Zhou-Guang Lu

List of Publications by Year
in descending order

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254 papers	12,674 citations	16411 64 h-index	37111 96 g-index
255 all docs	255 docs citations	255 times ranked	15065 citing authors

#	Article	IF	Citations
1	Tunable Redox Chemistry and Stability of Radical Intermediates in 2D Covalent Organic Frameworks for High Performance Sodium Ion Batteries. Journal of the American Chemical Society, 2019, 141, 9623-9628.	6.6	276
2	Multistimuliâ€Responsive, Moldable Supramolecular Hydrogels Crossâ€Linked by Ultrafast Complexation of Metal Ions and Biopolymers. Angewandte Chemie - International Edition, 2015, 54, 7944-7948.	7.2	257
3	Highly durable organic electrode for sodium-ion batteries via a stabilized Î±-C radical intermediate. Nature Communications, 2016, 7, 13318.	5.8	226
4	NiO as a Bifunctional Promoter for RuO₂ toward Superior Overall Water Splitting. Small, 2018, 14, e1704073.	5.2	214
5	Facile synthesis of Co3O4 nanoflowers grown on Ni foam with superior electrochemical performance. Electrochimica Acta, 2011, 56, 4985-4991.	2.6	199
6	Facile Synthesis of Vanadium-Doped Ni₃S₂ Nanowire Arrays as Active Electrocatalyst for Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 5959-5967.	4.0	196
7	Synergistic effect of 2D Ti₂C and g-C₃N₄ for efficient photocatalytic hydrogen production. Journal of Materials Chemistry A, 2017, 5, 16748-16756.	5.2	192
8	Triple-coaxial electrospun amorphous carbon nanotubes with hollow graphitic carbon nanospheres for high-performance Li ion batteries. Energy and Environmental Science, 2012, 5, 7898.	15.6	191
9	Ultra-high electrocatalytic activity of VS₂ nanoflowers for efficient hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 15080-15086.	5.2	189
10	Synergistic Interlayer and Defect Engineering in VS₂ Nanosheets toward Efficient Electrocatalytic Hydrogen Evolution Reaction. Small, 2018, 14, 1703098.	5.2	180
11	Photocatalytic activity evaluation of tetragonal CuFe2O4 nanoparticles for the H2 evolution under visible light irradiation. Journal of Alloys and Compounds, 2009, 476, 715-719.	2.8	174
12	Defect-Assisted Selective Surface Phosphorus Doping to Enhance Rate Capability of Titanium Dioxide for Sodium Ion Batteries. ACS Nano, 2019, 13, 9247-9258.	7.3	173
13	Polyvinylpyrrolidone-Induced Uniform Surface-Conductive Polymer Coating Endows Ni-Rich LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ with Enhanced Cyclability for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 12594-12604.	4.0	173
14	Single-crystal Î±-MnO2nanorods: synthesis and electrochemical properties. Nanotechnology, 2007, 18, 115616.	1.3	166
15	A facile method to improve the high rate capability of Co3O4 nanowire array electrodes. Nano Research, 2010, 3, 895-901.	5.8	165
16	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
17	Hydrogenated TiO₂ Nanotube Arrays as Highâ€Rate Anodes for Lithiumâ€Ion Microbatteries. ChemPlusChem, 2012, 77, 991-1000.	1.3	150
18	Heterogeneous NiCo2O4@polypyrrole core/sheath nanowire arrays on Ni foam for high performance supercapacitors. Journal of Power Sources, 2015, 294, 120-127.	4.0	142

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19	Toward Twoâ€Dimensional Ïâ€Conjugated Covalent Organic Radical Frameworks. Angewandte Chemie - International Edition, 2018, 57, 8007-8011.	7.2	140
20	Stabilization of Black Phosphorous Quantum Dots in PMMA Nanofiber Film and Broadband Nonlinear Optics and Ultrafast Photonics Application. Advanced Functional Materials, 2017, 27, 1702437.	7.8	136
21	rGO/SnS₂/TiO₂heterostructured composite with dual-confinement for enhanced lithium-ion storage. Journal of Materials Chemistry A, 2017, 5, 25056-25063.	5.2	136
