

# Zhen-Bo Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249  
papers

8,895  
citations

51  
h-index

82  
g-index

257  
ext. papers

10,496  
ext. citations

8.5  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
249	Vacuum vapor migration strategy for atomically dispersed Pt nanoparticle composite catalysts boosting bifunctional oxygen catalysis and rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 3112-3121	13	4
248	Coupling fine Pt nanoparticles and Co-N moiety as a synergistic bi-active site catalyst for oxygen reduction reaction in acid media. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 613, 276-284	9.3	1
247	Advanced Support Materials and Interactions for Atomically Dispersed Noble-Metal Catalysts: From Support Effects to Design Strategies. <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2102556	21.8	8
246	Suppressed phase separation in spinel LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode via interstitial sites modulation. <i>Nano Energy</i> , <b>2022</b> , 91, 106636	17.1	3
245	MnO <sub>2</sub> depositing on the surface of hollow porous carbon microspheres for supercapacitor application. <i>Ceramics International</i> , <b>2022</b> , 48, 10533-10538	5.1	1
244	Effect of UV light polymerization time on the properties of plastic crystal composite polyacrylate polymer electrolyte for all solid-state lithium-ion batteries. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 52001	2.9	1
243	Materials Engineering toward Durable Electrocatalysts for Proton Exchange Membrane Fuel Cells. <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2102665	21.8	4
242	Galvanic replacement mediated synthesis of Pd-Cu Alloy Nanospheres as Electrocatalysts for Formic Acid Oxidation. <i>Materials Today Sustainability</i> , <b>2022</b> , 100140	5	0
241	3D Nano-heterostructure of ZnMnO@Graphene-Carbon Microtubes for High-Performance Li-Ion Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16345-16354	9.5	1
240	Interface crystal domain regulation via TiO <sub>2</sub> surface modification enhancing stability of layered LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> for lithium-ion batteries. <i>Ionics</i> , <b>2021</b> , 27, 1871-1880	2.7	0
239	Enhanced Potassium Storage Performance for K-Te Batteries Electrode Design and Electrolyte Salt Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16345-16354	9.5	8
238	A Gas-Phase Migration Strategy to Synthesize Atomically Dispersed Mn-N-C Catalysts for Zn-Air Batteries. <i>Small Methods</i> , <b>2021</b> , 5, e2100024	12.8	12
237	High-stability MnCoNi ternary metal oxide microspheres as conversion-type anodes for sodium-ion batteries. <i>Ceramics International</i> , <b>2021</b> , 47, 17540-17549	5.1	0
236	In situ functionally utilize surface residual lithium of Co-free Li-rich layered oxides. <i>Ionics</i> , <b>2021</b> , 27, 3837-3846	3.8	4
235	Intercalation-pseudocapacitance hybrid anode for high rate and energy lithium-ion capacitors. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 459-467	12	15
234	In-situ surface chemical and structural self-reconstruction strategy enables high performance of Li-rich cathode. <i>Nano Energy</i> , <b>2021</b> , 79, 105459	17.1	24
233	Boosting ion/electron 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> , <b>2021</b> , 404, 127116	14.7	20

