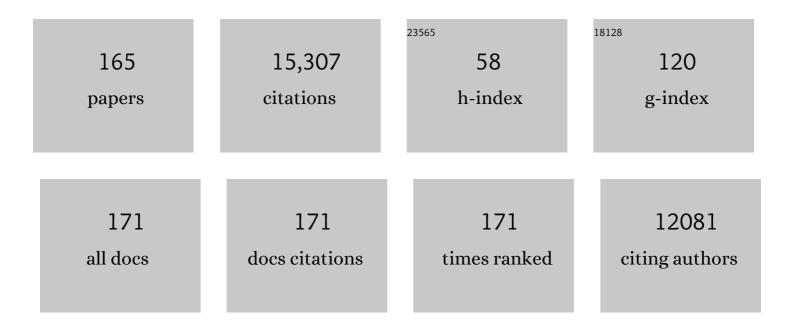
Zhangquan Peng

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Reversible and Higher-Rate Li-O ₂ Battery. Science, 2012, 337, 563-566.	12.6	1,750
2	Reactions in the Rechargeable Lithium–O ₂ Battery with Alkyl Carbonate Electrolytes. Journal of the American Chemical Society, 2011, 133, 8040-8047.	13.7	1,157
3	The Carbon Electrode in Nonaqueous Li–O ₂ Cells. Journal of the American Chemical Society, 2013, 135, 494-500.	13.7	1,145
4	Charging a Li–O2 battery using a redox mediator. Nature Chemistry, 2013, 5, 489-494.	13.6	795
5	A stable cathode for the aprotic Li–O2Âbattery. Nature Materials, 2013, 12, 1050-1056.	27.5	677
6	Oxygen Reactions in a Nonâ€Aqueous Li ⁺ Electrolyte. Angewandte Chemie - International Edition, 2011, 50, 6351-6355.	13.8	518
7	Nâ€Đoping and Defective Nanographitic Domain Coupled Hard Carbon Nanoshells for High Performance Lithium/Sodium Storage. Advanced Functional Materials, 2018, 28, 1706294.	14.9	392
8	Li–O ₂ Battery with a Dimethylformamide Electrolyte. Journal of the American Chemical Society, 2012, 134, 7952-7957.	13.7	348
9	Eutecticâ€Đerived Mesoporous Niâ€Feâ€O Nanowire Network Catalyzing Oxygen Evolution and Overall Water Splitting. Advanced Energy Materials, 2018, 8, 1701347.	19.5	281
10	Bismuthene for highly efficient carbon dioxide electroreduction reaction. Nature Communications, 2020, 11, 1088.	12.8	278
11	Three-Dimensional Ordered Macroporous Metal–Organic Framework Single Crystal-Derived Nitrogen-Doped Hierarchical Porous Carbon for High-Performance Potassium-Ion Batteries. Nano Letters, 2019, 19, 4965-4973.	9.1	246
12	Boosting Potassium-Ion Battery Performance by Encapsulating Red Phosphorus in Free-Standing Nitrogen-Doped Porous Hollow Carbon Nanofibers. Nano Letters, 2019, 19, 1351-1358.	9.1	239
13	Unlocking the Energy Capabilities of Lithium Metal Electrode with Solid-State Electrolytes. Joule, 2018, 2, 1674-1689.	24.0	212
14	Metal–Organic Framework-Induced Synthesis of Ultrasmall Encased NiFe Nanoparticles Coupling with Graphene as an Efficient Oxygen Electrode for a Rechargeable Zn–Air Battery. ACS Catalysis, 2016, 6, 6335-6342.	11.2	210
15	Heterostructures of 2D Molybdenum Dichalcogenide on 2D Nitrogenâ€Đoped Carbon: Superior Potassiumâ€ion Storage and Insight into Potassium Storage Mechanism. Advanced Materials, 2020, 32, e2000958.	21.0	192
16	Achilles' Heel of Lithium–Air Batteries: Lithium Carbonate. Angewandte Chemie - International Edition, 2018, 57, 3874-3886.	13.8	186
17	A Dealloying Synthetic Strategy for Nanoporous Bismuth–Antimony Anodes for Sodium Ion Batteries. ACS Nano, 2018, 12, 3568-3577.	14.6	167
18	Reversibility of Noble Metal-Catalyzed Aprotic Li-O ₂ Batteries. Nano Letters, 2015, 15, 8084-8090.	9.1	165

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#	Article	IF	CITATIONS
19	Verifying the Rechargeability of Li O ₂ Batteries on Working Cathodes of Ni Nanoparticles Highly Dispersed on Nâ€Doped Graphene. Advanced Science, 2018, 5, 1700567.	11.2	159
20	The 2021 battery technology roadmap. Journal Physics D: Applied Physics, 2021, 54, 183001.	2.8	158
