

Zhou-Guang Lu

List of Publications by Year in descending order

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254
papers

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255
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#	ARTICLE	IF	CITATIONS
1	High-performance 2.5 V aqueous asymmetric supercapacitor based on MnO ₂ nanowire/hierarchical porous carbon composite. <i>Materials Technology</i> , 2022, 37, 780-788.	1.5	3
2	FeSb@N-doped carbon quantum dots anchored in 3D porous N-doped carbon with pseudocapacitance effect enabling fast and ultrastable potassium storage. <i>Nano Research</i> , 2022, 15, 217-224.	5.8	20
3	Adhesion-Shielding based synthesis of interfacially active magnetic Janus nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1741-1753.	5.0	11
4	Boosting the zinc ion storage capacity and cycling stability of interlayer-expanded vanadium disulfide through in-situ electrochemical oxidation strategy. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 68-75.	5.0	26
5	Revealing the catalytic pathway of a quinone-mediated oxygen reduction reaction in aprotic Li-O ₂ batteries. <i>Chemical Communications</i> , 2022, 58, 1025-1028.	2.2	7
6	Regulating the radical intermediates by conjugated units in covalent organic frameworks for optimized lithium ion storage. <i>Journal of Energy Chemistry</i> , 2022, 69, 428-433.	7.1	29
7	Oxidation State as a Descriptor in Oxygen Reduction Electrocatalysis. <i>CCS Chemistry</i> , 2022, 4, 3587-3598.	4.6	9
8	Hierarchical mesoporous heteroatom-doped carbon accelerating the adsorption and conversion of polysulfide for high performance Lithium-Sulfur batteries. <i>Composites Communications</i> , 2022, 30, 101079.	3.3	15
9	Oxygen Vacancies and Interface Engineering on Amorphous/Crystalline CrO _x @Ni ₃ N Heterostructures toward High Durability and Kinetically Accelerated Water Splitting. <i>Small</i> , 2022, 18, e2106554.	5.2	71
10	Stabilizing intermediates and optimizing reaction processes with N doping in Cu ₂ O for enhanced CO ₂ electroreduction. <i>Applied Catalysis B: Environmental</i> , 2022, 308, 121191.	10.8	59
11	Ternary Transition Metal Sulfide as High Real Energy Cathode for Lithium-Sulfur Pouch Cell Under Lean Electrolyte Conditions. <i>Small Methods</i> , 2022, 6, e2101402.	4.6	18
12	Co single atoms and nanoparticles dispersed on N-doped carbon nanotube as high-performance catalysts for Zn-air batteries. <i>Rare Metals</i> , 2022, 41, 2055-2062.	3.6	27
13	Atomic-level correlation between the electrochemical performance of an oxygen-evolving catalyst and the effects of CeO ₂ functionalization. <i>Nano Research</i> , 2022, 15, 2994-3000.	5.8	13
14	Processing Agricultural Cornstalks toward High Efficient Stable Bifunctional ORR/OER Electrocatalysts. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	10
15	In-situ self-templating synthesis of 3D hierarchical porous carbons from oxygen-bridged porous organic polymers for high-performance supercapacitors. <i>Nano Research</i> , 2022, 15, 7759-7768.	5.8	25
16	Improving the stability of P2-type NaMn _{2/3} Ni _{1/3} O ₂ via phasic intergrowth induced by Li-ion substitution. <i>Materials Today Energy</i> , 2022, , 101041.	2.5	2
17	Ultrafast construction of partially hydrogen-bonded metal-hyaluronan networks with multiple biotissue-related features. <i>Carbohydrate Polymers</i> , 2022, 295, 119852.	5.1	5
18	Hierarchical Doping Engineering with Active/Inert Dual Elements Stabilizes LiCoO ₂ to 4.6ÅV. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	39