232	Self-Templated Hierarchically Porous Carbon Nanorods Embedded with Atomic Fe-N4 Active Sites as Efficient Oxygen Reduction Electrocatalysts in Zn-Air Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008085	15.6	47
231	Soft X-ray Ptychography Chemical Imaging of Degradation in a Composite Surface-Reconstructed Li-Rich Cathode. <i>ACS Nano</i> , <b>2021</b> , 15, 1475-1485	16.7	12
230	Cu(PO): Novel Anion Convertor for Aqueous Dual-Ion Battery. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 41	19.5	16
229	Achieving fast and durable alkali-ion storage by designing gradient interface with low charge transfer barrier. <i>Nano Energy</i> , <b>2021</b> , 85, 106022	17.1	1
228	Absence of a Relationship between Surface Conductivity and Electrochemical Rates: Redox-Active Monolayers on Si(211), Si(111), and Si(110). <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 18197-18203	3.8	2
227	Understanding Li roles in chemical reversibility of O2-type Li-rich layered cathode materials. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 66, 666-666	12	1
226	The Nature of the Ultrahigh Initial Coulombic Efficiency of Ni <sub>2</sub> Fe(CN) <sub>6</sub> in Aqueous Ammonium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 9594-9599	6.1	0
225	How to appropriately assess the oxygen reduction reaction activity of platinum group metal catalysts with rotating disk electrode. <i>IScience</i> , <b>2021</b> , 24, 103024	6.1	9
224	Trigger Na <sup>+</sup> -solvent co-intercalation to achieve high-performance sodium-ion batteries at subzero temperature. <i>Chemical Engineering Journal</i> , <b>2021</b> , 430, 132750	14.7	1
223	Preparation of BiFeO <sub>3</sub> and its photoelectric performance as photoanode of DSSC. <i>Ceramics International</i> , <b>2021</b> , 47, 27565-27570	5.1	2
222	Recent advances in high-loading catalysts for low-temperature fuel cells: From nanoparticle to single atom. <i>SusMat</i> , <b>2021</b> , 1, 569-592		8
221	Metal-free amino acid glycine-derived nitrogen-doped carbon aerogel with superhigh surface area for highly efficient Zn-Air batteries. <i>Carbon</i> , <b>2020</b> , 167, 75-84	10.4	27
220	Interfacial and Electronic Modulation via Localized Sulfurization for Boosting Lithium Storage Kinetics. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000151	24	56
219	A simple one-step molten salt method for synthesis of micron-sized single primary particle LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode material for lithium-ion batteries. <i>Ionics</i> , <b>2020</b> , 26, 1635-1643	2.7	9
218	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> , <b>2020</b> , 71, 104592	17.1	92
217	Enhanced VRLA deep cycling performance via lattice modification using Bi doping. <i>Ionics</i> , <b>2020</b> , 26, 3989-3995	3.9	1
216	Correlative imaging of ionic transport and electronic structure in nano LiFePO electrodes. <i>Chemical Communications</i> , <b>2020</b> , 56, 984-987	5.8	4
215	The journey of lithium ions in the lattice of PNb <sub>9</sub> O <sub>25</sub> . <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 631-637	7.8	9

214	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> , <b>2020</b> , 12, 973-982	7.7	47
213	Dehydration-triggered electronic structure modulation enables high-performance quasi-solid-state Li-ion capacitors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 392, 123795	14.7	2
212	Facile synthesis of flower-like dual-metal (Co/Zn) MOF-derived 3D porous Co@Co-NPC as reversible oxygen electrocatalyst for rechargeable zinc-air batteries. <i>Ionics</i> , <b>2020</b> , 26, 1913-1922	2.7	12
211	Nitrogen doped carbon coated Mo modified TiO <sub>2</sub> nanowires (NC@MTNWs-FI) with functionalized interfacial as advanced PtRu catalyst support for methanol electrooxidation. <i>Electrochimica Acta</i> , <b>2020</b> , 331, 135410	6.7	6
210	Fabrication and theoretical investigation of cobaltosic sulfide nanosheets for flexible aqueous Zn/Co batteries. <i>Nano Energy</i> , <b>2020</b> , 68, 104314	17.1	34
209	Enhancing Na-Ion Storage at Subzero Temperature via Interlayer Confinement of Sn. <i>ACS Nano</i> , <b>2020</b> , 14, 13765-13774	16.7	4
208	Enhancing metal-support interaction by in situ ion-exchanging strategy for high performance Pt catalysts in hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16582-16589	13	13
207	Pseudocapacitive Crystalline MnCoO and Amorphous MnCoS Core/Shell Heterostructure with Graphene for High-Performance K-Ion Hybrid Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54773-54781	9.5	14
206	Effects of Small Molecule Interlayer Engineering in Vanadium Oxide for Zinc Ion Battery. <i>ChemistrySelect</i> , <b>2020</b> , 5, 8951-8958	1.8	5
205	Single-site pyrrolic-nitrogen-doped sp-hybridized carbon materials and their pseudocapacitance. <i>Nature Communications</i> , <b>2020</b> , 11, 3884	17.4	51
204	High-performance ternary metal oxide anodes for lithium storage. <i>Ceramics International</i> , <b>2020</b> , 46, 28914-28921	14.1	21
203	Effect of polytetrafluoroethylene (PTFE) in current collecting layer on the performance of zinc-air battery. <i>Progress in Natural Science: Materials International</i> , <b>2020</b> , 30, 861-867	3.6	2
202	Advanced non-noble materials in bifunctional catalysts for ORR and OER toward aqueous metal-air batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 21534-21559	7.7	32
201	Materializing efficient methanol oxidation via electron delocalization in nickel hydroxide nanoribbon. <i>Nature Communications</i> , <b>2020</b> , 11, 4647	17.4	29
200	Engineering sulphur vacancy in VS <sub>2</sub> as high performing zinc-ion batteries with high cyclic stability. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15951-15957	3.6	6
199	Fabrication of C@MoxTi1-xO2 nanocrystalline with functionalized interface as efficient and robust PtRu catalyst support for methanol electrooxidation. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 40, 7-14	12	8
198	Crystallization evoked surface defects in layered titanates for high-performance sodium storage. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 537-546	19.4	9
197	Surface modification by fluorine doping to increase discharge capacity of Li <sub>1.2</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> O <sub>2</sub> cathode materials. <i>Ionics</i> , <b>2020</b> , 26, 151-161	2.7	12

