

# Zhen-Bo Wang

## List of Publications by Year in descending order

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256  
papers

12,228  
citations

23544

58  
h-index

37183

96  
g-index

257  
all docs

257  
docs citations

257  
times ranked

11770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomically dispersed manganese catalysts for oxygen reduction in proton-exchange membrane fuel cells. <i>Nature Catalysis</i> , 2018, 1, 935-945.	16.1	1,075
2	Proton exchange membrane fuel cell from low temperature to high temperature: Material challenges. <i>Journal of Power Sources</i> , 2007, 167, 235-242.	4.0	482
3	Effect of carbon black support corrosion on the durability of Pt/C catalyst. <i>Journal of Power Sources</i> , 2007, 171, 331-339.	4.0	383
4	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN <sub>4</sub> Sites for Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18971-18980.	7.2	362
5	A high energy density aqueous hybrid supercapacitor with widened potential window through multi approaches. <i>Nano Energy</i> , 2019, 59, 41-49.	8.2	203
6	A Novel Structural Design of a Pt/CeO <sub>2</sub> Catalyst with Improved Performance for Methanol Electrooxidation by $\beta$ -Cyclodextrin Carbonization. <i>Advanced Materials</i> , 2011, 23, 3100-3104.	11.1	201
7	Ultrahigh stable carbon riveted Pt/TiO <sub>2</sub> -C catalyst prepared by in situ carbonized glucose for proton exchange membrane fuel cell. <i>Energy and Environmental Science</i> , 2011, 4, 728-735.	15.6	189
8	Super long-life all solid-state asymmetric supercapacitor based on NiO nanosheets and $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanorods. <i>Chemical Engineering Journal</i> , 2016, 306, 193-203.	6.6	169
9	Template-guided synthesis of Co nanoparticles embedded in hollow nitrogen doped carbon tubes as a highly efficient catalyst for rechargeable Zn-air batteries. <i>Nano Energy</i> , 2020, 71, 104592.	8.2	157
10	Single-site pyrrolic-nitrogen-doped sp <sup>2</sup> -hybridized carbon materials and their pseudocapacitance. <i>Nature Communications</i> , 2020, 11, 3884.	5.8	152
11	Supramolecular assembly promoted synthesis of three-dimensional nitrogen doped graphene frameworks as efficient electrocatalyst for oxygen reduction reaction and methanol electrooxidation. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 224-233.	10.8	131
12	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
13	Studies on stability and capacity for long-life cycle performance of Li(Ni <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> )O <sub>2</sub> by Mo modification for lithium-ion battery. <i>Journal of Power Sources</i> , 2017, 358, 1-12.	4.0	130
14	Electrochemical impedance studies on carbon supported PtRuNi and PtRu anode catalysts in acid medium for direct methanol fuel cell. <i>Journal of Power Sources</i> , 2007, 165, 9-15.	4.0	127
15	Metal-Organic Frameworks and Their Derived Materials as Electrocatalysts and Photocatalysts for CO <sub>2</sub> Reduction: Progress, Challenges, and Perspectives. <i>Chemistry - A European Journal</i> , 2018, 24, 18137-18157.	1.7	117
16	Materializing efficient methanol oxidation via electron delocalization in nickel hydroxide nanoribbon. <i>Nature Communications</i> , 2020, 11, 4647.	5.8	117
17	Self-Templated Hierarchically Porous Carbon Nanorods Embedded with Atomic FeN <sub>4</sub> Active Sites as Efficient Oxygen Reduction Electrocatalysts in Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2008085.	7.8	117
18	Carbon riveted microcapsule Pt/MWCNTs-TiO <sub>2</sub> 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

