

Ge-Ping Yin

List of Publications by Year in descending order

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351
papers

20,365
citations

11608

70
h-index

16605

123
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355
all docs

355
docs citations

355
times ranked

18310
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding and approaches for the durability issues of Pt-based catalysts for PEM fuel cell. Journal of Power Sources, 2007, 171, 558-566.	4.0	1,037
2	Nitrogen-doped carbon nanostructures and their composites as catalytic materials for proton exchange membrane fuel cell. Applied Catalysis B: Environmental, 2008, 79, 89-99.	10.8	710
3	Carbonized Nanoscale Metal-Organic Frameworks as High Performance Electrocatalyst for Oxygen Reduction Reaction. ACS Nano, 2014, 8, 12660-12668.	7.3	509
4	Proton exchange membrane fuel cell from low temperature to high temperature: Material challenges. Journal of Power Sources, 2007, 167, 235-242.	4.0	482
5	Durability Study of Pt-C and Pt-CNTs Catalysts under Simulated PEM Fuel Cell Conditions. Journal of the Electrochemical Society, 2006, 153, A1093.	1.3	384
6	Effect of carbon black support corrosion on the durability of Pt/C catalyst. Journal of Power Sources, 2007, 171, 331-339.	4.0	383
7	Graphene Decorated with PtAu Alloy Nanoparticles: Facile Synthesis and Promising Application for Formic Acid Oxidation. Chemistry of Materials, 2011, 23, 1079-1081.	3.2	366
8	Superior performance of ordered macroporous TiNb ₂ O ₇ anodes for lithium ion batteries: Understanding from the structural and pseudocapacitive insights on achieving high rate capability. Nano Energy, 2017, 34, 15-25.	8.2	351
9	Electrostatic Self-Assembly of a Pt-around-Au Nanocomposite with High Activity towards Formic Acid Oxidation. Angewandte Chemie - International Edition, 2010, 49, 2211-2214.	7.2	295
10	Comparative investigation of the resistance to electrochemical oxidation of carbon black and carbon nanotubes in aqueous sulfuric acid solution. Electrochimica Acta, 2006, 51, 5853-5857.	2.6	294
11	Polyelectrolyte-Induced Reduction of Exfoliated Graphite Oxide: A Facile Route to Synthesis of Soluble Graphene Nanosheets. ACS Nano, 2011, 5, 1785-1791.	7.3	293
12	Understanding undesirable anode lithium plating issues in lithium-ion batteries. RSC Advances, 2016, 6, 88683-88700.	1.7	292
13	Interface Issues and Challenges in All-Solid-State Batteries: Lithium, Sodium, and Beyond. Advanced Materials, 2021, 33, e2000721.	11.1	248
14	Evaluation of ZnO nanorod arrays with dandelion-like morphology as negative electrodes for lithium-ion batteries. Electrochimica Acta, 2009, 54, 2851-2855.	2.6	242
15	Radially Oriented Single-Crystal Primary Nanosheets Enable Ultrahigh Rate and Cycling Properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Cathode Material for Lithium-Ion Batteries. Advanced Energy Materials, 2019, 9, 1803963.	10.2	240
16	Surface regulation enables high stability of single-crystal lithium-ion cathodes at high voltage. Nature Communications, 2020, 11, 3050.	5.8	225
17	ZIF-8 with Ferrocene Encapsulated: A Promising Precursor to Single-Atom Fe Embedded Nitrogen-Doped Carbon as Highly Efficient Catalyst for Oxygen Electroreduction. Small, 2018, 14, e1704282.	5.2	202
18	Ultrahigh stable carbon riveted Pt/TiO ₂ -C catalyst prepared by in situ carbonized glucose for proton exchange membrane fuel cell. Energy and Environmental Science, 2011, 4, 728-735.	15.6	189