21	An Aluminum–Sulfur Battery with a Fast Kinetic Response. Angewandte Chemie - International Edition, 2018, 57, 1898-1902.	13.8	154
22	Potential-Dependent Generation of O ₂ [–] and LiO ₂ and Their Critical Roles in O ₂ Reduction to Li ₂ O ₂ in Aprotic Li–O ₂ Batteries. Journal of Physical Chemistry C, 2016, 120, 3690-3698.	3.1	149
23	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithiumâ€O ₂ Batteries at the Stage of Sudden Death. Angewandte Chemie - International Edition, 2016, 55, 5201-5205.	13.8	147
24	A Highâ€Performance Li–O ₂ Battery with a Strongly Solvating Hexamethylphosphoramide Electrolyte and a LiPONâ€Protected Lithium Anode. Advanced Materials, 2017, 29, 1701568.	21.0	146
25	A versatile functionalized ionic liquid to boost the solution-mediated performances of lithium-oxygen batteries. Nature Communications, 2019, 10, 602.	12.8	138
26	Heteroatom-doped carbon materials and their composites as electrocatalysts for CO ₂ reduction. Journal of Materials Chemistry A, 2018, 6, 18782-18793.	10.3	136
27	Amorphous Li ₂ O ₂ : Chemical Synthesis and Electrochemical Properties. Angewandte Chemie - International Edition, 2016, 55, 10717-10721.	13.8	135
28	Progress and Perspective: MXene and MXeneâ€Based Nanomaterials for Highâ€Performance Energy Storage Devices. Advanced Electronic Materials, 2021, 7, 2000967.	5.1	122
29	Unraveling the Nature of Excellent Potassium Storage in Smallâ€Molecule Se@Peapodâ€Like Nâ€Doped Carbon Nanofibers. Advanced Materials, 2020, 32, e2003879.	21.0	104
30	Laser-Assisted Synthesis of Auâ^'Ag Alloy Nanoparticles in Solution. Journal of Physical Chemistry B, 2006, 110, 2549-2554.	2.6	101
31	Highâ€Capacity and Highâ€Rate Discharging of a Coenzyme Q ₁₀ â€Catalyzed Li–O ₂ Battery. Advanced Materials, 2018, 30, 1705571.	21.0	100
32	NiO nanorod array anchored Ni foam as a binder-free anode for high-rate lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 20022-20029.	10.3	90
33	Alloying boosting superior sodium storage performance in nanoporous tin-antimony alloy anode for sodium ion batteries. Nano Energy, 2018, 54, 349-359.	16.0	83
34	Hierarchical Porous Carbon Spheres for Highâ€Performance Na–O ₂ Batteries. Advanced Materials, 2017, 29, 1606816.	21.0	81
35	Enabling an intrinsically safe and highâ€energyâ€density 4.5 Vâ€class Liâ€ion battery with nonflammable electrolyte. InformaÄnÄ-MateriÄ¡ly, 2020, 2, 984-992.	17.3	81
36	Dual phase enhanced superior electrochemical performance of nanoporous bismuth-tin alloy anodes for magnesium-ion batteries. Energy Storage Materials, 2018, 14, 351-360.	18.0	80

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37	Direct Detection of the Superoxide Anion as a Stable Intermediate in the Electroreduction of Oxygen in a Nonâ€Aqueous Electrolyte Containing Phenol as a Proton Source. Angewandte Chemie - International Edition, 2015, 54, 8165-8168.	13.8	78
38	A self-supported, three-dimensional porous copper film as a current collector for advanced lithium metal batteries. Journal of Materials Chemistry A, 2019, 7, 1092-1098.	10.3	77
