth (Adv. Mater. 11/2016). Advanced Materials, 2016, 28, 2090-2090.	21.0	1
139	Innentitelbild: Activating Inert Metallic Compounds for Highâ€Rate Lithiumâ€“Sulfur Batteries Through In Situ Etching of Extrinsic Metal (Angew. Chem. 12/2019). Angewandte Chemie, 2019, 131, 3692-3692.	2.0	1
140	RÃ¼cktitelbild: Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion (Angew. Chem. 23/2020). Angewandte Chemie, 2020, 132, 9278-9278.	2.0	1
141	Batteries: Strongly Coupled Interfaces between a Heterogeneous Carbon Host and a Sulfurâ€Containing Guest for Highly Stable Lithiumâ€Sulfur Batteries: Mechanistic Insight into Capacity Degradation (Adv.) Tj ETQq1 1 0.784314 rgBT /Ov	0.7	0
142	RÃ¼cktitelbild: Columnar Lithium Metal Anodes (Angew. Chem. 45/2017). Angewandte Chemie, 2017, 129, 14508-14508.	2.0	0
143	InnenrÃ¼cktitelbild: A Supramolecular Capsule for Reversible Polysulfide Storage/Delivery in Lithiumâ€Sulfur Batteries (Angew. Chem. 51/2017). Angewandte Chemie, 2017, 129, 16635-16635.	2.0	0
144	Innentitelbild: Ionâ€“Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode (Angew. Chem. 3/2018). Angewandte Chemie, 2018, 130, 606-606.	2.0	0

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145	A Supramolecular Electrolyte for Lithiumâ€Metal Batteries. Batteries and Supercaps, 2020, 3, 5-5.	4.7	0