22	A Flexible Solidâ€State Aqueous Zinc Hybrid Battery with Flat and Highâ€Voltage Discharge Plateau. Advanced Energy Materials, 2019, 9, 1902473.	10.2	136
23	Facile synthesis of porous LiMn2O4 spheres as positive electrode for high-power lithium ion batteries. Journal of Power Sources, 2012, 198, 251-257.	4.0	122
24	SnS₂/TiO₂ nanohybrids chemically bonded on nitrogen-doped graphene for lithiumâ€“sulfur batteries: synergy of vacancy defects and heterostructures. Nanoscale, 2018, 10, 15505-15512.	2.8	116
25	Preparation and luminescence properties of Eu3+-doped MSnO3 (M = Ca, Sr and Ba) perovskite materials. Journal of Alloys and Compounds, 2005, 387, L1-L4.	2.8	114
26	Structure Engineering of MoS₂ via Simultaneous Oxygen and Phosphorus Incorporation for Improved Hydrogen Evolution. Small, 2020, 16, e1905738.	5.2	112
27	Bimetallic organic frameworks derived CuNi/carbon nanocomposites as efficient electrocatalysts for oxygen reduction reaction. Science China Materials, 2017, 60, 654-663.	3.5	110
28	Edge Defect Engineering of Nitrogen-Doped Carbon for Oxygen Electrocatalysts in Znâ€“Air Batteries. ACS Applied Materials & Interfaces, 2018, 10, 29448-29456.	4.0	110
29	A high performance O₂selective membrane based on CAU-1-NH₂@polydopamine and the PMMA polymer for Liâ€“air batteries. Chemical Communications, 2015, 51, 4364-4367.	2.2	107
30	Free-standing single-crystalline NiFe-hydroxide nanoflake arrays: a self-activated and robust electrocatalyst for oxygen evolution. Chemical Communications, 2018, 54, 463-466.	2.2	107
31	Oxygen redox activity with small voltage hysteresis in Na0.67Cu0.28Mn0.72O2 for sodium-ion batteries. Energy Storage Materials, 2020, 28, 300-306.	9.5	105
32	The electrochemical behavior of Clâ¯ assisted Al3+ insertion into titanium dioxide nanotube arrays in aqueous solution for aluminum ion batteries. Electrochimica Acta, 2014, 143, 340-346.	2.6	102
33	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
34	Inâ€Situ Intermolecular Interaction in Composite Polymer Electrolyte for Ultralong Life Quasiâ€Solidâ€State Lithium Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 12116-12123.	7.2	97
35	Freestanding Mo2C-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
36	Biopolymer-chitosan based supramolecular hydrogels as solid state electrolytes for electrochemical energy storage. Chemical Communications, 2017, 53, 1615-1618.	2.2	91

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37	In situ formation of hollow graphitic carbon nanospheres in electrospun amorphous carbon nanofibers for high-performance Li-based batteries. Nanoscale, 2012, 4, 6800.	2.8	90
38	Facile electrodeposition of 3D concentration-gradient Ni-Co hydroxide nanostructures on nickel foam as high performance electrodes for asymmetric supercapacitors. Nano Research, 2015, 8, 2744-2754.	5.8	90
39	Aluminothermal synthesis and characterization of Li3V2â^'xAlx(PO4)3 cathode materials for lithium ion batteries. Electrochimica Acta, 2011, 56, 2823-2827.	2.6	89
40	Efficient coupling of a hierarchical V₂O₅@Ni₃S₂hybrid nanoarray for pseudocapacitors and hydrogen production. Journal of Materials Chemistry A, 2017, 5, 17954-17962.	5.2	88
41	Single Lithium-Ion Conducting Solid Polymer Electrolyte with Superior Electrochemical Stability and Interfacial Compatibility for Solid-State Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 7249-7256.	4.0	88
42	Flexible Membrane Consisting of MoP Ultrafine Nanoparticles Highly Distributed Inside N and P Codoped Carbon Nanofibers as Highâ€Performance Anode for Potassiumâ€Ion Batteries. Small, 2020, 16, e1905301.	5.2	85