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19	Effect of Ni on PtRu/C Catalyst Performance for Ethanol Electrooxidation in Acidic Medium. Journal of Physical Chemistry C, 2008, 112, 6582-6587.	1.5	100
20	Methanol oxidation on Pt/CeO <sub>2</sub> @C electrocatalyst prepared by microwave-assisted ethylene glycol process. Applied Catalysis B: Environmental, 2011, 102, 9-18.	10.8	98
21	Interfacial and Electronic Modulation via Localized Sulfurization for Boosting Lithium Storage Kinetics. Advanced Materials, 2020, 32, e2000151.	11.1	98
22	Investigation of ethanol electrooxidation on a Pt@Ru@Ni/C catalyst for a direct ethanol fuel cell. Journal of Power Sources, 2006, 160, 37-43.	4.0	97
23	Durability studies on performance degradation of Pt/C catalysts of proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2009, 34, 4387-4394.	3.8	96
24	Electrochemical studies of Pt/Ir@IrO <sub>2</sub> electrocatalyst as a bifunctional oxygen electrode. International Journal of Hydrogen Energy, 2012, 37, 59-67.	3.8	95
25	Self-assembling hierarchical NiCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> nanosheets and MoO <sub>3</sub> /PPy core-shell heterostructured nanobelts for supercapacitor. Chemical Engineering Journal, 2017, 312, 296-305.	6.6	95
26	Ethanol-assisted hydrothermal synthesis of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> with excellent long-term cyclability at high rate for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 4185-4191.	5.2	94
27	Synthesis and characterization of PtRuMo/C nanoparticle electrocatalyst for direct ethanol fuel cell. Journal of Power Sources, 2007, 170, 242-250.	4.0	92
28	Advanced non-noble materials in bifunctional catalysts for ORR and OER toward aqueous metal-air batteries. Nanoscale, 2020, 12, 21534-21559.	2.8	91
29	Investigation on CaTiO <sub>2</sub> nanotubes composite as Pt catalyst support for methanol electrooxidation. Journal of Power Sources, 2014, 255, 43-51.	4.0	88
30	Dual conductive surface engineering of Li-Rich oxides cathode for superior high-energy-density Li-Ion batteries. Nano Energy, 2019, 59, 527-536.	8.2	88
31	Pt/porous-IrO <sub>2</sub> nanocomposite as promising electrocatalyst for unitized regenerative fuel cell. Electrochemistry Communications, 2012, 14, 63-66.	2.3	87
32	Elastic soft hydrogel supercapacitor for energy storage. Journal of Materials Chemistry A, 2017, 5, 24942-24950.	5.2	87
33	Local electronic structure modulation enhances operating voltage in Li-rich cathodes. Nano Energy, 2019, 66, 104102.	8.2	87
34	Layered-spinel capped nanotube assembled 3D Li-rich hierarchitectures for high performance Li-ion battery cathodes. Journal of Materials Chemistry A, 2016, 4, 18416-18425.	5.2	86
35	High energy and power lithium-ion capacitors based on Mn <sub>3</sub> O <sub>4</sub> /3D-graphene as anode and activated polyaniline-derived carbon nanorods as cathode. Chemical Engineering Journal, 2019, 370, 1485-1492.	6.6	86
36	Effects of ozone treatment of carbon support on Pt@Ru/C catalysts performance for direct methanol fuel cell. Carbon, 2006, 44, 133-140.	5.4	85