39	A Carbon―and Binderâ€Free Nanostructured Cathode for Highâ€Performance Nonaqueous Liâ€O ₂ Battery. Advanced Science, 2015, 2, 1500092.	11.2	76
40	The Salt Matters: Enhanced Reversibility of Li–O ₂ Batteries with a Li[(CF ₃ SO ₂)(<i>n</i> ₄ F ₉ SO ₂)N]â€Based Electrolyte. Advanced Materials, 2018, 30, 1704841.	21.0	76
41	Pd–PdO Interface as Active Site for HCOOH Selective Dehydrogenation at Ambient Condition. Journal of Physical Chemistry C, 2018, 122, 2081-2088.	3.1	75
42	Compactly Coupled Nitrogenâ€Doped Carbon Nanosheets/Molybdenum Phosphide Nanocrystal Hollow Nanospheres as Polysulfide Reservoirs for Highâ€Performance Lithium–Sulfur Chemistry. Small, 2019, 15, e1902491.	10.0	74
43	Micelle-Assisted One-Pot Synthesis of Water-Soluble Polyanilineâ^'Gold Composite Particles. Langmuir, 2006, 22, 10915-10918.	3.5	72
44	Co ₉ S ₈ @carbon porous nanocages derived from a metal–organic framework: a highly efficient bifunctional catalyst for aprotic Li–O ₂ batteries. Journal of Materials Chemistry A, 2018, 6, 8595-8603.	10.3	71
45	Nanoporous Iridium-Based Alloy Nanowires as Highly Efficient Electrocatalysts Toward Acidic Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2019, 11, 39728-39736.	8.0	71
46	LiO ₂ : Cryosynthesis and Chemical/Electrochemical Reactivities. Journal of Physical Chemistry Letters, 2017, 8, 2334-2338.	4.6	70
47	Advanced Lithium Metal–Carbon Nanotube Composite Anode for High-Performance Lithium–Oxygen Batteries. Nano Letters, 2019, 19, 6377-6384.	9.1	70
48	A mesoporous antimony-based nanocomposite for advanced sodium ion batteries. Energy Storage Materials, 2018, 13, 247-256.	18.0	68
49	Interstitial Hydrogen Atom Modulation to Boost Hydrogen Evolution in Pd-Based Alloy Nanoparticles. ACS Nano, 2019, 13, 12987-12995.	14.6	67
50	Orthorhombic Cobalt Ditelluride with Te Vacancy Defects Anchoring on Elastic MXene Enables Efficient Potassiumâ€lon Storage. Advanced Materials, 2021, 33, e2100272.	21.0	66
51	Unlocking the energy capabilities of micron-sized LiFePO4. Nature Communications, 2015, 6, 7898.	12.8	65
52	Tungsten diselenide nanoplates as advanced lithium/sodium ion electrode materials with different storage mechanisms. Nano Research, 2017, 10, 2584-2598.	10.4	65
53	Monodispersed Ru Nanoparticles Functionalized Graphene Nanosheets as Efficient Cathode Catalysts for O ₂ -Assisted Li–CO ₂ Battery. ACS Omega, 2017, 2, 9280-9286.	3.5	63
54	[001] preferentially-oriented 2D tungsten disulfide nanosheets as anode materials for superior lithium storage. Journal of Materials Chemistry A, 2015, 3, 17811-17819.	10.3	61

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#	Article	IF	CITATIONS
55	Probing Lithium Carbonate Formation in Trace-O ₂ -Assisted Aprotic Li-CO ₂ Batteries Using in Situ Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 322-328.	4.6	61
56	Decomposing lithium carbonate with a mobile catalyst. Nano Energy, 2017, 36, 390-397.	16.0	60
57	Sodium storage mechanisms of bismuth in sodium ion batteries: An operando X-ray diffraction study. Journal of Power Sources, 2018, 379, 1-9.	7.8	60