43	Facile preparation of PdNi/rGO and its electrocatalytic performance towards formic acid oxidation. Journal of Materials Chemistry A, 2014, 2, 3894.	5.2	84
44	Facile synthesis of spinel CuCo₂O₄ nanocrystals as high-performance cathode catalysts for rechargeable Liâ€“air batteries. Chemical Communications, 2014, 50, 14635-14638.	2.2	84
45	Improved cycle performance of LiMn2O4 cathode material for aqueous rechargeable lithium battery by LaF3 coating. Journal of Alloys and Compounds, 2016, 654, 384-391.	2.8	84
46	CuCr2O4/TiO2 heterojunction for photocatalytic H2 evolution under simulated sunlight irradiation. Solar Energy, 2009, 83, 1534-1539.	2.9	82
47	High-Performance Sodium-Ion Batteries Based on Nitrogen-Doped Mesoporous Carbon Spheres with Ultrathin Nanosheets. ACS Applied Materials & Interfaces, 2019, 11, 2970-2977.	4.0	82
48	Pulsed Laser Deposition and Electrochemical Characterization of LiFePO₄â€“Ag Composite Thin Films. Advanced Functional Materials, 2007, 17, 3885-3896.	7.8	81
49	Shape-controlled synthesis and characterization of BaZrO3 microcrystals. Journal of Crystal Growth, 2004, 266, 539-544.	0.7	80
50	Preparation and Luminescence Properties of Eu3+-Doped MSnO3 (M: Ca, Sr and Ba) Perovskite Materials.. ChemInform, 2005, 36, no.	0.1	80
51	Dextran Sulfate Lithium as Versatile Binder to Stabilize Highâ€Voltage LiCoO₂ to 4.6 V. Advanced Energy Materials, 2021, 11, 2101864.	10.2	80
52	Synthesis and photoluminescence of Eu3+-doped Y2Sn2O7 nanocrystals. Journal of Solid State Chemistry, 2004, 177, 3075-3079.	1.4	79
53	Hierarchical ball-in-ball structured nitrogen-doped carbon microspheres as high performance anode for sodium-ion batteries. Energy Storage Materials, 2017, 7, 229-235.	9.5	78
54	Improvement in electrochemical performance of Na3V2(PO4)3/C cathode material for sodium-ion batteries by K-Ca co-doping. Electrochimica Acta, 2018, 281, 208-217.	2.6	78

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55	Iron supported C@Fe3O4 nanotube array: a new type of 3D anode with low-cost for high performance lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 5560.	6.7	77
56	Large-scale fabrication of graphene-wrapped FeF3 nanocrystals as cathode materials for lithium ion batteries. Nanoscale, 2013, 5, 6338.	2.8	77
57	Facile synthesis and electrochemical characterization of porous and dense TiO2 nanospheres for lithium-ion battery applications. Journal of Power Sources, 2011, 196, 6394-6399.	4.0	75
58	Structural and Electronic Engineering of Ir-Doped Ni-(Oxy)hydroxide Nanosheets for Enhanced Oxygen Evolution Activity. ACS Catalysis, 2021, 11, 5386-5395.	5.5	75
59	Fabrication of FeF3 nanocrystals dispersed into a porous carbon matrix as a high performance cathode material for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 15060.	5.2	72
60	Citric Acid- and Ammonium-Mediated Morphological Transformations of Olivine LiFePO₄ Particles. Chemistry of Materials, 2011, 23, 2848-2859.	3.2	71
61	Oxygen Vacancies and Interface Engineering on Amorphous/Crystalline CrO_xâ€Ni₃N Heterostructures toward Highâ€Durability and Kinetically Accelerated Water Splitting. Small, 2022, 18, e2106554.	5.2	71
62	Carbon-bonded, oxygen-deficient TiO2 nanotubes with hybridized phases for superior Na-ion storage. Chemical Engineering Journal, 2018, 350, 201-208.	6.6	70
63	Cross-linking of polymer and ionic liquid as high-performance gel electrolyte for flexible solid-state supercapacitors. Electrochimica Acta, 2017, 244, 112-118.	2.6	68
64	Novel Lignin-Derived Water-Soluble Binder for Micro Silicon Anode in Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 12621-12629.	3.2	68