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19	Electrolyte solvation chemistry for lithium-sulfur batteries with electrolyte-lean conditions. <i>Journal of Energy Chemistry</i> , 2021, 55, 80-91.	7.1	57
20	Co and N co-modified carbon nanotubes as efficient electrocatalyst for oxygen reduction reaction. <i>Rare Metals</i> , 2021, 40, 90-95.	3.6	45
21	Insights into the chemical and structural evolution of Li-rich layered oxide cathode materials. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 127-140.	3.0	14
22	Synergistic electronic and morphological modulation on ternary Co _{1-x} V _x P nanoneedle arrays for hydrogen evolution reaction with large current density. <i>Science China Materials</i> , 2021, 64, 880-891.	3.5	19
23	Trimetallic Zeolitic imidazolate framework-derived Co nanoparticles@CoFe-nitrogen-doped porous carbon as bifunctional electrocatalysts for Zn-air battery. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 621-629.	5.0	29
24	Redox of Dual-Radical Intermediates in a Methylene-Linked Covalent Triazine Framework for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 514-521.	4.0	40
25	Decoupled Redox Catalytic Hydrogen Production with a Robust Electrolyte-Borne Electron and Proton Carrier. <i>Journal of the American Chemical Society</i> , 2021, 143, 223-231.	6.6	48
26	Bimetallic Ag-Cu nanosheets assembled flower-like structure for oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157379.	2.8	11
27	Redox of naphthalenediimide radicals in a 3D polyimide for stable Li-ion batteries. <i>Chemical Communications</i> , 2021, 57, 7810-7813.	2.2	26
28	Single copper sites dispersed on defective TiO ₂ as a synergistic oxygen reduction reaction catalyst. <i>Journal of Chemical Physics</i> , 2021, 154, 034705.	1.2	7
29	Electrodeposition of (111)-oriented and nanotwin-doped nanocrystalline Cu with ultrahigh strength for 3D IC application. <i>Nanotechnology</i> , 2021, 32, 225702.	1.3	12
30	In-situ Intermolecular Interaction in Composite Polymer Electrolyte for Ultralong Life Quasi-Solid-State Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2021, 133, 12223-12230.	1.6	20
31	In-situ Intermolecular Interaction in Composite Polymer Electrolyte for Ultralong Life Quasi-Solid-State Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12116-12123.	7.2	97
32	Structural and Electronic Engineering of Ir-Doped Ni-(Oxy)hydroxide Nanosheets for Enhanced Oxygen Evolution Activity. <i>ACS Catalysis</i> , 2021, 11, 5386-5395.	5.5	75
33	Reversible aluminum ion storage mechanism in Ti-deficient rutile titanium dioxide anode for aqueous aluminum-ion batteries. <i>Energy Storage Materials</i> , 2021, 37, 619-627.	9.5	45
34	Suppressing Continuous Volume Expansion of Si Nanoparticles by an Artificial Solid Electrolyte Interphase for High-Performance Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8059-8068.	3.2	23
35	Iron polyphthalocyanine-derived ternary-balanced Fe ₃ O ₄ /Fe ₃ N/Fe-N-C@PC as a high-performance electrocatalyst for the oxygen reduction reaction. <i>Science China Materials</i> , 2021, 64, 2987-2996.	3.5	16
36	Extra Sodiation Sites in Hard Carbon for High Performance Sodium Ion Batteries. <i>Small Methods</i> , 2021, 5, e2100580.	4.6	40