196	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> , <b>2020</b> , 343, 136105	6.7	16
195	Hollow-sphere iron oxides exhibiting enhanced cycling performance as lithium-ion battery anodes. <i>Chemical Communications</i> , <b>2019</b> , 55, 11638-11641	5.8	6
194	Local electronic structure modulation enhances operating voltage in Li-rich cathodes. <i>Nano Energy</i> , <b>2019</b> , 66, 104102	17.1	58
193	Spinel (Ni <sub>0.4</sub> Co <sub>0.4</sub> Mn <sub>0.2</sub> ) <sub>3</sub> O <sub>4</sub> nanoparticles as conversion-type anodes for Li- and Na-ion batteries. <i>Ceramics International</i> , <b>2019</b> , 45, 7552-7559	5.1	16
192	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> , <b>2019</b> , 542, 177-186	9.3	29
191	Ultrathin Graphitic Carbon Coated Molybdenum Phosphide as Noble-Metal-Free Electrocatalyst for Hydrogen Evolution. <i>ChemistrySelect</i> , <b>2019</b> , 4, 846-852	1.8	2
190	A highly proton-/vanadium-selective perfluorosulfonic acid membrane for vanadium redox flow batteries. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 11374-11381	3.6	14
189	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> , <b>2019</b> , 7, 12825-12837	8.3	11
188	Interface Functionalized Mo <sub>x</sub> Ti <sub>1-x</sub> O <sub>2</sub> Composite via a Postgrowth Modification Approach as High Performance PtRu Catalyst Support for Methanol Electrooxidation. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 4882-4889	6.1	3
187	A Collaboration of Surface Protection and Bulk Doping for High-performance Li-rich Cathode Materials. <i>ChemistrySelect</i> , <b>2019</b> , 4, 6256-6264	1.8	2
186	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> , <b>2019</b> , 45, 17128-17136	5.1	22
185	Ultra-High Ion Selectivity of a Modified Nafion Composite Membrane for Vanadium Redox Flow Battery by Incorporation of Phosphotungstic Acid Coupled UiO-66-NH <sub>2</sub> . <i>ChemistrySelect</i> , <b>2019</b> , 4, 4633-4641	1.8	12
184	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> , <b>2019</b> , 7, 8302-8314	13	31
183	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> , <b>2019</b> , 7, 7294-7303	8.3	28
182	Dual conductive surface engineering of Li-Rich oxides cathode for superior high-energy-density Li-ion batteries. <i>Nano Energy</i> , <b>2019</b> , 59, 527-536	17.1	61
181	Compositing SrLi <sub>2</sub> Ti <sub>6</sub> O <sub>14</sub> with chemical deposited silver for enhancing lithium ion storage. <i>Ceramics International</i> , <b>2019</b> , 45, 6885-6890	5.1	2
180	Carbon-Coated and Interfacial-Functionalized Mixed-Phase Mo Ti O Nanotubes as Highly Active and Durable PtRu Catalyst Support for Methanol Electrooxidation. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1549-1556	4.5	2
179	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. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 1485-1492	14.7	57