65	Two-step synthesis and ethanol sensing properties of Zn2SnO4SnO2 nanocomposites. Materials Chemistry and Physics, 2005, 92, 5-9.	2.0	67
66	Pulse Laser Deposition and Electrochemical Characterization of LiFePO₄â"C Composite Thin Films. Journal of Physical Chemistry C, 2008, 112, 7069-7078.	1.5	65
67	Alternating assembly of Niâ€"Al layered double hydroxide and graphene for high-rate alkaline battery cathode. Chemical Communications, 2015, 51, 9983-9986.	2.2	63
68	Versatile Strategy for Realizing Flexible Room-Temperature All-Solid-State Battery through a Synergistic Combination of Salt Affluent PEO and Li_{6.75}La₃Zr_{1.75}Ta_{0.25}O₁₂ Nanofibers. ACS Applied Materials & Interfaces, 2020, 12, 7222-7231.	4.0	63
69	One-Pot Synthesis of Co-Doped VSe₂ Nanosheets for Enhanced Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 644-653.	2.5	59
70	Understanding and suppressing side reactions in Liâ€"air batteries. Materials Chemistry Frontiers, 2017, 1, 2495-2510.	3.2	59
71	Stabilizing intermediates and optimizing reaction processes with N doping in Cu2O for enhanced CO2 electroreduction. Applied Catalysis B: Environmental, 2022, 308, 121191.	10.8	59
72	Revealing Mechanism of Li₃PO₄ Coating Suppressed Surface Oxygen Release for Commercial Ni-Rich Layered Cathodes. ACS Applied Energy Materials, 2020, 3, 7445-7455.	2.5	58

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73	Hydrothermal synthesis of CaSnO 3 cubes. Inorganic Chemistry Communication, 2004, 7, 731-733.	1.8	57
74	Facile and Rapid Synthesis of Highly Porous Wirelike TiO₂ as Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2012, 4, 1608-1613.	4.0	57
75	Large-scale fabrication of porous carbon-decorated iron oxide microcuboids from Feâ€“MOF as high-performance anode materials for lithium-ion batteries. RSC Advances, 2015, 5, 7356-7362.	1.7	57
76	Facile Synthesis of Nitrogen and Sulfur Codoped Carbon from Ionic Liquid as Metal-Free Catalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2015, 7, 7214-7221.	4.0	57
77	WS₂ Nanosheets with Highlyâ€Enhanced Electrochemical Activity by Facile Control of Sulfur Vacancies. ChemCatChem, 2019, 11, 2667-2675.	1.8	57
78	Electrolyte solvation chemistry for lithiumâ€“sulfur batteries with electrolyte-lean conditions. Journal of Energy Chemistry, 2021, 55, 80-91.	7.1	57
79	Self-Supported Hierarchical IrO₂@NiO Nanoflake Arrays as an Efficient and Durable Catalyst for Electrochemical Oxygen Evolution. ACS Applied Materials & Interfaces, 2019, 11, 25854-25862.	4.0	56
80	Morphological solution for enhancement of electrochemical kinetic performance of LiFePO4. Electrochimica Acta, 2010, 56, 995-999.	2.6	55
81	General synthesis of LiLn(MO₄)₂:Eu³⁺(Ln = La, Eu, Gd, Y; M = W,) Tj ETQq1 1 0.784314 rgBT /O	1.7	55
82	High energy batteries based on sulfur cathode. Green Energy and Environment, 2019, 4, 345-359.	4.7	55
83	Core/shell nanostructured Na 3 V 2 (PO 4) 3 /C/TiO 2 composite nanofibers as a stable anode for sodium-ion batteries. Journal of Power Sources, 2017, 362, 147-159.	4.0	54
84	Thermal and compositional driven relaxor ferroelectric behaviours of lead-free Bi_{0.5}Na_{0.5}TiO₃â€“SrTiO₃ ceramics. Journal of Materials Chemistry C, 2020, 8, 2411-2418.	2.7	54
85	Hydrothermal synthesis and characterization of ZnGa2O4 phosphors. Materials Chemistry and Physics, 2006, 97, 247-251.	2.0	53
86	Coherent TiO₂/BaTiO₃ heterostructure as a functional reservoir and promoter for polysulfide intermediates. Chemical Communications, 2018, 54, 12250-12253.	2.2	53
87	Preparation and electrochemical properties of Li4Ti5O12 thin film electrodes by pulsed laser deposition. Journal of Power Sources, 2009, 193, 816-821.	4.0	52