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37	Investigation of PtNi/C anode electrocatalysts for direct borohydride fuel cell. <i>Journal of Power Sources</i> , 2010, 195, 185-189.	4.0	85
38	Pseudocapacitance of TiO <sub>2</sub> /CNT Anodes for High-Performance Quasi-Solid-State Li-Ion and Na-Ion Capacitors. <i>Small</i> , 2018, 14, e1704508.	5.2	85
39	Honeycomb-like mesoporous nitrogen-doped carbon supported Pt catalyst for methanol electrooxidation. <i>Carbon</i> , 2015, 93, 1050-1058.	5.4	84
40	Multiwall-carbon nanotube modified by N-doped carbon quantum dots as Pt catalyst support for methanol electrooxidation. <i>Journal of Power Sources</i> , 2015, 289, 63-70.	4.0	83
41	In Situ Growth of Free-Standing All Metal Oxide Asymmetric Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26019-26029.	4.0	80
42	3D Hierarchical Pt-Nitrogen-Doped-Graphene-Carbonized Commercially Available Sponge as a Superior Electrocatalyst for Low-Temperature Fuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16026-16034.	4.0	80
43	Controllable synthesis of hierarchical ball-in-ball hollow microspheres for a high performance layered Li-rich oxide cathode material. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9365-9376.	5.2	79
44	Advanced Support Materials and Interactions for Atomically Dispersed Noble-Metal Catalysts: From Support Effects to Design Strategies. <i>Advanced Energy Materials</i> , 2022, 12, 2102556.	10.2	78
45	Robust and Conductive Na <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> Nanowire Arrays for High-Performance Flexible Sodium-Ion Capacitor. <i>Chemistry of Materials</i> , 2017, 29, 9133-9141.	3.2	77
46	A sponge-templated sandwich-like cobalt-embedded nitrogen-doped carbon polyhedron/graphene composite as a highly efficient catalyst for Zn-air batteries. <i>Nanoscale</i> , 2020, 12, 973-982.	2.8	74
47	Facile one-pot synthesis of Pt/graphene-TiO <sub>2</sub> hybrid catalyst with enhanced methanol electrooxidation performance. <i>Journal of Power Sources</i> , 2015, 279, 210-217.	4.0	72
48	Performance of Pt/C catalysts prepared by microwave-assisted polyol process for methanol electrooxidation. <i>Journal of Power Sources</i> , 2010, 195, 1799-1804.	4.0	71
49	Advanced deformable all-in-one hydrogel supercapacitor based on conducting polymer: Toward integrated mechanical and capacitive performance. <i>Journal of Alloys and Compounds</i> , 2019, 805, 1044-1051.	2.8	71
50	1D N-doped hierarchically porous hollow carbon tubes derived from a supramolecular template as metal-free electrocatalysts for a highly efficient oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6212-6219.	5.2	69
51	Binder-free V <sub>2</sub> O <sub>5</sub> /CNT paper electrode for high rate performance zinc ion battery. <i>Nanoscale</i> , 2019, 11, 19723-19728.	2.8	68
52	Hybrid of carbon-supported Pt nanoparticles and three dimensional graphene aerogel as high stable electrocatalyst for methanol electrooxidation. <i>Electrochimica Acta</i> , 2016, 189, 175-183.	2.6	65
53	The influence of anode gas diffusion layer on the performance of low-temperature DMFC. <i>Journal of Power Sources</i> , 2007, 168, 453-458.	4.0	64
54	Carbon riveted Pt/C catalyst with high stability prepared by in situ carbonized glucose. <i>Chemical Communications</i> , 2010, 46, 6998.	2.2	64

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55	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
56	3D ultralong nanowire arrays with a tailored hydrogen titanate phase as binder-free anodes for Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8716-8723.	5.2	63
57	Facile synthesis of hollow spherical sandwich PtPd/C catalyst by electrostatic self-assembly in polyol solution for methanol electrooxidation. <i>Journal of Power Sources</i> , 2012, 203, 17-25.	4.0	62
58	Materials Engineering toward Durable Electrocatalysts for Proton Exchange Membrane Fuel Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	61
59	Effects of hot pressing conditions on the performances of MEAs for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2007, 165, 73-81.	4.0	58
60	Nitrogen-doped carbon nanotubes for high-performance platinum-based catalysts in methanol oxidation reaction. <i>Carbon</i> , 2016, 108, 561-567.	5.4	57
61	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN <sub>4</sub> Sites for Oxygen Reduction. <i>Angewandte Chemie</i> , 2019, 131, 19147-19156.	1.6	57
62	Synergistic effects of ion doping and surface-modifying for lithium transition-metal oxide: Synthesis and characterization of La <sub>2</sub> O <sub>3</sub> -modified LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> . <i>Electrochimica Acta</i> , 2018, 272, 11-21.	2.6	56
63	Co-regulating the surface and bulk structure of Li-rich layered oxides by a phosphor doping strategy for high-energy Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8302-8314.	5.2	56
64	Facile one-step carbothermal reduction synthesis of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> /C serving as cathode for sodium ion batteries. <i>Electrochimica Acta</i> , 2019, 298, 459-467.	2.6	56
65	Preparation of Pt/Irx(IrO <sub>2</sub> ) <sub>10</sub> <sup>x</sup> bifunctional oxygen catalyst for unitized regenerative fuel cell. <i>Journal of Power Sources</i> , 2012, 210, 321-326.	4.0	55
66	A newly-designed sandwich-structured graphene@Pt/graphene catalyst with improved electrocatalytic performance for fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5313-5320.	5.2	55
67	Crystal structure and multicomponent effects in Li <sub>1+x</sub> Mn <sub>2-x</sub> Al <sub>y</sub> O <sub>4</sub> cathode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2014, 262, 104-111.	4.0	54
68	Investigation on performance of Li(Ni <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> ) <sub>1-x</sub> Ti <sub>x</sub> O <sub>2</sub> cathode materials for lithium-ion battery. <i>Ceramics International</i> , 2015, 41, 9069-9077.	2.3	54
69	Ultrathin graphitic carbon nitride nanosheets and graphene composite material as high-performance PtRu catalyst support for methanol electro-oxidation. <i>Carbon</i> , 2015, 93, 105-115.	5.4	53
70	In-situ surface chemical and structural self-reconstruction strategy enables high performance of Li-rich cathode. <i>Nano Energy</i> , 2021, 79, 105459.	8.2	53
71	High performance Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode prepared by a facile solution evaporation method for sodium-ion batteries. <i>Ceramics International</i> , 2017, 43, 4950-4956.	2.3	52
72	Effects of MEA preparation on the performance of a direct methanol fuel cell. <i>Journal of Power Sources</i> , 2006, 160, 1035-1040.	4.0	51