178	Improving Electrochemical Performance of High-Voltage Spinel LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Cathode by Cobalt Surface Modification. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2982-2989	6.1	15
177	Controlling the surface roughness of chain-like Pd nanowires by pH values as excellent catalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 6551-6559	6.7	12
176	A high energy density aqueous hybrid supercapacitor with widened potential window through multi approaches. <i>Nano Energy</i> , <b>2019</b> , 59, 41-49	17.1	146
175	Thermal-induced interlayer defect engineering toward super high-performance sodium ion capacitors. <i>Nano Energy</i> , <b>2019</b> , 59, 17-25	17.1	26
174	Advanced deformable all-in-one hydrogel supercapacitor based on conducting polymer: Toward integrated mechanical and capacitive performance. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 805, 1044-1051	5.7	38
173	Biology-inspired polydopamine-assisted strategy for high-performance supercapacitor. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 122056	14.7	14
172	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN <sub>4</sub> Sites for Oxygen Reduction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 19147-19156	3.6	38
171	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN Sites for Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18971-18980	16.4	207
170	Core-shell structure LiNi <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> O <sub>2</sub> @ ultrathin MnO <sub>2</sub> nanoflakes cathode material with high electrochemical performance for lithium-ion batteries. <i>Ionics</i> , <b>2019</b> , 25, 5249-5258	2.7	3
169	Binder-free VO/CNT paper electrode for high rate performance zinc ion battery. <i>Nanoscale</i> , <b>2019</b> , 11, 19723-19728	7.7	40
168	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> , <b>2019</b> , 297, 1011-1017	6.7	30
167	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> , <b>2019</b> , 298, 459-467	6.7	30
166	UV-curable-based plastic crystal polymer electrolyte for high-performance all-solid-state Li-ion batteries. <i>Ionics</i> , <b>2019</b> , 25, 1607-1615	2.7	9
165	High proton conductivity polybenzimidazole proton exchange membrane based on phosphotungstic acid-anchored nano-Kevlar fibers. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 1640-1653	4.3	14
164	Study on Prelithiation Technology of Hard Carbon Electrode Using Stable Metal Lithium Powder. <i>Journal of Electrochemical Energy Conversion and Storage</i> , <b>2019</b> , 16,	2	6
163	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> with specially designed carbon framework as high performance cathode for sodium-ion batteries. <i>Ceramics International</i> , <b>2019</b> , 45, 4637-4644	5.1	15
162	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> , <b>2019</b> , 23, 53-62	2.6	19
161	Design of synergistic-coated layer of La <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> in LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode for enhanced cycling stability and rate capability. <i>Ionics</i> , <b>2019</b> , 25, 2459-2468	2.7	9

160	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> , <b>2018</b> , 231, 224-233	21.8	102
159	Porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> prepared by freeze-drying method as high performance cathode for sodium-ion batteries. <i>Ceramics International</i> , <b>2018</b> , 44, 9880-9886	5.1	15
158	Flower-like nitrogen-oxygen-doped carbon encapsulating sulfur composite synthesized via in-situ oxidation approach. <i>Chemical Engineering Journal</i> , <b>2018</b> , 345, 271-279	14.7	16
157	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> , <b>2018</b> , 272, 11-21	6.7	46
156	One-step synthesis of 3D N-doped graphene supported metal oxide for high performance Li-S battery. <i>Ceramics International</i> , <b>2018</b> , 44, 13419-13425	5.1	14
155	Pseudocapacitance of TiO <sub>2</sub> /CNT Anodes for High-Performance Quasi-Solid-State Li-Ion and Na-Ion Capacitors. <i>Small</i> , <b>2018</b> , 14, e1704508	11	65
154	Mesoporous g-C <sub>3</sub> N <sub>4</sub> derived nano-titanium nitride modified carbon black as ultra-fine PtRu catalyst support for Methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 5153-5162	6.7	24
153	Study on Li <sub>x</sub> Ni <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> (x = 0.8, 0.9, 1, 1.1, and 1.2) high-voltage cathode for lithium-ion batteries. <i>Ionics</i> , <b>2018</b> , 24, 3317-3323	2.7	3
152	Functional Differentiation of Three Pores for Effective Sulfur Confinement in Li-S Battery. <i>Small</i> , <b>2018</b> , 14, e1703279	11	18
151	WO <sub>3</sub> /C supported Pd catalysts for formic acid electro-oxidation activity. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 407-416	6.7	14
150	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> , <b>2018</b> , 739, 961-971	5.7	38
149	Tuning lattice spacing in titanate nanowire arrays for enhanced sodium storage and long-term stability. <i>Nano Energy</i> , <b>2018</b> , 45, 337-345	17.1	26
148	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> , <b>2018</b> , 6, 6212-6219	13	55
147	Optimizing the Structural Evolution of Li-Rich Oxide Cathode Materials via Microwave-Assisted Pre-Activation. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4158-4168	6.1	20
146	NiMoO <sub>4</sub> nanowire arrays and carbon nanotubes film as advanced electrodes for high-performance supercapacitor. <i>Applied Surface Science</i> , <b>2018</b> , 458, 478-488	6.7	33
145	Supramolecular Assembly Templated Nitrogen-Doped Hollow Carbon Tubes as Highly Active and Durable Catalytic Support for Methanol Electrooxidation. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4096-4105	6.1	8
144	Cobalt and Nitrogen Codoped Carbon Nanosheets Templated from NaCl as Efficient Oxygen Reduction Electrocatalysts. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 3057-3062	4.5	21
143	3D MnCoO <sub>2</sub> Nanorod Arrays on Ni Foam as Binder-Free Anodes for Li-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1965-1969	1.3	6