88	Nitrogen-doped graphene derived from ionic liquid as metal-free catalyst for oxygen reduction reaction and its mechanisms. Applied Energy, 2018, 225, 513-521.	5.1	52
89	Solvothermal synthesis of nano-LiMnPO4 from Li3PO4 rod-like precursor: reaction mechanism and electrochemical properties. Journal of Materials Chemistry, 2012, 22, 25402.	6.7	51
90	BiOCl micro-assembles consisting of ultrafine nanoplates: A high performance electro-catalyst for air electrode of Alâ€“air batteries. Journal of Power Sources, 2014, 263, 37-45.	4.0	51

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91	Fabrication of LiF/Fe/Graphene Nanocomposites As Cathode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 892-897.	4.0	50
92	Characterising local environments in high energy density Li-ion battery cathodes: a combined NMR and first principles study of LiFe_xCo_{1â^'x}PO₄. Journal of Materials Chemistry A, 2014, 2, 11948-11957.	5.2	50
93	Self-supported nickel iron oxide nanospindles with high hydrophilicity for efficient oxygen evolution. Chemical Communications, 2019, 55, 10860-10863.	2.2	50
94	Cobalt-copper layered double hydroxide nanosheets as high performance bifunctional catalysts for rechargeable lithium-air batteries. Journal of Alloys and Compounds, 2016, 688, 380-387.	2.8	48
95	Decoupled Redox Catalytic Hydrogen Production with a Robust Electrolyte-Borne Electron and Proton Carrier. Journal of the American Chemical Society, 2021, 143, 223-231.	6.6	48
96	Designing Efficient Dual-Metal Single-Atom Electrocatalyst TMZnN₆ (TM = Mn, Fe, Co, Ni,) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	47
97	Microwave-assisted hydrothermal synthesis of porous SnO2 nanotubes and their lithium ion storage properties. Journal of Solid State Chemistry, 2012, 190, 104-110.	1.4	46
98	Solâ€“gel preparation and photoluminescence enhancement of Li+ and Eu3+ co-doped YPO4 nanophosphors. Optical Materials, 2010, 32, 857-861.	1.7	45
99	Co and N co-modified carbon nanotubes as efficient electrocatalyst for oxygen reduction reaction. Rare Metals, 2021, 40, 90-95.	3.6	45
100	Reversible aluminum ion storage mechanism in Ti-deficient rutile titanium dioxide anode for aqueous aluminum-ion batteries. Energy Storage Materials, 2021, 37, 619-627.	9.5	45
101	Lamellarly Stacking Porous N, P Coâ€Doped Mo₂C/C Nanosheets as High Performance Anode for Lithiumâ€Ion Batteries. Small, 2019, 15, e1805022.	5.2	43
102	The potential application of 2D Ti2CT2 (Tâ€¯=â€¯C, O and S) monolayer MXenes as anodes for Na-ion batteries: A theoretical study. Computational Materials Science, 2019, 163, 267-277.	1.4	43
103	Solid electrolyte interface stabilization via 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
104	Considerable photoluminescence enhancement of LiEu(MoO4)2 red phosphors via Bi and/or Si doping for white LEDs. Journal of Alloys and Compounds, 2015, 625, 355-361.	2.8	42
105	Low-Cost and Novel Si-Based Gel for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 10699-10707.	4.0	42
106	MoC ultrafine nanoparticles confined in porous graphitic carbon as extremely stable anode materials for lithium- and sodium-ion batteries. Inorganic Chemistry Frontiers, 2017, 4, 289-295.	3.0	42
107	Partially graphitic hierarchical porous carbon nanofiber for high performance supercapacitors and lithium ion batteries. Journal of Power Sources, 2020, 462, 228098.	4.0	42
108	Shape-controlled synthesis and characterization of InVO4 particles. Journal of Colloid and Interface Science, 2006, 295, 440-444.	5.0	41

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109	Synthesis and gas-sensing properties of CaSnO3 microcubes. Solid State Sciences, 2008, 10, 1042-1048.	1.5	41