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37	Dilute Aqueousâ€Aprotic Hybrid Electrolyte Enabling a Wide Electrochemical Window through Solvation Structure Engineering. <i>Advanced Materials</i> , 2021, 33, e2102390.	11.1	28
38	Anti-thermal quenching of Eu ³⁺ luminescence in negative thermal expansion Zr(WO ₄) ₂ . <i>Ceramics International</i> , 2021, 47, 34820-34827.	2.3	17
39	Microporous Feâ€N ₄ catalysts derived from biomass aerogel for a high-performance Znâ€air battery. <i>Materials Today Energy</i> , 2021, 21, 100826.	2.5	19
40	Dextran Sulfate Lithium as Versatile Binder to Stabilize Highâ€Voltage LiCoO ₂ to 4.6 V. <i>Advanced Energy Materials</i> , 2021, 11, 2101864.	10.2	80
41	Coupling a Three-Dimensional Nanopillar and Robust Film to Guide Li-Ion Flux for Dendrite-Free Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45416-45425.	4.0	8
42	Hollow high-entropy metal organic framework derived nanocomposite as efficient electrocatalyst for oxygen reduction reaction. <i>Composites Communications</i> , 2021, 27, 100866.	3.3	23
43	3D oxidized polyacrylonitrile/Ag framework guided bottom-up lithium deposition for dendrite-free lithium metal batteries. <i>Chemical Engineering Journal</i> , 2021, 426, 130780.	6.6	19
44	Li-Rich Antiperovskite/Nitrile Butadiene Rubber Composite Electrolyte for Sheet-Type Solid-State Lithium Metal Battery. <i>Frontiers in Chemistry</i> , 2021, 9, 744417.	1.8	8
45	In situ assembly of MnO ₂ nanosheets on sulfur-embedded multichannel carbon nanofiber composites as cathodes for lithium-sulfur batteries. <i>Science China Materials</i> , 2020, 63, 728-738.	3.5	38
46	Structure Engineering of MoS ₂ via Simultaneous Oxygen and Phosphorus Incorporation for Improved Hydrogen Evolution. <i>Small</i> , 2020, 16, e1905738.	5.2	112
47	Efficient electroreduction of CO ₂ to CO by Ag-decorated S-doped g-C ₃ N ₄ /CNT nanocomposites at industrial scale current density. <i>Materials Today Physics</i> , 2020, 12, 100176.	2.9	39
48	Single Lithium-Ion Conducting Solid Polymer Electrolyte with Superior Electrochemical Stability and Interfacial Compatibility for Solid-State Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7249-7256.	4.0	88
49	Thermal and compositional driven relaxor ferroelectric behaviours of lead-free Bi _{0.5} Na _{0.5} TiO ₃ â€SrTiO ₃ ceramics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2411-2418.	2.7	54
50	Engineering Frenkel defects of anti-perovskite solid-state electrolytes and their applications in all-solid-state lithium-ion batteries. <i>Chemical Communications</i> , 2020, 56, 1251-1254.	2.2	36
51	Flexible Membrane Consisting of MoP Ultrafine Nanoparticles Highly Distributed Inside N and P Codoped Carbon Nanofibers as Highâ€Performance Anode for Potassiumâ€Ion Batteries. <i>Small</i> , 2020, 16, e1905301.	5.2	85
52	Cobalt-Doped NiS ₂ Micro/Nanostructures with Complete Solid Solubility as High-Performance Cathode Materials for Actual High-Specific-Energy Thermal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50377-50387.	4.0	39
53	Constructing stable covalent bonding in black phosphorus/reduced graphene oxide for lithium ion battery anodes. <i>Chemical Communications</i> , 2020, 56, 11613-11616.	2.2	30
54	Reticular chemistry in electrochemical carbon dioxide reduction. <i>Science China Materials</i> , 2020, 63, 1113-1141.	3.5	30

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55	A pseudo-metal-free strategy for constructing high performance photoelectrodes. Journal of Materials Chemistry A, 2020, 8, 12767-12773.	5.2	4
56	Synergistic effects of Pd@Ag bimetals and g-C ₃ N ₄ photocatalysts for selective and efficient conversion of gaseous CO ₂ . Journal of Power Sources, 2020, 466, 228306.	4.0	29
57	Oxygen redox activity with small voltage hysteresis in Na _{0.67} Cu _{0.28} Mn _{0.72} O ₂ for sodium-ion batteries. Energy Storage Materials, 2020, 28, 300-306.	9.5	105
58	Revealing Mechanism of Li ₃ PO ₄ Coating Suppressed Surface Oxygen Release for Commercial Ni-Rich Layered Cathodes. ACS Applied Energy Materials, 2020, 3, 7445-7455.	2.5	58
59	Oxygen-rich nanoflake-interlaced carbon microspheres for potassium-ion battery anodes. Chemical Communications, 2020, 56, 3433-3436.	2.2	35
60	An all-in-one supercapacitor working at sub-zero temperatures. Science China Materials, 2020, 63, 660-666.	3.5	18
61	Versatile Strategy for Realizing Flexible Room-Temperature All-Solid-State Battery through a Synergistic Combination of Salt Affluent PEO and Li _{6.75} La ₃ Zr _{1.75} Ta _{0.25} O ₁₂ Nanofibers. ACS Applied Materials & Interfaces, 2020, 12, 7222-7231.	4.0	63
62	Solid electrolyte interface stabilization <i>via</i> surface oxygen species functionalization in hard carbon for superior performance sodium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 3606-3612.	5.2	43
63	Designing Efficient Dual-Metal Single-Atom Electrocatalyst TMZnN ₆ (TM = Mn, Fe, Co, Ni). Tj ETQq1 1,0,784314,rgBT/O 1.5,47	1.5	47
64	The Decay Mechanism Related to Structural and Morphological Evolution in Lithium-Rich Cathode Materials for Lithium-Ion Batteries. ChemSusChem, 2020, 13, 3237-3242.	3.6	11
65	In-situ synthesis of free-standing FeNi-oxyhydroxide nanosheets as a highly efficient electrocatalyst for water oxidation. Chemical Engineering Journal, 2020, 395, 125180.	6.6	100
66	Partially graphitic hierarchical porous carbon nanofiber for high performance supercapacitors and lithium ion batteries. Journal of Power Sources, 2020, 462, 228098.	4.0	42
67	Li _{1.2} Ni _{0.25} Mn _{0.55} O ₂ : A high-capacity cathode material with a homogeneous monoclinic Li ₂ MnO ₃ -like superstructure. Journal of Alloys and Compounds, 2020, 827, 154202.	2.8	19
68	A novel method for screening deep eutectic solvent to recycle the cathode of Li-ion batteries. Green Chemistry, 2020, 22, 4473-4482.	4.6	158
69	Freestanding Mo ₂ C-decorating N-doped carbon nanofibers as 3D current collector for ultra-stable Li-S batteries. Energy Storage Materials, 2019, 18, 375-381.	9.5	96
70	High energy batteries based on sulfur cathode. Green Energy and Environment, 2019, 4, 345-359.	4.7	55
71	Scalable and controllable synthesis of multi-shell hollow carbon microspheres for high-performance supercapacitors. Carbon, 2019, 154, 330-341.	5.4	34
72	Self-supported nickel iron oxide nanospindles with high hydrophilicity for efficient oxygen evolution. Chemical Communications, 2019, 55, 10860-10863.	2.2	50