142	Nitrogen-doped graphene aerogel with an open structure assisted by in-situ hydrothermal restructuring of ZIF-8 as excellent Pt catalyst support for methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 21899-21907	6.7	12
141	Atomically dispersed manganese catalysts for oxygen reduction in proton-exchange membrane fuel cells. <i>Nature Catalysis</i> , <b>2018</b> , 1, 935-945	36.5	691
140	Simple co-precipitation synthesis of high-voltage spinel cathodes with different Ni/Mn ratios for lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	2
139	Metal-Organic Frameworks and Their Derived Materials as Electrocatalysts and Photocatalysts for CO Reduction: Progress, Challenges, and Perspectives. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18137-18157	4.8	90
138	A lightweight, compressible and portable sponge-based supercapacitor for future power supply. <i>Chemical Engineering Journal</i> , <b>2018</b> , 349, 509-521	14.7	37
137	Improving rate performance of high-voltage spinel cathode by changing structural evolution from two-phase to solid-solution reactions. <i>Electrochimica Acta</i> , <b>2018</b> , 281, 24-30	6.7	10
136	Hierarchical carbon coated molybdenum dioxide nanotubes as a highly active and durable electrocatalytic support for methanol oxidation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4067-4074	13	36
135	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> , <b>2017</b> , 5, 9365-9376	13	60
134	Studies on stability and capacity for long-life cycle performance of Li(Ni 0.5 Co 0.2 Mn 0.3)O <sub>2</sub> by Mo modification for lithium-ion battery. <i>Journal of Power Sources</i> , <b>2017</b> , 358, 1-12	8.9	99
133	Recent advances in cathode materials for LiS battery: structure and performance. <i>Rare Metals</i> , <b>2017</b> , 36, 365-380	5.5	19
132	A low-cost wearable yarn supercapacitor constructed by a highly bended polyester fiber electrode and flexible film. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15144-15153	13	34
131	3D N-doped graphene nanomesh foam for long cycle life lithium-sulfur battery. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 265-272	14.7	38
130	Investigation on Spinel LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Synthesized by MnCO <sub>3</sub> Prepared under Different Conditions for Lithium-Ion Batteries. <i>ChemistrySelect</i> , <b>2017</b> , 2, 4325-4331	1.8	8
129	Three-dimensional hybrid aerogels built from graphene and polypyrrole-derived nitrogen-doped carbon nanotubes as a high-efficiency Pt-based catalyst support. <i>Carbon</i> , <b>2017</b> , 121, 518-526	10.4	22
128	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> , <b>2017</b> , 5, 6052-6059	13	29
127	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> , <b>2017</b> , 43, 4950-4956	5.1	32
126	Hierarchical Mn <sub>1.5</sub> Co <sub>1.5</sub> O <sub>4</sub> microspheres constructed from one-dimensional nanorods as high-performance anode material for lithium-ion battery. <i>Ionics</i> , <b>2017</b> , 23, 1067-1074	2.7	2
125	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> , <b>2017</b> , 29, 9133-9141	9.6	62