#	ARTICLE	IF	CITATIONS
19	Three dimensional N-doped graphene/PtRu nanoparticle hybrids as high performance anode for direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3719.	5.2	183
20	Recent progress in nanostructured electrocatalysts for PEM fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4631.	5.2	172
21	Nanosized core/shell silicon@carbon anode material for lithium ion batteries with polyvinylidene fluoride as carbon source. <i>Journal of Materials Chemistry</i> , 2010, 20, 3216.	6.7	168
22	Pseudocapacitive Li ⁺ intercalation in porous Ti ₂ Nb ₁₀ O ₂₉ nanospheres enables ultra-fast lithium storage. <i>Energy Storage Materials</i> , 2018, 11, 57-66.	9.5	163
23	Carbon nanotubes decorated with Pt nanoparticles via electrostatic self-assembly: a highly active oxygen reduction electrocatalyst. <i>Journal of Materials Chemistry</i> , 2010, 20, 2826.	6.7	153
24	Advanced catalyst supports for PEM fuel cell cathodes. <i>Nano Energy</i> , 2016, 29, 314-322.	8.2	146
25	Nitrogen-doped graphitized carbon shell encapsulated NiFe nanoparticles: A highly durable oxygen evolution catalyst. <i>Nano Energy</i> , 2017, 39, 245-252.	8.2	143
26	Nanoporous PdNi Alloy Nanowires As Highly Active Catalysts for the Electro-Oxidation of Formic Acid. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 105-109.	4.0	142
27	High-rate capability of three-dimensionally ordered macroporous T-Nb ₂ O ₅ through Li ⁺ intercalation pseudocapacitance. <i>Journal of Power Sources</i> , 2017, 361, 80-86.	4.0	139
28	High loading single-atom Cu dispersed on graphene for efficient oxygen reduction reaction. <i>Nano Energy</i> , 2019, 66, 104088.	8.2	138
29	Fluoroethylene carbonate as electrolyte additive to improve low temperature performance of LiFePO ₄ electrode. <i>Electrochimica Acta</i> , 2013, 87, 466-472.	2.6	137
30	Facile synthesis of PtAu alloy nanoparticles with high activity for formic acid oxidation. <i>Journal of Power Sources</i> , 2010, 195, 1103-1106.	4.0	133
31	Effects of temperature on charge/discharge behaviors of LiFePO ₄ cathode for Li-ion batteries. <i>Electrochimica Acta</i> , 2012, 60, 269-273.	2.6	133
32	Investigation of Further Improvement of Platinum Catalyst Durability with Highly Graphitized Carbon Nanotubes Support. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5784-5789.	1.5	130
33	Improved electrochemical performance of micro-sized SiO ₂ -based composite anode by prelithiation of stabilized lithium metal powder. <i>Journal of Power Sources</i> , 2017, 347, 170-177.	4.0	129
34	Fabrication of CuO film with network-like architectures through solution-immersion and their application in lithium ion batteries. <i>Journal of Power Sources</i> , 2007, 167, 206-211.	4.0	126
35	Insights into interfacial effect and local lithium-ion transport in polycrystalline cathodes of solid-state batteries. <i>Nature Communications</i> , 2020, 11, 5700.	5.8	122
36	Achieving long-life Prussian blue analogue cathode for Na-ion batteries via triple-cation lattice substitution and coordinated water capture. <i>Nano Energy</i> , 2019, 61, 201-210.	8.2	121