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73	Exploring synergetic effects of vinylene carbonate and 1,3-propane sultone on LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ /graphite cells with excellent high-temperature performance. <i>Journal of Power Sources</i> , 2019, 437, 226929.	4.0	21
74	Preface to the special issue on energy storage and conversion. <i>Journal of Central South University</i> , 2019, 26, 1385-1386.	1.2	1
75	Defect-Assisted Selective Surface Phosphorus Doping to Enhance Rate Capability of Titanium Dioxide for Sodium Ion Batteries. <i>ACS Nano</i> , 2019, 13, 9247-9258.	7.3	173
76	Self-Supported Hierarchical IrO ₂ @NiO Nanoflake Arrays as an Efficient and Durable Catalyst for Electrochemical Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25854-25862.	4.0	56
77	Electromagnetic and Chemical Enhancements of Surface-Enhanced Raman Scattering Spectra from Cu ₂ O Hexagonal Nanoplates. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900534.	1.9	16
78	Enhanced electrochemical performance of solid PEO/LiClO ₄ electrolytes with a 3D porous Li _{6.28} La ₃ Zr ₂ Al _{0.24} O ₁₂ network. <i>Composites Science and Technology</i> , 2019, 184, 107863.	3.8	38
79	A Flexible Solid-State Aqueous Zinc Hybrid Battery with Flat and High-Voltage Discharge Plateau. <i>Advanced Energy Materials</i> , 2019, 9, 1902473.	10.2	136
80	Efficient Surface Modulation of Single-Crystalline Na ₂ Ti ₃ O ₇ Nanotube Arrays with Ti ³⁺ Self-Doping toward Superior Sodium Storage. , 2019, 1, 389-398.		24
81	Stabilizing the oxygen lattice and reversible oxygen redox in Na-deficient cathode oxides. <i>Journal of Power Sources</i> , 2019, 439, 227086.	4.0	27
82	Selective preparation of graphene- and rope-like NanoCarbons from camellia wastes as high performance electrode materials for energy storage. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151616.	2.8	10
83	Lamellarly Stacking Porous N, P Co-Doped Mo ₂ C/C Nanosheets as High Performance Anode for Lithium-Ion Batteries. <i>Small</i> , 2019, 15, e1805022.	5.2	43
84	In Situ Study of K ⁺ Electrochemical Intercalating into MoS ₂ Flakes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5067-5072.	1.5	26
85	Vanadium self-intercalated C/V _{1.11} S ₂ nanosheets with abundant active sites for enhanced electro-catalytic hydrogen evolution. <i>Electrochimica Acta</i> , 2019, 300, 208-216.	2.6	19
86	Tunable Redox Chemistry and Stability of Radical Intermediates in 2D Covalent Organic Frameworks for High Performance Sodium Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 9623-9628.	6.6	276
87	Selective edge etching to improve the rate capability of Prussian blue analogues for sodium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1361-1366.	3.0	23
88	WS ₂ Nanosheets with Highly-Enhanced Electrochemical Activity by Facile Control of Sulfur Vacancies. <i>ChemCatChem</i> , 2019, 11, 2667-2675.	1.8	57
89	Improved mechanical and dielectric performances of epoxy nanocomposites filled with aminated polyethylene glycol grafted graphene. <i>Materials Letters</i> , 2019, 246, 149-152.	1.3	16
90	Cobalt-Vanadium Hydroxide Nanoneedles with a Free-Standing Structure as High-Performance Oxygen Evolution Reaction Electrocatalysts. <i>ChemElectroChem</i> , 2019, 6, 2050-2055.	1.7	24