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73	Effect of a Carbon Support Containing Large Mesopores on the Performance of a Pt <sup>100</sup> Ru <sup>100</sup> Ni/C Catalyst for Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 672-677.	1.5	51
74	Fabrication and theoretical investigation of cobaltosic sulfide nanosheets for flexible aqueous Zn/Co batteries. <i>Nano Energy</i> , 2020, 68, 104314.	8.2	51
75	Effect of multiwalled carbon nanotubes with different specific surface areas on the stability of supported Pt catalysts. <i>Journal of Power Sources</i> , 2014, 245, 637-643.	4.0	49
76	Investigation on electrochemical performance of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> coated by heterogeneous layer of TiO <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2018, 739, 961-971.	2.8	49
77	Investigation on preparation and performance of spinel LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> with different microstructures for lithium-ion batteries. <i>Scientific Reports</i> , 2015, 5, 13299.	1.6	48
78	Ultra-fine Pt nanoparticles supported on 3D porous N-doped graphene aerogel as a promising electro-catalyst for methanol electrooxidation. <i>Catalysis Communications</i> , 2016, 86, 46-50.	1.6	48
79	Investigation on performance of Pd/Al <sub>2</sub> O <sub>3</sub> -C catalyst synthesized by microwave assisted polyol process for electrooxidation of formic acid. <i>RSC Advances</i> , 2012, 2, 344-350.	1.7	47
80	Electrochemical durability investigation of single-walled and multi-walled carbon nanotubes under potentiostatic conditions. <i>Journal of Power Sources</i> , 2008, 176, 128-131.	4.0	46
81	Investigation of the Pt-Ni-Pb/C ternary alloy catalysts for methanol electrooxidation. <i>Electrochemistry Communications</i> , 2008, 10, 443-446.	2.3	46
82	Graphitic carbon nitride nanosheet coated carbon black as a high-performance PtRu catalyst support material for methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20139-20146.	5.2	46
83	Investigations of Compositions and Performance of PtRuMo/C Ternary Catalysts for Methanol Electrooxidation. <i>Fuel Cells</i> , 2009, 9, 106-113.	1.5	45
84	Growth of ZnO nanostructures on metallic and semiconducting substrates by pulsed laser deposition technique. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 045415.	1.3	45
85	NiMoO <sub>4</sub> nanowire arrays and carbon nanotubes film as advanced electrodes for high-performance supercapacitor. <i>Applied Surface Science</i> , 2018, 458, 478-488.	3.1	45
86	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
87	A lightweight, compressible and portable sponge-based supercapacitor for future power supply. <i>Chemical Engineering Journal</i> , 2018, 349, 509-521.	6.6	44
88	Enhanced electrochemical performance by size-dependent SEI layer reactivation of NiCo <sub>2</sub> O <sub>4</sub> anodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 297, 1011-1017.	2.6	44
89	A Gas-Phase Migration Strategy to Synthesize Atomically Dispersed Mn-N-C Catalysts for Zn-Air Batteries. <i>Small Methods</i> , 2021, 5, e2100024.	4.6	44
90	Ascorbic acid-assisted solvothermal synthesis of LiMn <sub>0.9</sub> Fe <sub>0.1</sub> PO <sub>4</sub> /C nanoplatelets with enhanced electrochemical performance for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 243, 872-879.	4.0	43