124	CeO <sub>2</sub> nanowires stretch-embedded in reduced graphite oxide nanocomposite support for Pt nanoparticles as potential electrocatalyst for methanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 20549-20559	6.7	17
123	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> , <b>2017</b> , 43, 13710-13716	5.1	22
122	Clustered-Microcapsule-Shaped Microporous Carbon-Coated Sulfur Composite Synthesized via in Situ Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44512-44518	9.5	8
121	Elastic soft hydrogel supercapacitor for energy storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24942-24950	13	58
120	A novel synthetic route to cathode materials for Li-ion batteries: from organic sulfides to sulfur/nitrogenous carbon composites. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16796-16802	13	16
119	Hybrid of molybdenum trioxide and carbon as high performance platinum catalyst support for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 2045-2053	6.7	10
118	Investigation on LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode material based on the precursor of nickel-manganese compound for lithium-ion battery. <i>Ionics</i> , <b>2017</b> , 23, 35-41	2.7	4
117	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. <i>Chemical Engineering Journal</i> , <b>2017</b> , 312, 296-305	14.7	74
116	3D NiCo <sub>2</sub> S <sub>4</sub> nanorod arrays as electrode materials for electrochemical energy storage application. <i>Ceramics International</i> , <b>2016</b> , 42, 18173-18180	5.1	15
115	In Situ Growth of Free-Standing All Metal Oxide Asymmetric Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26019-26029	9.5	59
114	Super long-life all solid-state asymmetric supercapacitor based on NiO nanosheets and Fe <sub>2</sub> O <sub>3</sub> nanorods. <i>Chemical Engineering Journal</i> , <b>2016</b> , 306, 193-203	14.7	136
113	Hierarchical Hydrogen Titanate Nanowire Arrays/Anatase TiO <sub>2</sub> Heterostructures as Binder-Free Anodes for Li-ion Capacitors. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 27-35	6.7	13
112	Facile strategy of NCA cation mixing regulation and its effect on electrochemical performance. <i>RSC Advances</i> , <b>2016</b> , 6, 108558-108565	3.7	20
111	Layered-spinel capped nanotube assembled 3D Li-rich hierarchitectures for high performance Li-ion battery cathodes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18416-18425	13	65
110	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> , <b>2016</b> , 8, 16026-34	9.5	73
109	A simple method for industrialization to enhance the tap density of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> cathode material for high-specific volumetric energy lithium-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 65941-65949	3.7	12
108	Effect of different structures of carbon supports for cathode catalyst on performance of direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 1859-1870	6.7	29
107	Effect of core/shell structured TiO <sub>2</sub> @C nanowire support on the Pt catalytic performance for methanol electrooxidation. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 3767-3775	5.5	14

106	Graphitic-C3N4 quantum dots modified carbon nanotubes as a novel support material for a low Pt loading fuel cell catalyst. <i>RSC Advances</i> , <b>2016</b> , 6, 32290-32297	3.7	16
105	Hybrid of carbon-supported Pt nanoparticles and three dimensional graphene aerogel as high stable electrocatalyst for methanol electrooxidation. <i>Electrochimica Acta</i> , <b>2016</b> , 189, 175-183	6.7	51
104	Effect of N-doped carbon quantum dots/multiwall-carbon nanotube composite support on Pt catalytic performance for methanol electrooxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 67096-67101	3.7	7
103	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> , <b>2016</b> , 4, 8716-8723	13	59
102	Nitrogen-doped carbon with mesoporous structure as high surface area catalyst support for methanol oxidation reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 39310-39316	3.7	10
101	Nitrogen-doped carbon nanotubes for high-performance platinum-based catalysts in methanol oxidation reaction. <i>Carbon</i> , <b>2016</b> , 108, 561-567	10.4	45
100	Three-dimensional TiO <sub>2</sub> @C nano-network with high porosity as a highly efficient Pt-based catalyst support for methanol electrooxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 79254-79262	3.7	8
99	Ultra-fine Pt nanoparticles supported on 3D porous N-doped graphene aerogel as a promising electro-catalyst for methanol electrooxidation. <i>Catalysis Communications</i> , <b>2016</b> , 86, 46-50	3.2	34
98	Investigation on performances of Li <sub>1.2</sub> Co <sub>0.4</sub> Mn <sub>0.4</sub> O <sub>2</sub> prepared by self-combustion reaction as stable cathode for lithium-ion batteries. <i>Ceramics International</i> , <b>2016</b> , 42, 14818-14825	5.1	7
97	Honeycomb-like mesoporous nitrogen-doped carbon supported Pt catalyst for methanol electrooxidation. <i>Carbon</i> , <b>2015</b> , 93, 1050-1058	10.4	73
96	A rapid synthesis of TiO <sub>2</sub> nanotubes in an ethylene glycol system by anodization as a Pt-based catalyst support for methanol electrooxidation. <i>RSC Advances</i> , <b>2015</b> , 5, 35518-35523	3.7	15
95	A newly-designed sandwich-structured graphenePt@graphene catalyst with improved electrocatalytic performance for fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5313-5320	13	50
94	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> , <b>2015</b> , 41, 9069-9077	5.1	45
93	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> , <b>2015</b> , 41, 15185-15192	5.1	24
92	One-pot synthesis of a three-dimensional graphene aerogel supported Pt catalyst for methanol electrooxidation. <i>RSC Advances</i> , <b>2015</b> , 5, 98160-98165	3.7	20
91	Multiphase sodium titanate/titania composite nanostructures as Pt-based catalyst supports for methanol oxidation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 840-846	13	28
90	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> , <b>2015</b> , 622, 902-907	5.7	36
89	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> , <b>2015</b> , 5, 13299	4.9	38