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37	Ti-Based Oxide Anode Materials for Advanced Electrochemical Energy Storage: Lithium/Sodium Ion Batteries and Hybrid Pseudocapacitors. <i>Small</i> , 2019, 15, e1904740.	5.2	121
38	Enabling reliable lithium metal batteries by a bifunctional anionic electrolyte additive. <i>Energy Storage Materials</i> , 2018, 11, 197-204.	9.5	117
39	Multi-walled carbon nanotubes based Pt electrodes prepared with in situ ion exchange method for oxygen reduction. <i>Journal of Power Sources</i> , 2006, 161, 47-53.	4.0	114
40	Facile synthesis of nanostructured TiNb_2O_7 anode materials with superior performance for high-rate lithium ion batteries. <i>Chemical Communications</i> , 2015, 51, 17293-17296.	2.2	108
41	Carbon riveted microcapsule Pt/MWCNTs-TiO ₂ catalyst prepared by in situ carbonized glucose with ultrahigh stability for proton exchange membrane fuel cell. <i>Energy and Environmental Science</i> , 2011, 4, 2558.	15.6	105
42	Electrocatalytic valorisation of biomass derived chemicals. <i>Catalysis Science and Technology</i> , 2018, 8, 3216-3232.	2.1	105
43	Self-assembly of Pt nanoparticles on highly graphitized carbon nanotubes as an excellent oxygen-reduction catalyst. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 372-377.	10.8	104
44	Lithium-rich $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54}\text{O}_2$ oxide coated by Li_3PO_4 and carbon nanocomposite layers as high performance cathode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2634-2641.	5.2	103
45	Active and Stable Pt-Ni Alloy Octahedra Catalyst for Oxygen Reduction via Near-Surface Atomical Engineering. <i>ACS Catalysis</i> , 2020, 10, 4205-4214.	5.5	98
46	Oxygen vacancies in SnO ₂ surface coating to enhance the activation of layered Li-Rich $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ cathode material for Li-ion batteries. <i>Journal of Power Sources</i> , 2016, 331, 91-99.	4.0	95
47	A two-dimensional nitrogen-rich carbon/silicon composite as high performance anode material for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2018, 341, 37-46.	6.6	95
48	Substrate strain tunes operando geometric distortion and oxygen reduction activity of Cu_2C_2 single-atom sites. <i>Nature Communications</i> , 2021, 12, 6335.	5.8	95
49	Ethanol-assisted hydrothermal synthesis of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ with excellent long-term cyclability at high rate for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4185-4191.	5.2	94
50	Unravelling the origin of irreversible capacity loss in NaNiO_2 for high voltage sodium ion batteries. <i>Nano Energy</i> , 2017, 34, 215-223.	8.2	94
51	A Mild Surface Washing Method Using Protonated Polyaniline for Ni-rich $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ Material of Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2017, 248, 534-540.	2.6	89
52	Micro-sized spherical silicon@carbon@graphene prepared by spray drying as anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 723, 434-440.	2.8	89
53	Flower-like CuO film-electrode for lithium ion batteries and the effect of surface morphology on electrochemical performance. <i>Electrochimica Acta</i> , 2007, 53, 951-956.	2.6	88
54	Capacity fading mechanism during long-term cycling of over-discharged LiCoO_2 /mesocarbon microbeads battery. <i>Journal of Power Sources</i> , 2015, 293, 1006-1015.	4.0	88