110	Supramolecular hydrogel directed self-assembly of C- and N-doped hollow CuO as high-performance anode materials for Li-ion batteries. Chemical Communications, 2017, 53, 2138-2141.	2.2	41
111	A general aqueous solâ€“gel route to Ln₂Sn₂O₇nanocrystals. Nanotechnology, 2008, 19, 025706.	1.3	40
112	Redox of Dual-Radical Intermediates in a Methylene-Linked Covalent Triazine Framework for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 514-521.	4.0	40
113	Extra Sodiation Sites in Hard Carbon for High Performance Sodium Ion Batteries. Small Methods, 2021, 5, e2100580.	4.6	40
114	Efficient electroreduction of CO2 to CO by Ag-decorated S-doped g-C3N4/CNT nanocomposites at industrial scale current density. Materials Today Physics, 2020, 12, 100176.	2.9	39
115	Cobalt-Doped NiS₂ Micro/Nanostructures with Complete Solid Solubility as High-Performance Cathode Materials for Actual High-Specific-Energy Thermal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 50377-50387.	4.0	39
116	Hierarchical Doping Engineering with Active/Inert Dual Elements Stabilizes LiCoO₂ to 4.6ÂV. Advanced Energy Materials, 2022, 12, .	10.2	39
117	Periodic porous silicon thin films with interconnected channels as durable anode materials for lithium ion batteries. Materials Chemistry and Physics, 2014, 144, 25-30.	2.0	38
118	Conformal Coating of Heterogeneous CoO/Co Nanocomposites on Carbon Nanotubes as Efficient Bifunctional Electrocatalyst for Li-Air Batteries. Electrochimica Acta, 2016, 219, 560-567.	2.6	38
119	Enhanced electrochemical performance of solid PEO/LiClO4 electrolytes with a 3D porous Li6.28La3Zr2Al0.24O12 network. Composites Science and Technology, 2019, 184, 107863.	3.8	38
120	In situ assembly of MnO2 nanosheets on sulfur-embedded multichannel carbon nanofiber composites as cathodes for lithium-sulfur batteries. Science China Materials, 2020, 63, 728-738.	3.5	38
121	Facile synthesis and electrochemical characterization of hierarchical Î±-MnO2 spheres. Journal of Alloys and Compounds, 2008, 466, 250-257.	2.8	37
122	Facile synthesis and photocatalytic activity of hierarchical WO3 coreâ€“shell microspheres. Applied Surface Science, 2011, 258, 1719-1724.	3.1	36
123	Engineering Frenkel defects of anti-perovskite solid-state electrolytes and their applications in all-solid-state lithium-ion batteries. Chemical Communications, 2020, 56, 1251-1254.	2.2	36
124	Electrospun Nitrogenâ€Doped Carbon Nanofibers Encapsulating Cobalt Nanoparticles as Efficient Oxygen Reduction Reaction Catalysts. ChemElectroChem, 2016, 3, 1437-1445.	1.7	35
125	Oxygen-rich nanoflake-interlaced carbon microspheres for potassium-ion battery anodes. Chemical Communications, 2020, 56, 3433-3436.	2.2	35
126	Single-crystalline Li4Ti5O12 nanorods and their application in high rate capability Li4Ti5O12/LiMn2O4 full cells. Journal of Power Sources, 2013, 242, 222-229.	4.0	34

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127	Crystalâ€Face Tailored Graphitic Carbon Nitride Films for Highâ€Performance Photoelectrochemical Cells. ChemSusChem, 2018, 11, 2497-2501.	3.6	34
128	Scalable and controllable synthesis of multi-shell hollow carbon microspheres for high-performance supercapacitors. Carbon, 2019, 154, 330-341.	5.4	34
129	Synergistic Effects of C/Î±-MoC and Ag for Efficient Oxygen Reduction Reaction. Journal of Physical Chemistry Letters, 2018, 9, 779-784.	2.1	33
130	A high-rate cathode material hybridized by in-site grown Niâ€“Fe layered double hydroxides and carbon black nanoparticles. Journal of Materials Chemistry A, 2016, 4, 4877-4881.	5.2	32
131	Single-phase LiY(MoO 4) 2â^'x (WO 4) x :Dy 3+ , Eu 3+ phosphors with white luminescence for white LEDs. Materials Research Bulletin, 2016, 84, 429-436.	2.7	32