88	Highly Durable Direct Methanol Fuel Cell with Double-Layered Catalyst Cathode. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-8	3.2	3
87	Multiwall-carbon nanotube modified by N-doped carbon quantum dots as Pt catalyst support for methanol electrooxidation. <i>Journal of Power Sources</i> , <b>2015</b> , 289, 63-70	8.9	73
86	The electrochemical behaviors of the Mg-7.5Li-3.5Al and Mg-7.5Li-3.5Al-1Y electrodes in sodium chloride solution. <i>Ionics</i> , <b>2015</b> , 21, 429-435	2.7	2
85	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> , <b>2015</b> , 41, 11815-11823	5.1	31
84	Ultrathin graphitic carbon nitride nanosheets and graphene composite material as high-performance PtRu catalyst support for methanol electro-oxidation. <i>Carbon</i> , <b>2015</b> , 93, 105-115	10.4	43
83	Synthesis and performance of hollow LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> with different particle sizes for lithium-ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 100730-100735	3.7	10
82	Electrochemical properties of citric acid-assisted combustion synthesis of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> adopting Cr by the solid-state reaction process. <i>Ionics</i> , <b>2015</b> , 21, 1545-1551	2.7	4
81	Facile one-pot synthesis of Pt/graphene-TiO <sub>2</sub> hybrid catalyst with enhanced methanol electrooxidation performance. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 210-217	8.9	63
80	Investigation on CNT/TiO <sub>2</sub> nanotubes composite as Pt catalyst support for methanol electrooxidation. <i>Journal of Power Sources</i> , <b>2014</b> , 255, 43-51	8.9	76
79	The effect of sodium stannate as the electrolyte additive on the electrochemical performance of the Mg <sub>0.8</sub> Li <sub>0.2</sub> Y electrode in NaCl solution. <i>RSC Advances</i> , <b>2014</b> , 4, 18074-18079	3.7	2
78	Electrochemical properties of high-voltage LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> synthesized by a solid-state method. <i>RSC Advances</i> , <b>2014</b> , 4, 26022-26029	3.7	17
77	Improved electrochemical performance of LiNi <sub>0.4</sub> Ti <sub>0.1</sub> Mn <sub>1.5</sub> O <sub>4</sub> as cathode of lithium ion battery by carbon-coating. <i>RSC Advances</i> , <b>2014</b> , 4, 57041-57047	3.7	15
76	Effect of pH value on H <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> composite nanotubes as Pt catalyst support for methanol oxidation. <i>Journal of Power Sources</i> , <b>2014</b> , 272, 196-202	8.9	22
75	High stability and high activity Pd/ITO-CNTs electrocatalyst for direct formic acid fuel cell. <i>Electrochimica Acta</i> , <b>2014</b> , 137, 676-684	6.7	20
74	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> , <b>2014</b> , 2, 20139-20146	13	39
73	Crystal structure and multicomponent effects in Li <sub>1+x</sub> Mn <sub>2-2x</sub> Al <sub>y</sub> O <sub>4</sub> cathode materials for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2014</b> , 262, 104-111	8.9	43
72	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. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4185-4191	13	80
71	The effect of hydrothermal treatment time and level of carbon coating on the performance of PtRu/C catalysts in a direct methanol fuel cell. <i>RSC Advances</i> , <b>2014</b> , 4, 63922-63932	3.7	5