58	Unveiling the Complex Effects of H ₂ O on Discharge–Recharge Behaviors of Aprotic Lithium–O ₂ Batteries. Journal of Physical Chemistry Letters, 2018, 9, 3333-3339.	4.6	60
59	Understanding oxygen electrochemistry in aprotic Li O2 batteries. Green Energy and Environment, 2017, 2, 186-203.	8.7	59
60	A highly selective tin-copper bimetallic electrocatalyst for the electrochemical reduction of aqueous CO2 to formate. Applied Catalysis B: Environmental, 2019, 259, 118040.	20.2	59
61	Ternary mesoporous cobalt-iron-nickel oxide efficiently catalyzing oxygen/hydrogen evolution reactions and overall water splitting. Nano Research, 2019, 12, 2281-2287.	10.4	59
62	A Highâ€Performance Carbonateâ€Free Lithium Garnet Interface Enabled by a Trace Amount of Sodium. Advanced Materials, 2020, 32, e2000575.	21.0	58
63	Unraveling the catalytic activities of ruthenium nanocrystals in high performance aprotic Li–O2 batteries. Nano Energy, 2016, 28, 486-494.	16.0	56
64	Enhanced methanol electro-oxidation and oxygen reduction reaction performance of ultrafine nanoporous platinum–copper alloy: Experiment and density functional theory calculation. Journal of Power Sources, 2015, 279, 334-344.	7.8	55
65	Redox mediators for high-performance lithium–oxygen batteries. National Science Review, 2022, 9, nwac040.	9.5	54
66	Operando X-ray diffraction analysis of the degradation mechanisms of a spinel LiMn2O4 cathode in different voltage windows. Journal of Energy Chemistry, 2020, 44, 138-146.	12.9	53
67	Ruthenium nanocrystal decorated vertical graphene nanosheets@Ni foam as highly efficient cathode catalysts for lithium-oxygen batteries. NPC Asia Materials, 2016, 8, e286-e286.	7.9	52
68	Composition- and size-modulated porous bismuth–tin biphase alloys as anodes for advanced magnesium ion batteries. Nanoscale, 2019, 11, 15279-15288.	5.6	49
69	Thermoresponsive polymer-stabilized silver nanoparticles. Journal of Colloid and Interface Science, 2008, 319, 175-181.	9.4	48
70	An Aluminum–Sulfur Battery with a Fast Kinetic Response. Angewandte Chemie, 2018, 130, 1916-1920.	2.0	43
71	Rechargeable Aluminium–Sulfur Battery with Improved Electrochemical Performance by Cobaltâ€Containing Electrocatalyst. Angewandte Chemie - International Edition, 2020, 59, 22963-22967.	13.8	43
72	A New Defectâ€Rich CoGa Layered Double Hydroxide as Efficient and Stable Oxygen Evolution Electrocatalyst. Small Methods, 2019, 3, 1800286.	8.6	41

#	Article	IF	CITATIONS
73	Covalent Sidewall Functionalization of Carbon Nanotubes by a "Formationâ^'Degradation―Approach. Chemistry of Materials, 2008, 20, 6068-6075.	6.7	39
74	Formation of a Supported Hybrid Bilayer Membrane on Gold:Â A Sterically Enhanced Hydrophobic Effect. Langmuir, 2002, 18, 4834-4839.	3.5	38
75	Influence of Intense Pulsed Laser Irradiation on Optical and Morphological Properties of Gold Nanoparticle Aggregates Produced by Surface Acidâ^Base Reactions. Langmuir, 2005, 21, 4249-4253.	3.5	38
76	Photofragmentation of Phase-Transferred Gold Nanoparticles by Intense Pulsed Laser Light. Journal of Physical Chemistry B, 2005, 109, 15735-15740.	2.6	38