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55	Stabilization of platinum nanoparticle electrocatalysts for oxygen reduction using poly(diallyldimethylammonium chloride). <i>Journal of Materials Chemistry</i> , 2009, 19, 7995.	6.7	87
56	Multi-stress factor model for cycle lifetime prediction of lithium ion batteries with shallow-depth discharge. <i>Journal of Power Sources</i> , 2015, 279, 123-132.	4.0	87
57	Facilitating the redox reaction of polysulfides by an electrocatalytic layer-modified separator for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10936-10945.	5.2	87
58	Recent progress of Prussian blue analogues as cathode materials for nonaqueous sodium-ion batteries. <i>Coordination Chemistry Reviews</i> , 2022, 460, 214478.	9.5	87
59	Synergistic engineering of defects and architecture in Co ₃ O ₄ @C nanosheets toward Li/Na ion batteries with enhanced pseudocapacitances. <i>Nano Energy</i> , 2020, 78, 105366.	8.2	86
60	Bifunctional LaMn _{0.3} Co _{0.7} O ₃ Perovskite Oxide Catalyst for Oxygen Reduction and Evolution Reactions: The Optimized Electronic Structures by Manganese Dopant. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24717-24725.	4.0	85
61	Iodine-doped sulfurized polyacrylonitrile with enhanced electrochemical performance for room-temperature sodium/potassium sulfur batteries. <i>Chemical Communications</i> , 2019, 55, 5267-5270.	2.2	83
62	Facile fabrication of a nanoporous silicon electrode with superior stability for lithium ion batteries. <i>Energy and Environmental Science</i> , 2011, 4, 1037.	15.6	80
63	Polyaniline-encapsulated silicon on three-dimensional carbon nanotubes foam with enhanced electrochemical performance for lithium-ion batteries. <i>Journal of Power Sources</i> , 2018, 381, 156-163.	4.0	80
64	Polyvinylpyrrolidone-Coordinated Single-Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15902-15907.	7.2	80
65	Boron-doped graphene as promising support for platinum catalyst with superior activity towards the methanol electrooxidation reaction. <i>Journal of Power Sources</i> , 2015, 300, 245-253.	4.0	79
66	Structural Distortion Induced by Manganese Activation in a Lithium-Rich Layered Cathode. <i>Journal of the American Chemical Society</i> , 2020, 142, 14966-14973.	6.6	79
67	Pt decorated Ti ₃ C ₂ MXene for enhanced methanol oxidation reaction. <i>Ceramics International</i> , 2019, 45, 2411-2417.	2.3	76
68	High-performance LiFePO ₄ cathode material from FePO ₄ microspheres with carbon nanotube networks embedded for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 223, 100-106.	4.0	75
69	An Li-rich oxide cathode material with mosaic spinel grain and a surface coating for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15640.	5.2	75
70	A dual-salt coupled fluoroethylene carbonate succinonitrile-based electrolyte enables Li-metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2066-2073.	5.2	75
71	A dynamic Ni(OH) ₂ -NiOOH/NiFeP heterojunction enabling high-performance E-upgrading of hydroxymethylfurfural. <i>Applied Catalysis B: Environmental</i> , 2022, 311, 121357.	10.8	75
72	Engineering Molecular Polymerization for Template-Free SiO _x /C Hollow Spheres as Ultrastable Anodes in Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101145.	7.8	74