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91	3D N-doped graphene nanomesh foam for long cycle life lithium-sulfur battery. <i>Chemical Engineering Journal</i> , 2017, 326, 265-272.	6.6	43
92	Metal-free amino acid glycine-derived nitrogen-doped carbon aerogel with superhigh surface area for highly efficient Zn-Air batteries. <i>Carbon</i> , 2020, 167, 75-84.	5.4	43
93	Studies of performance decay of Pt/C catalysts with working time of proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , 2008, 184, 245-250.	4.0	42
94	Preparation of submicrocrystal LiMn <sub>2</sub> O <sub>4</sub> used Mn <sub>3</sub> O <sub>4</sub> as precursor and its electrochemical performance for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2015, 622, 902-907.	2.8	42
95	Hierarchical Heterostructured Mo <sub>2</sub> C/Mo <sub>3</sub> Co <sub>3</sub> C Bouquet-like Nanowire Arrays: An Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7294-7303.	3.2	41
96	Hierarchical carbon coated molybdenum dioxide nanotubes as a highly active and durable electrocatalytic support for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4067-4074.	5.2	40
97	Hierarchical CoP <sub>3</sub> /NiMoO <sub>4</sub> heterostructures on Ni foam as an efficient bifunctional electrocatalyst for overall water splitting. <i>Ceramics International</i> , 2019, 45, 17128-17136.	2.3	40
98	Soft X-ray Ptychography Chemical Imaging of Degradation in a Composite Surface-Reconstructed Li-Rich Cathode. <i>ACS Nano</i> , 2021, 15, 1475-1485.	7.3	40
99	Phosphotungstic acid immobilized nanofibers-Nafion composite membrane with low vanadium permeability and high selectivity for vanadium redox flow battery. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 177-186.	5.0	39
100	Investigation of the performance decay of anodic PtRu catalyst with working time of direct methanol fuel cells. <i>Journal of Power Sources</i> , 2008, 181, 93-100.	4.0	38
101	Structural, morphological and electrochemical investigation of LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> cathode material synthesized in different sintering conditions. <i>Ceramics International</i> , 2015, 41, 11815-11823.	2.3	38
102	Effects of precursor particle size on the performance of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> cathode material. <i>Ceramics International</i> , 2015, 41, 15185-15192.	2.3	37
103	Effect of different structures of carbon supports for cathode catalyst on performance of direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1859-1870.	3.8	37
104	A low-cost wearable yarn supercapacitor constructed by a highly bended polyester fiber electrode and flexible film. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15144-15153.	5.2	37
105	Thermal-induced interlayer defect engineering toward super high-performance sodium ion capacitors. <i>Nano Energy</i> , 2019, 59, 17-25.	8.2	36
106	Boosted electrochemical performance of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> via synergistic modification of Li <sup>+</sup> -Conductive Li <sub>2</sub> ZrO <sub>3</sub> coating layer and superficial Zr-doping. <i>Electrochimica Acta</i> , 2020, 343, 136105.	2.6	36
107	Catalyst failure analysis of a direct methanol fuel cell membrane electrode assembly. <i>Journal of Power Sources</i> , 2008, 177, 386-392.	4.0	35
108	Recent advances in high-loading catalysts for low-temperature fuel cells: From nanoparticle to single atom. <i>SusMat</i> , 2021, 1, 569-592.	7.8	35