77	Hierarchically nanoporous nickel-based actuators with giant reversible strain and ultrahigh work density. Journal of Materials Chemistry C, 2016, 4, 45-52.	5.5	38
78	Disproportionation of Sodium Superoxide in Metal–Air Batteries. Angewandte Chemie - International Edition, 2018, 57, 9906-9910.	13.8	38
79	Tailoring P2/P3 Biphases of Layered Na <i>_x</i> MnO ₂ by Co Substitution for Highâ€Performance Sodiumâ€ion Battery. Small, 2021, 17, e2007103.	10.0	38
80	Amorphous Li ₂ O ₂ : Chemical Synthesis and Electrochemical Properties. Angewandte Chemie, 2016, 128, 10875-10879.	2.0	37
81	Tackling Grand Challenges of the 21st Century with Electroanalytical Chemistry. Journal of the American Chemical Society, 2018, 140, 10629-10638.	13.7	37
82	Incorporation of surface-derivatized gold nanoparticles into electrochemically generated polymer films. Electrochemistry Communications, 2002, 4, 210-213.	4.7	36
83	Strongly coupled Te-SnS2/MXene superstructure with self-autoadjustable function for fast and stable potassium ion storage. Journal of Energy Chemistry, 2021, 61, 416-424.	12.9	36
84	Scalable Fabrication of Core–Shell Sb@Co(OH)2 Nanosheet Anodes for Advanced Sodium-Ion Batteries via Magnetron Sputtering. ACS Nano, 2018, 12, 11678-11688.	14.6	35
85	Intermetallic interphases in lithium metal and lithium ion batteries. InformaÄnÃ-Materiály, 2021, 3, 1083-1109.	17.3	35
86	Core‧hell Structured NiCo ₂ O ₄ @FeOOH Nanowire Arrays as Bifunctional Electrocatalysts for Efficient Overall Water Splitting. ChemCatChem, 2018, 10, 4119-4125.	3.7	34
87	Promoting Solution Discharge of Li–O ₂ Batteries with Immobilized Redox Mediators. Journal of Physical Chemistry Letters, 2018, 9, 5915-5920.	4.6	33
88	(CH3)3Si-N[(FSO2)(n-C4F9SO2)]: An additive for dendrite-free lithium metal anode. Journal of Power Sources, 2018, 400, 225-231.	7.8	33
89	Deciphering CO ₂ Reduction Reaction Mechanism in Aprotic Li–CO ₂ Batteries using <i>In Situ</i> Vibrational Spectroscopy Coupled with Theoretical Calculations. ACS Energy Letters, 2022, 7, 624-631.	17.4	33
90	Oriented polyoxometalate–polycation multilayers on a carbon substrate. Journal of Materials Chemistry, 2000, 10, 2727-2733.	6.7	32

#	Article	IF	CITATIONS
91	â€~Painting' nanostructured metals—playing with liquid metal. Nanoscale Horizons, 2018, 3, 408-416.	8.0	32
92	Identifying the anionic redox activity in cation-disordered Li _{1.25} Nb _{0.25} Fe _{0.50} O ₂ /C oxide cathodes for Li-ion batteries. Journal of Materials Chemistry A, 2020, 8, 5115-5127.	10.3	32
93	Conformation change of horseradish peroxidase in lipid membrane. Chemistry and Physics of Lipids, 2002, 120, 119-129.	3.2	31
94	Oxygen electrochemistry in Liâ€O ₂ batteries probed by in situ surfaceâ€enhanced Raman spectroscopy. SusMat, 2021, 1, 345-358.	14.9	31
95	Revealing the Sulfur Redox Paths in a Li–S Battery by an In Situ Hyphenated Technique of Electrochemistry and Mass Spectrometry. Advanced Materials, 2022, 34, e2106618.	21.0	31
96	Self-supporting, eutectic-like, nanoporous biphase bismuth-tin film for high-performance magnesium storage. Nano Research, 2019, 12, 801-808.	10.4	30