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73	Palladium nanocrystals-embedded mesoporous hollow carbon spheres with enhanced electrochemical kinetics for high performance lithium sulfur batteries. <i>Carbon</i> , 2019, 143, 878-889.	5.4	70
74	Carbon nanotubes supported Pt@Au catalysts for methanol-tolerant oxygen reduction reaction: A comparison between Pt/Au and PtAu nanoparticles. <i>Journal of Power Sources</i> , 2009, 194, 668-673.	4.0	69
75	State of health diagnosis model for lithium ion batteries based on real-time impedance and open circuit voltage parameters identification method. <i>Energy</i> , 2018, 144, 647-656.	4.5	69
76	Dendrites in Solid State Batteries: Ion Transport Behavior, Advanced Characterization, and Interface Regulation. <i>Advanced Energy Materials</i> , 2021, 11, 2003250.	10.2	69
77	Highly efficient and stable nonplatinum anode catalyst with Au@Pd core-shell nanostructures for methanol electrooxidation. <i>Journal of Catalysis</i> , 2012, 295, 217-222.	3.1	68
78	1,3,6-Hexanetricarbonitrile as electrolyte additive for enhancing electrochemical performance of high voltage Li-rich layered oxide cathode. <i>Journal of Power Sources</i> , 2017, 361, 227-236.	4.0	68
79	Looking into the Active Moieties of Metal Oxides (X = Phosphorus, Sulfur, Nitrogen, and Carbon) Toward Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2102918.	7.8	68
80	Ultrathin Si Nanosheets Dispersed in Graphene Matrix Enable Stable Interface and High Rate Capability of Anode for Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	67
81	Ab Initio Investigations of the Electric Field Dependence of the Geometric and Electronic Structures of Molecular Wires. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11130-11135.	1.1	66
82	Pd nanoparticles deposited on vertically aligned carbon nanotubes grown on carbon paper for formic acid oxidation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8270-8275.	3.8	66
83	A novel CNT@SnO ₂ core-shell nanocomposite as a stabilizing support for catalysts of proton exchange membrane fuel cells. <i>Electrochemistry Communications</i> , 2009, 11, 496-498.	2.3	66
84	Improved electrochemical performance and capacity fading mechanism of nano-sized LiMn _{0.9} Fe _{0.1} PO ₄ cathode modified by polyacene coating. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1569-1579.	5.2	64
85	Modification of Nafion membrane using fluorocarbon surfactant for all vanadium redox flow battery. <i>Journal of Membrane Science</i> , 2015, 476, 20-29.	4.1	64
86	Ni-MOF derived NiO/C nanospheres grown in situ on reduced graphene oxide towards high performance hybrid supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 801, 158-165.	2.8	64
87	Electrochemical stability of silicon/carbon composite anode for lithium ion batteries. <i>Electrochimica Acta</i> , 2007, 52, 4878-4883.	2.6	63
88	A novel Pt/Au/C cathode catalyst for direct methanol fuel cells with simultaneous methanol tolerance and oxygen promotion. <i>Electrochemistry Communications</i> , 2008, 10, 831-834.	2.3	63
89	Free-Standing Sandwich-Type Graphene/Nanocellulose/Silicon Laminate Anode for Flexible Rechargeable Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29638-29646.	4.0	63
90	Covalently-functionalizing synthesis of Si@C core-shell nanocomposites as high-capacity anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 15692.	6.7	62

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91	Al ₂ O ₃ Coated Concentration-Gradient Li[Ni _{0.73} Co _{0.12} Mn _{0.15}]O ₂ Cathode Material by Freeze Drying for Long-Life Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2015, 174, 1185-1191.	2.6	61
92	Electronically Conductive Sb-doped SnO ₂ Nanoparticles Coated LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ Cathode Material with Enhanced Electrochemical Properties for Li-ion Batteries. <i>Electrochimica Acta</i> , 2017, 236, 273-279.	2.6	61
93	Understanding the initial irreversibility of metal sulfides for sodium-ion batteries via operando techniques. <i>Nano Energy</i> , 2018, 43, 184-191.	8.2	61
94	Progressive concentration gradient nickel-rich oxide cathode material for high-energy and long-life lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7728-7735.	5.2	61
95	Boron, nitrogen co-doped graphene: a superior electrocatalyst support and enhancing mechanism for methanol electrooxidation. <i>Electrochimica Acta</i> , 2016, 212, 313-321.	2.6	60
96	Effects of fluoroethylene carbonate on low temperature performance of mesocarbon microbeads anode. <i>Electrochimica Acta</i> , 2012, 74, 260-266.	2.6	59
97	Pd-around-CeO ₂ hybrid nanostructure catalyst: three-phase-transfer synthesis, electrocatalytic properties and dual promoting mechanism. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1429-1435.	5.2	58
98	Inducing uniform lithium nucleation by integrated lithium-rich Li-in anode with lithiophilic 3D framework. <i>Energy Storage Materials</i> , 2020, 33, 423-431.	9.5	56
99	The effects of LiBOB additive for stable SEI formation of PP13TFSI-organic mixed electrolyte in lithium ion batteries. <i>Electrochimica Acta</i> , 2011, 56, 4841-4848.	2.6	53
100	A facile strategy to prepare nano-crystalline Li ₄ Ti ₅ O ₁₂ /C anode material via polyvinyl alcohol as carbon source for high-rate rechargeable Li-ion batteries. <i>Electrochimica Acta</i> , 2013, 93, 173-178.	2.6	53
101	Low-Temperature Solution Synthesis of Black Phosphorus from Red Phosphorus: Crystallization Mechanism and Lithium Ion Battery Applications. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2708-2716.	2.1	52
102	Intercalation pseudocapacitive electrochemistry of Nb-based oxides for fast charging of lithium-ion batteries. <i>Nano Energy</i> , 2021, 81, 105635.	8.2	52
103	Conformational analysis of diphenylacetylene under the influence of an external electric field. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1186.	1.3	51
104	Improving electrochemical performance of NiO films by electrodeposition on foam nickel substrates. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1597-1602.	1.5	51
105	Effect of a Carbon Support Containing Large Mesopores on the Performance of a Pt ^{*/} Ru ^{*/} Ni/C Catalyst for Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 672-677.	1.5	51
106	Changes of Degradation Mechanisms of LiFePO ₄ /Graphite Batteries Cycled at Different Ambient Temperatures. <i>Electrochimica Acta</i> , 2017, 237, 248-258.	2.6	51
107	A three-dimensional silicon/nitrogen-doped graphitized carbon composite as high-performance anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 777, 190-197.	2.8	51
108	Hierarchical ordered macroporous/ultrathin mesoporous carbon architecture: A promising cathode scaffold with excellent rate performance for rechargeable Li-O ₂ batteries. <i>Carbon</i> , 2017, 118, 139-147.	5.4	50