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91	Polyvinylpyrrolidone-Induced Uniform Surface-Conductive Polymer Coating Endows Ni-Rich $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ with Enhanced Cyclability for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12594-12604.	4.0	173
92	Ti-V-C-Based Alloy with a FCC Lattice Structure for Hydrogen Storage. <i>Molecules</i> , 2019, 24, 552.	1.7	1
93	The potential application of 2D Ti_2CT_2 ($\text{T}=\text{C, O}$ and S) monolayer MXenes as anodes for Na-ion batteries: A theoretical study. <i>Computational Materials Science</i> , 2019, 163, 267-277.	1.4	43
94	A novel Mn/Co dual nanoparticle decorated hierarchical carbon structure derived from a biopolymer hydrogel as a highly efficient electro-catalyst for the oxygen reduction reaction. <i>Chemical Communications</i> , 2019, 55, 13900-13903.	2.2	10
95	One-Pot Synthesis of Co-Doped VSe_2 Nanosheets for Enhanced Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 644-653.	2.5	59
96	High-Performance Sodium-Ion Batteries Based on Nitrogen-Doped Mesoporous Carbon Spheres with Ultrathin Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2970-2977.	4.0	82
97	Hierarchical Ultrafine $\text{Ni}_3\text{V}_2\text{O}_8$ Nanoparticles Anchored on rGO as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Energy Technology</i> , 2019, 7, 1800784.	1.8	15
98	Rapid microwave-assisted refluxing synthesis of hierarchical mulberry-shaped $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{O}_2\text{F}@C$ as high performance cathode for sodium & lithium-ion batteries. <i>Science China Materials</i> , 2019, 62, 474-486.	3.5	28
99	Optical oxygen sensors based on microfibers formed from fluorinated copolymers. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 885-895.	4.0	25
100	Effective degradation of refractory nitrobenzene in water by the natural 4-hydroxycoumarin under solar illumination. <i>Chemosphere</i> , 2019, 215, 199-205.	4.2	10
101	A facile solvent-free method for NaBH_4 and $\text{Na}_2\text{B}_{12}\text{H}_{12}$ synthesis. <i>Inorganica Chimica Acta</i> , 2018, 474, 16-21.	1.2	4
102	Synergistic Effects of C/MoC and Ag for Efficient Oxygen Reduction Reaction. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 779-784.	2.1	33
103	$\text{SnS}/\text{SnSb}@C$ Nanofibers with Enhanced Cycling Stability via Vulcanization as an Anode for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 1098-1104.	1.7	23
104	Synergistic Interlayer and Defect Engineering in VS_2 Nanosheets toward Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Small</i> , 2018, 14, 1703098.	5.2	180
105	NiO as a Bifunctional Promoter for RuO_2 toward Superior Overall Water Splitting. <i>Small</i> , 2018, 14, e1704073.	5.2	214
106	Free-standing single-crystalline NiFe-hydroxide nanoflake arrays: a self-activated and robust electrocatalyst for oxygen evolution. <i>Chemical Communications</i> , 2018, 54, 463-466.	2.2	107
107	The nanoscale effects on the morphology, microstructure and electrochemical performances of the cathodic deposited $\text{Ni}(\text{OH})_2$. <i>Electrochimica Acta</i> , 2018, 261, 58-65.	2.6	11
108	Highly [010]-oriented self-assembled LiCoPO_4/C nanoflakes as high-performance cathode for lithium ion batteries. <i>Nano Research</i> , 2018, 11, 2424-2435.	5.8	11