97	One-Pot Synthesis of Carbon Nanotube-Polyaniline-Gold Nanoparticle and Carbon Nanotube-Gold Nanoparticle Composites by Using Aromatic Amine Chemistry. Langmuir, 2008, 24, 8971-8975.	3.5	29
98	Polyphenylene Wrapped Sulfur/Multi-Walled Carbon Nano-Tubes via Spontaneous Grafting of Diazonium Salt for Improved Electrochemical Performance of Lithium-Sulfur Battery. Electrochimica Acta, 2015, 165, 136-141.	5.2	29
99	Kinetics of the CO ₂ reduction reaction in aprotic Li–CO ₂ batteries: a model study. Journal of Materials Chemistry A, 2021, 9, 3290-3296.	10.3	29
100	Formation of a Self-Assembled Monolayer of 2-Mercapto-3-n-octylthiophene on Gold. Langmuir, 2001, 17, 4904-4909.	3.5	28
101	Preparation of a phosphopolyoxomolybdate P2Mo18O626â^ doped polypyrrole modified electrode and its catalytic properties. Journal of Electroanalytical Chemistry, 2004, 566, 63-71.	3.8	27
102	A long-life lithium-oxygen battery via a molecular quenching/mediating mechanism. Science Advances, 2022, 8, eabm1899.	10.3	26
103	Immobilization of the Nanoparticle Monolayer onto Self-Assembled Monolayers by Combined Sterically Enhanced Hydrophobic and Electrophoretic Forces. Langmuir, 2004, 20, 5-10.	3.5	25
104	Surface Charge Influence on the Surface Plasmon Absorbance of Electroactive Thiol-Protected Gold Nanoparticles. Langmuir, 2004, 20, 2519-2522.	3.5	24
105	Mechanistic origin of low polarization in aprotic Na–O ₂ batteries. Physical Chemistry Chemical Physics, 2017, 19, 12375-12383.	2.8	24
106	Probing the Reaction Interface in Li–Oxygen Batteries Using Dynamic Electrochemical Impedance Spectroscopy: Discharge–Charge Asymmetry in Reaction Sites and Electronic Conductivity. Journal of Physical Chemistry Letters, 2018, 9, 3403-3408.	4.6	24
107	Understanding the Reaction Interface in Lithiumâ€Oxygen Batteries. Batteries and Supercaps, 2019, 2, 37-48.	4.7	23
108	Inhibition of Discharge Side Reactions by Promoting Solution-Mediated Oxygen Reduction Reaction with Stable Quinone in Li–O ₂ Batteries. ACS Applied Materials & Interfaces, 2020, 12, 10607-10615.	8.0	23

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109	Direct monitoring of trace water in Li-ion batteries using <i>operando</i> fluorescence spectroscopy. Chemical Science, 2018, 9, 231-237.	7.4	22
110	Taming Interfacial Instability in Lithium–Oxygen Batteries: A Polymeric Ionic Liquid Electrolyte Solution. Advanced Energy Materials, 2019, 9, 1901967.	19.5	22
111	A Novel Zwitterionic Ionic Liquid-Based Electrolyte for More Efficient and Safer Lithium–Sulfur Batteries. ACS Applied Materials & Interfaces, 2020, 12, 11635-11642.	8.0	22
112	Engineering Solid Electrolyte Interphase in Lithium Metal Batteries by Employing an Ionic Liquid Ether Double-Solvent Electrolyte with Li[(CF ₃ SO ₂)(<i>n</i> -C ₄ F ₉ SO ₂)N] as the Salt. ACS Applied Energy Materials, 2018, 1, 4426-4431.	5.1	21
113	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithiumâ€O ₂ Batteries at the Stage of Sudden Death. Angewandte Chemie, 2016, 128, 5287-5291.	2.0	20
114	Li ₂ CO ₃ : Die Achillesferse von Lithium‣uftâ€Batterien. Angewandte Chemie, 2018, 130, 3936-3949.	2.0	20