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109	Engineering of Nitrogen Coordinated Single Cobalt Atom Moieties for Oxygen Electroreduction. ACS Applied Materials & Interfaces, 2019, 11, 41258-41266.	4.0	50
110	Interrelated interfacial issues between a $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ -based garnet electrolyte and Li anode in the solid-state lithium battery: a review. Journal of Materials Chemistry A, 2021, 9, 5952-5979.	5.2	50
111	Low-cost and durable catalyst support for fuel cells: Graphite submicronparticles. Journal of Power Sources, 2010, 195, 457-460.	4.0	49
112	Polyelectrolyte Assisted Synthesis and Enhanced Oxygen Reduction Activity of Pt Nanocrystals with Controllable Shape and Size. ACS Applied Materials & Interfaces, 2014, 6, 14043-14049.	4.0	49
113	A bifunctional perovskite oxide catalyst: The triggered oxygen reduction/evolution electrocatalysis by moderated Mn-Ni co-doping. Journal of Energy Chemistry, 2021, 54, 217-224.	7.1	49
114	In-situ thermal polymerization boosts succinonitrile-based composite solid-state electrolyte for high performance Li-metal battery. Journal of Power Sources, 2021, 496, 229861.	4.0	49
115	Role of Pt-pyridinic nitrogen sites in methanol oxidation on Pt/polypyrrole-carbon black Catalyst. Journal of Power Sources, 2012, 197, 44-49.	4.0	48
116	Enhancing electrochemical detection of dopamine via dumbbell-like $\text{FePt@Fe}_3\text{O}_4$ nanoparticles. Nanoscale, 2017, 9, 1022-1027.	2.8	48
117	Tailoring the stability of Fe-N-C via pyridinic nitrogen for acid oxygen reduction reaction. Chemical Engineering Journal, 2022, 437, 135320.	6.6	48
118	Investigation on performance of $\text{Pd/Al}_2\text{O}_3$ catalyst synthesized by microwave assisted polyol process for electrooxidation of formic acid. RSC Advances, 2012, 2, 344-350.	1.7	47
119	Enhancement of high voltage cycling performance and thermal stability of $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ cathode by use of boron-based additives. Solid State Ionics, 2014, 263, 146-151.	1.3	47
120	Unravelling the Interface Layer Formation and Gas Evolution/Suppression on a TiNb_2O_7 Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 27056-27062.	4.0	47
121	Iron sulfide/carbon hybrid cluster as an anode for potassium-ion storage. Journal of Alloys and Compounds, 2018, 766, 1086-1091.	2.8	47
122	Superior catalytic performance and CO tolerance of Ru@Pt/C-TiO_2 electrocatalyst toward methanol oxidation reaction. Applied Surface Science, 2019, 473, 943-950.	3.1	47
123	Electrochemical durability investigation of single-walled and multi-walled carbon nanotubes under potentiostatic conditions. Journal of Power Sources, 2008, 176, 128-131.	4.0	46
124	Oxygen Reduction Kinetics on Pt Monolayer Shell Highly Affected by the Structure of Bimetallic AuNi Cores. Chemistry of Materials, 2016, 28, 5274-5281.	3.2	46
125	Stable Silicon Anodes by Molecular Layer Deposited Artificial Zincone Coatings. Advanced Functional Materials, 2021, 31, 2010526.	7.8	46
126	Realizing Solid-Phase Reaction in Li-S Batteries via Localized High-Concentration Carbonate Electrolyte. Advanced Energy Materials, 2021, 11, 2101004.	10.2	46