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109	Coherent TiO ₂ /BaTiO ₃ heterostructure as a functional reservoir and promoter for polysulfide intermediates. <i>Chemical Communications</i> , 2018, 54, 12250-12253.	2.2	53
110	Novel Lignin-Derived Water-Soluble Binder for Micro Silicon Anode in Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12621-12629.	3.2	68
111	Nitrogen-doped graphene derived from ionic liquid as metal-free catalyst for oxygen reduction reaction and its mechanisms. <i>Applied Energy</i> , 2018, 225, 513-521.	5.1	52
112	Improvement in electrochemical performance of Na ₃ V ₂ (PO ₄) ₃ /C cathode material for sodium-ion batteries by K-Ca co-doping. <i>Electrochimica Acta</i> , 2018, 281, 208-217.	2.6	78
113	Toward Two-Dimensional Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 8139-8143.	1.6	22
114	Crystal-Face Tailored Graphitic Carbon Nitride Films for High-Performance Photoelectrochemical Cells. <i>ChemSusChem</i> , 2018, 11, 2497-2501.	3.6	34
115	Na ₃ NH ₂ B ₁₂ H ₁₂ as high performance solid electrolyte for all-solid-state Na-ion batteries. <i>Journal of Power Sources</i> , 2018, 396, 574-579.	4.0	32
116	SnS ₂ /TiO ₂ nanohybrids chemically bonded on nitrogen-doped graphene for lithium-sulfur batteries: synergy of vacancy defects and heterostructures. <i>Nanoscale</i> , 2018, 10, 15505-15512.	2.8	116
117	Ultrafine NaTi ₂ (PO ₄) ₃ Nanoparticles Encapsulated in N-CNFs as Ultra-Stable Electrode for Sodium Storage. <i>Frontiers in Chemistry</i> , 2018, 6, 270.	1.8	10
118	Toward Two-Dimensional Conjugated Covalent Organic Radical Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8007-8011.	7.2	140
119	Edge Defect Engineering of Nitrogen-Doped Carbon for Oxygen Electrocatalysts in Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29448-29456.	4.0	110
120	Carbon-bonded, oxygen-deficient TiO ₂ nanotubes with hybridized phases for superior Na-ion storage. <i>Chemical Engineering Journal</i> , 2018, 350, 201-208.	6.6	70
121	Supramolecular hydrogel directed self-assembly of C- and N-doped hollow CuO as high-performance anode materials for Li-ion batteries. <i>Chemical Communications</i> , 2017, 53, 2138-2141.	2.2	41
122	Facile Synthesis of Vanadium-Doped Ni ₃ S ₂ Nanowire Arrays as Active Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5959-5967.	4.0	196
123	Low-Cost and Novel Si-Based Gel for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10699-10707.	4.0	42
124	MoC ultrafine nanoparticles confined in porous graphitic carbon as extremely stable anode materials for lithium- and sodium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 289-295.	3.0	42
125	Na ₃ V ₂ (PO ₄) ₃ /C nanofiber bifunction as anode and cathode materials for sodium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2985-2995.	1.2	30
126	In situ, facile synthesis of La _{0.8} Sr _{0.2} MnO ₃ /nitrogen-doped graphene: a high-performance catalyst for rechargeable Li-O ₂ batteries. <i>Ionics</i> , 2017, 23, 2241-2250.	1.2	14

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127	Ultra-high electrocatalytic activity of VS_2 nanoflowers for efficient hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15080-15086.	5.2	189
128	Cross-linking of polymer and ionic liquid as high-performance gel electrolyte for flexible solid-state supercapacitors. <i>Electrochimica Acta</i> , 2017, 244, 112-118.	2.6	68
129	Facile synthesis of anhydrous $\text{Li}_2\text{B}_{12}\text{H}_{12}$ with high purity by solvent-free method. <i>Inorganica Chimica Acta</i> , 2017, 464, 147-151.	1.2	8
130	Ionic Liquid Mediated Synthesis of Lath Shaped CuO Microassemblies as Extremely Stable Anode Material for Lithium-ion Batteries. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1299-1304.	2.6	3
131	Graphene oxide/poly(vinyl alcohol) hydrogels with good tensile properties and reusable adsorption properties. <i>Plastics, Rubber and Composites</i> , 2017, 46, 53-59.	0.9	28
132	Hierarchical ball-in-ball structured nitrogen-doped carbon microspheres as high performance anode for sodium-ion batteries. <i>Energy Storage Materials</i> , 2017, 7, 229-235.	9.5	78
133	Facile synthesis of ultrathin MoS_2/C nanosheets for use in sodium-ion batteries. <i>RSC Advances</i> , 2017, 7, 285-289.	1.7	30
134	Biopolymer-chitosan based supramolecular hydrogels as solid state electrolytes for electrochemical energy storage. <i>Chemical Communications</i> , 2017, 53, 1615-1618.	2.2	91
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