115	Understanding the boosted sodium storage behavior of a nanoporous bismuth-nickel anode using <i>operando</i> X-ray diffraction and density functional theory calculations. Journal of Materials Chemistry A, 2019, 7, 13602-13613.	10.3	20
116	Understanding the Reaction Interface in Lithium-Oxygen Batteries. Batteries and Supercaps, 2019, 2, 5-5.	4.7	20
117	Electrochemistry and spectroscopy study on the interaction of microperoxidase-11 with lipid membrane. Biophysical Chemistry, 2001, 94, 165-173.	2.8	19
118	Direct Detection of the Superoxide Anion as a Stable Intermediate in the Electroreduction of Oxygen in a Nonâ€Aqueous Electrolyte Containing Phenol as a Proton Source. Angewandte Chemie, 2015, 127, 8283-8286.	2.0	19
119	Identifying compatibility of lithium salts with LiFePO4 cathode using a symmetric cell. Journal of Power Sources, 2018, 384, 80-85.	7.8	19
120	Li 2 O 2 oxidation: the charging reaction in the aprotic Li-O 2 batteries. Science Bulletin, 2015, 60, 1227-1234.	9.0	18
121	Liquid-like Poly(ionic liquid) as Electrolyte for Thermally Stable Lithium-Ion Battery. ACS Omega, 2018, 3, 10564-10571.	3.5	18
122	The origin of potential rise during charging of Li-O2 batteries. Science China Chemistry, 2017, 60, 1527-1532.	8.2	17
123	Promoting defective-Li ₂ O ₂ formation <i>via</i> Na doping for Li–O ₂ batteries with low charge overpotentials. Journal of Materials Chemistry A, 2019, 7, 10389-10396.	10.3	17
124	Identification of a better charge redox mediator for lithium–oxygen batteries. Energy Storage Materials, 2020, 25, 795-800.	18.0	17
125	Clear Representation of Surface Pathway Reactions at Ag Nanowire Cathodes in All-Solid Li–O ₂ Batteries. ACS Applied Materials & Interfaces, 2021, 13, 39157-39164.	8.0	17
126	Confining Li2O2 in tortuous pores of mesoporous cathodes to facilitate low charge overpotentials for Li-O2 batteries. Journal of Energy Chemistry, 2021, 55, 55-61.	12.9	16

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127	Direct <i>In Situ</i> Spectroscopic Evidence for Solution-Mediated Oxygen Reduction Reaction Intermediates in Aprotic Lithium–Oxygen Batteries. Nano Letters, 2022, 22, 501-507.	9.1	16
128	Co-assembly of ferrocene-terminated and alkylthiophene thiols on gold and its redox chemistry modulated by surfactant adsorption. Journal of Electroanalytical Chemistry, 2004, 563, 291-298.	3.8	15
129	Relieving the "Sudden Death―of Li–O ₂ Batteries by Grafting an Antifouling Film on Cathode Surfaces. ACS Applied Materials & Interfaces, 2019, 11, 14753-14758.	8.0	15
130	Rechargeable Aluminium–Sulfur Battery with Improved Electrochemical Performance by Cobaltâ€Containing Electrocatalyst. Angewandte Chemie, 2020, 132, 23163-23167.	2.0	15
131	Identifying a Stable Counter/Reference Electrode for the Study of Aprotic Na–O ₂ Batteries. Journal of the Electrochemical Society, 2016, 163, A1270-A1274.	2.9	14
132	Spectroscopic Identification of the Au–C Bond Formation upon Electroreduction of an Aryl Diazonium Salt on Gold. Langmuir, 2016, 32, 11514-11519.	3.5	14
133	Disproportionation of Sodium Superoxide in Metal–Air Batteries. Angewandte Chemie, 2018, 130, 10054-10058.	2.0	14