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127	Investigations of Compositions and Performance of PtRuMo/C Ternary Catalysts for Methanol Electrooxidation. <i>Fuel Cells</i> , 2009, 9, 106-113.	1.5	45
128	Influence of fluoroethylene carbonate as co-solvent on the high-voltage performance of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 191, 8-15.	2.6	45
129	Phosphorus-doped graphene support to enhance electrocatalysis of methanol oxidation reaction on platinum nanoparticles. <i>Chemical Physics Letters</i> , 2017, 687, 1-8.	1.2	45
130	Pseudocapacitive Li ⁺ storage boosts ultrahigh rate performance of structure-tailored CoFe ₂ O ₄ @Fe ₂ O ₃ hollow spheres triggered by engineered surface and near-surface reactions. <i>Nano Energy</i> , 2019, 66, 104179.	8.2	45
131	Hydrothermal-assisted sol-gel synthesis of Li ₄ Ti ₅ O ₁₂ /C nano-composite for high-energy lithium-ion batteries. <i>Solid State Ionics</i> , 2013, 244, 52-56.	1.3	44
132	Changing of SEI Film and Electrochemical Properties about MCMB Electrodes during Long-Term Charge/Discharge Cycles. <i>Journal of the Electrochemical Society</i> , 2013, 160, A2093-A2099.	1.3	44
133	Pt/Tin Oxide/Carbon Nanocomposites as Promising Oxygen Reduction Electrocatalyst with Improved Stability and Activity. <i>Electrochimica Acta</i> , 2014, 117, 413-419.	2.6	44
134	Metal-Organic Coordination Networks: Prussian Blue and Its Synergy with Pt Nanoparticles to Enhance Oxygen Reduction Kinetics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15250-15257.	4.0	44
135	A New Anion Receptor for Improving the Interface between Lithium- and Manganese-Rich Layered Oxide Cathode and the Electrolyte. <i>Chemistry of Materials</i> , 2017, 29, 2141-2149.	3.2	44
136	The Enhanced CO Tolerance of Platinum Supported on FeP Nanosheet for Superior Catalytic Activity Toward Methanol Oxidation. <i>Electrochimica Acta</i> , 2017, 254, 36-43.	2.6	44
137	Ascorbic acid-assisted solvothermal synthesis of LiMn _{0.9} Fe _{0.1} PO ₄ /C nanoplatelets with enhanced electrochemical performance for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 243, 872-879.	4.0	43
138	The effect of elevated temperature on the accelerated aging of LiCoO ₂ /mesocarbon microbeads batteries. <i>Applied Energy</i> , 2016, 177, 1-10.	5.1	43
139	Anisotropically Electrochemical-Mechanical Evolution in Solid-State Batteries and Interfacial Tailored Strategy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18647-18653.	7.2	43
140	Simple annealing process for performance improvement of silicon anode based on polyvinylidene fluoride binder. <i>Journal of Power Sources</i> , 2010, 195, 2069-2073.	4.0	42
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