132	Na3NH2B12H12 as high performance solid electrolyte for all-solid-state Na-ion batteries. Journal of Power Sources, 2018, 396, 574-579.	4.0	32
133	Photoluminescence Enhancement of (La_{0.95}Eu_{0.05})₂Ti₂O₇ Nanophosphors via Li⁺ Doping. Journal of the American Ceramic Society, 2009, 92, 931-933.	1.9	31
134	Interfacial redox reaction-directed synthesis of silver@cerium oxide coreâ€“shell nanocomposites as catalysts for rechargeable lithiumâ€“air batteries. Journal of Power Sources, 2015, 286, 136-144.	4.0	31
135	Binder-free hydrogenated NiOâ€“CoO hybrid electrodes for high performance supercapacitors. RSC Advances, 2015, 5, 31725-31731.	1.7	31
136	V2O5-C-SnO2 Hybrid Nanobelts as High Performance Anodes for Lithium-ion Batteries. Scientific Reports, 2016, 6, 33597.	1.6	31
137	Rugated porous Fe3O4 thin films as stable binder-free anode materials for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 22692.	6.7	30
138	Hydrothermal-assisted ion exchange synthesis and photoluminescence of Li+ and Eu3+ co-doped NaLa(WO4)2 as near-UV type red phosphors. Journal of Luminescence, 2012, 132, 1220-1225.	1.5	30
139	Na3V2(PO4)3/C nanofiber bifunction as anode and cathode materials for sodium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 2985-2995.	1.2	30
140	Facile synthesis of ultrathin MoS₂/C nanosheets for use in sodium-ion batteries. RSC Advances, 2017, 7, 285-289.	1.7	30
141	Constructing stable covalent bonding in black phosphorus/reduced graphene oxide for lithium ion battery anodes. Chemical Communications, 2020, 56, 11613-11616.	2.2	30
142	Reticular chemistry in electrochemical carbon dioxide reduction. Science China Materials, 2020, 63, 1113-1141.	3.5	30
143	Porous graphitic carbon prepared from the catalytic carbonization of Mo-containing resin for supercapacitors. RSC Advances, 2014, 4, 13518.	1.7	29
144	Synergistic effects of Pdâ€“Ag bimetals and g-C3N4 photocatalysts for selective and efficient conversion of gaseous CO2. Journal of Power Sources, 2020, 466, 228306.	4.0	29

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145	Trimetallic Zeolitic imidazolite framework-derived Co nanoparticles@CoFe-nitrogen-doped porous carbon as bifunctional electrocatalysts for Zn-air battery. Journal of Colloid and Interface Science, 2021, 586, 621-629.	5.0	29
146	Regulating the radical intermediates by conjugated units in covalent organic frameworks for optimized lithium ion storage. Journal of Energy Chemistry, 2022, 69, 428-433.	7.1	29
147	Graphene oxide/poly(vinyl alcohol) hydrogels with good tensile properties and reusable adsorption properties. Plastics, Rubber and Composites, 2017, 46, 53-59.	0.9	28
148	Rapid microwave-assisted refluxing synthesis of hierarchical mulberry-shaped Na3V2(PO4)2O2F@C as high performance cathode for sodium & lithium-ion batteries. Science China Materials, 2019, 62, 474-486.	3.5	28
149	Dilute Aqueousâ€Aprotic Hybrid Electrolyte Enabling a Wide Electrochemical Window through Solvation Structure Engineering. Advanced Materials, 2021, 33, e2102390.	11.1	28
150	Encapsulated MnO in N-doping carbon nanofibers as efficient ORR electrocatalysts. Science China Materials, 2017, 60, 937-946.	3.5	27
151	Stabilizing the oxygen lattice and reversible oxygen redox in Na-deficient cathode oxides. Journal of Power Sources, 2019, 439, 227086.	4.0	27
152	Co single atoms and nanoparticles dispersed on N-doped carbon nanotube as high-performance catalysts for Zn-air batteries. Rare Metals, 2022, 41, 2055-2062.	3.6	27
153	In Situ Study of K⁺ Electrochemical Intercalating into MoS₂ Flakes. Journal of Physical Chemistry C, 2019, 123, 5067-5072.	1.5	26
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