134	In Situ Imaging Polysulfides Electrochemistry of Li-S Batteries in a Hollow Carbon Nanotubule Wet Electrochemical Cell. ACS Applied Materials & Interfaces, 2020, 12, 55971-55981.	8.0	14
135	Phase control of ultrafine FeSe nanocrystals in a N-doped carbon matrix for highly efficient and stable oxygen reduction reaction. Journal of Materials Chemistry A, 2021, 9, 3464-3471.	10.3	13
136	Interrogating Lithium–Oxygen Battery Reactions and Chemistry with Isotope-Labeling Techniques: A Mini Review. Energy & Fuels, 2021, 35, 4743-4750.	5.1	13
137	Deciphering the Enigma of Li ₂ CO ₃ Oxidation Using a Solid-State Li–Air Battery Configuration. ACS Applied Materials & Interfaces, 2021, 13, 14321-14326.	8.0	13
138	<i>In situ</i> imaging electrocatalytic CO ₂ reduction and evolution reactions in all-solid-state Li–CO ₂ nanobatteries. Nanoscale, 2020, 12, 23967-23974.	5.6	12
139	Reversible Cycling of Graphite Electrodes in Propylene Carbonate Electrolytes Enabled by Ethyl Isothiocyanate. ACS Applied Materials & Interfaces, 2021, 13, 26023-26033.	8.0	12
140	Surface Electronegativity as an Activity Descriptor to Screen Oxygen Evolution Reaction Catalysts of Li–O ₂ Battery. ACS Applied Materials & Interfaces, 2020, 12, 27166-27175.	8.0	12
141	Hunting the Culprits: Reactive Oxygen Species in Aprotic Lithium–Oxygen Batteries. Journal of Physical Chemistry C, 2022, 126, 1243-1255.	3.1	11
142	Understanding oxygen reactions in aprotic Li-O ₂ batteries. Chinese Physics B, 2016, 25, 018204.	1.4	9
143	Decisive Intermediates Responsible for the Carbonaceous Products of CO ₂ Electroâ€reduction on Nitrogenâ€Đoped sp ² Nanocarbon Catalysts in NaHCO ₃ Aqueous Electrolyte. ChemElectroChem, 2017, 4, 1274-1278.	3.4	9
	Interfacial Barrier of Ion Transport in Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 72 Td (oxide)–Li <sub< td=""><td>>7</td><td>La₃</td></sub<>	>7	La ₃
144	Illustrated by ⁶ Li-Tracer Nuclear Magnetic Resonance Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 1500-1505.	4.6	9

#	Article	IF	CITATIONS
145	Recent Advances in Li Anode for Aprotic Li-O ₂ Batteries. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 486-499.	4.9	8
146	â€~Casting' nanoporous nanowires: revitalizing the ancient process for designing advanced catalysts. Journal of Materials Chemistry A, 2018, 6, 10525-10534.	10.3	8
147	Loosely Packed Self-Assembled Monolayer ofN-Hexadecyl-3,6-di(p-mercaptophenylacetylene)carbazole on Gold and Its Application in Biomimetic Membrane Research. Langmuir, 2004, 20, 10992-10997.	3.5	7
148	Atomic Force Microscopic and Electrochemical Investigations of an Electrostatically Fabricated Single-Wall Carbon Nanotubes Modified Electrode. Electroanalysis, 2005, 17, 59-64.	2.9	7
149	Understanding Lithium-Mediated Oxygen Reactions at the Au DMSO interface: Are We There?. Journal of Physical Chemistry C, 2021, 125, 20762-20771.	3.1	7
150	Dual-function redox mediator enhanced lithium-oxygen battery based on polymer electrolyte. Journal of Materials Science and Technology, 2022, 113, 199-206.	10.7	6
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