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109	Tuning lattice spacing in titanate nanowire arrays for enhanced sodium storage and long-term stability. <i>Nano Energy</i> , 2018, 45, 337-345.	8.2	34
110	Influence of cathode oxygen transport on the discharging time of passive DMFC. <i>Journal of Power Sources</i> , 2008, 175, 458-463.	4.0	33
111	Carbon-rieveted Pt catalyst supported on nanocapsule MWCNTs@Al <sub>2</sub> O <sub>3</sub> with ultrahigh stability for high-temperature proton exchange membrane fuel cells. <i>Nanoscale</i> , 2012, 4, 7411.	2.8	33
112	Carbon riveted PtRu/C catalyst from glucose in-situ carbonization through hydrothermal method for direct methanol fuel cell. <i>Journal of Power Sources</i> , 2013, 238, 283-289.	4.0	33
113	How to appropriately assess the oxygen reduction reaction activity of platinum group metal catalysts with rotating disk electrode. <i>IScience</i> , 2021, 24, 103024.	1.9	33
114	Boosting ion/e <sup>-</sup> transfer of Ti <sub>3</sub> C <sub>2</sub> via interlayered and interfacial co-modification for high-performance Li-ion capacitors. <i>Chemical Engineering Journal</i> , 2021, 404, 127116.	6.6	32
115	Revealing the Thermodynamics and Kinetics of In-Plane Disordered Li <sub>2</sub> MnO <sub>3</sub> Structure in Li-Rich Cathodes. <i>ACS Energy Letters</i> , 2021, 6, 3836-3843.	8.8	32
116	Effects of anatase TiO <sub>2</sub> with different particle sizes and contents on the stability of supported Pt catalysts. <i>Journal of Power Sources</i> , 2011, 196, 8207-8215.	4.0	31
117	Multiphase sodium titanate/titania composite nanostructures as Pt-based catalyst supports for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 840-846.	5.2	31
118	High sulfur content microporous carbon coated sulfur composites synthesized via in situ oxidation of metal sulfide for high-performance Li/S batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6052-6059.	5.2	31
119	Platinum Deposition on Multiwalled Carbon Nanotubes by Ion-Exchange Method as Electrocatalysts for Oxygen Reduction. <i>Journal of the Electrochemical Society</i> , 2007, 154, B687.	1.3	30
120	Effect of Mg content on discharge behavior of Al-0.05Ga-0.05Sn-0.05Pb-xMg alloy anode for aluminum-air battery. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 53-62.	1.2	30
121	Simple Water Treatment Strategy To Optimize the Li <sub>2</sub> MnO <sub>3</sub> Activation of Lithium-Rich Cathode Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12825-12837.	3.2	29
122	Pseudocapacitive Crystalline MnCo <sub>2</sub> O <sub>4.5</sub> and Amorphous MnCo <sub>2</sub> S <sub>4</sub> Core/Shell Heterostructure with Graphene for High-Performance K-Ion Hybrid Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54773-54781.	4.0	29
123	An efficient antimony doped tin oxide and carbon nanotubes hybrid support of Pd catalyst for formic acid electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5678-5688.	3.8	28
124	Facile strategy of NCA cation mixing regulation and its effect on electrochemical performance. <i>RSC Advances</i> , 2016, 6, 108558-108565.	1.7	28
125	NiCo <sub>2</sub> O <sub>4</sub> nanosheets and nanocones as additive-free anodes for high-performance Li-ion batteries. <i>Ceramics International</i> , 2017, 43, 13710-13716.	2.3	28
126	Optimizing the Structural Evolution of Li-Rich Oxide Cathode Materials via Microwave-Assisted Pre-Activation. <i>ACS Applied Energy Materials</i> , 2018, 1, 4158-4168.	2.5	28



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127	Tailoring Nitrogen Terminals on MXene Enables Fast Charging and Stable Cycling Na-Ion Batteries at Low Temperature. <i>Nano-Micro Letters</i> , 2022, 14, .	14.4	28
128	Improvement of cycle performance for silicon/carbon composite used as anode for lithium ion batteries. <i>Materials Chemistry and Physics</i> , 2009, 115, 757-760.	2.0	27
129	Electrochemical impedance studies of electrooxidation of methanol and formic acid on Pt/C catalyst in acid medium. <i>Journal of Power Sources</i> , 2009, 190, 336-340.	4.0	27
130	Effect of W on activity of Pt-Ru/C catalyst for methanol electrooxidation in acidic medium. <i>Journal of Alloys and Compounds</i> , 2009, 479, 395-400.	2.8	27
131	Tungsten doped Co-Se nanocomposites as an efficient non precious metal catalyst for oxygen reduction. <i>Electrochimica Acta</i> , 2013, 91, 179-184.	2.6	27
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