70	The effects of sodium fluoride as the electrolyte additive on the electrochemical performances of magnesium/lithium/zinc electrode in sodium chloride solution. <i>RSC Advances</i> , <b>2014</b> , 4, 63182-63188	3.7	5
69	Ce <sub>0.8</sub> Sn <sub>0.2</sub> O <sub>2</sub> composite as a co-catalytic support for Pt catalysts toward methanol electrooxidation. <i>Journal of Power Sources</i> , <b>2014</b> , 265, 335-344	8.9	19
68	Pt/Tin Oxide/Carbon Nanocomposites as Promising Oxygen Reduction Electrocatalyst with Improved Stability and Activity. <i>Electrochimica Acta</i> , <b>2014</b> , 117, 413-419	6.7	35
67	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> , <b>2014</b> , 39, 5678-5688	6.7	22
66	Effect of multiwalled carbon nanotubes with different specific surface areas on the stability of supported Pt catalysts. <i>Journal of Power Sources</i> , <b>2014</b> , 245, 637-643	8.9	44
65	Carbon riveted PtRu/C catalyst from glucose in-situ carbonization through hydrothermal method for direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2013</b> , 238, 283-289	8.9	30
64	Tungsten doped CoFe nanocomposites as an efficient non precious metal catalyst for oxygen reduction. <i>Electrochimica Acta</i> , <b>2013</b> , 91, 179-184	6.7	23
63	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> , <b>2013</b> , 243, 872-879	8.9	36
62	Pt/porous-IrO <sub>2</sub> nanocomposite as promising electrocatalyst for unitized regenerative fuel cell. <i>Electrochemistry Communications</i> , <b>2012</b> , 14, 63-66	5.1	77
61	Investigation on the durability of direct dimethyl ether fuel cell. Part I: Anode degradation. <i>Journal of Power Sources</i> , <b>2012</b> , 198, 170-175	8.9	7
60	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> , <b>2012</b> , 203, 17-25	8.9	56
59	Preparation of Pt/Irx(IrO <sub>2</sub> ) <sub>10x</sub> bifunctional oxygen catalyst for unitized regenerative fuel cell. <i>Journal of Power Sources</i> , <b>2012</b> , 210, 321-326	8.9	48
58	Synthesis and electrochemical properties of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> as a 5 V cathode material for lithium ion batteries. <i>RSC Advances</i> , <b>2012</b> , 2, 11988	3.7	9
57	Effects of carbon sources and carbonized carbon contents during carbon riveting process on the stability of Pt/C catalyst. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 10276-10285	6.7	5
56	Titanium compounds TiCl <sub>3</sub> and TiO <sub>2</sub> supported Pd catalysts for formic acid electrooxidation. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 15096-15104	6.7	15
55	Sensing performances of ZnO nanostructures grown under different oxygen pressures to hydrogen. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 4420-4426	5.1	7
54	Carbon-riveted 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> , <b>2012</b> , 4, 7411-8	7.7	29
53	Investigation on performance of Pd/Al <sub>2</sub> O <sub>3</sub> catalyst synthesized by microwave assisted polyol process for electrooxidation of formic acid. <i>RSC Advances</i> , <b>2012</b> , 2, 344-350	3.7	44

52	The influence of anode diffusion layer on the performance of direct dimethyl ether fuel cell. <i>International Journal of Energy Research</i> , <b>2012</b> , 36, 886-890	4.5	3
51	Electrochemical studies of Pt/Ir $\gamma$ O <sub>2</sub> electrocatalyst as a bifunctional oxygen electrode. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 59-67	6.7	80
50	Synthesis and characterization of carbon riveted Pt/MWCNTs@TiO <sub>2</sub> $\gamma$ C catalyst with high durability for PEMFCs application. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 123-124, 214-220	21.8	19
49	Ultrahigh stable carbon riveted Pt/TiO <sub>2</sub> $\gamma$ catalyst prepared by in situ carbonized glucose for proton exchange membrane fuel cell. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 728-735	35.4	170
48	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> , <b>2011</b> , 4, 2558	35.4	94
47	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> , <b>2011</b> , 196, 8207-8215	8.9	27
46	A novel structural design of a Pt/C-CeO <sub>2</sub> catalyst with improved performance for methanol electro-oxidation by $\beta$ -cyclodextrin carbonization. <i>Advanced Materials</i> , <b>2011</b> , 23, 3100-4	24	186
45	Methanol oxidation on Pt/CeO <sub>2</sub> $\gamma$ electrocatalyst prepared by microwave-assisted ethylene glycol process. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 102, 9-18	21.8	92
44	Effect of a Carbon Support Containing Large Mesopores on the Performance of a PtRuNi/C Catalyst for Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 672-677	3.8	47
43	Performance of Pt/C catalysts prepared by microwave-assisted polyol process for methanol electrooxidation. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 1799-1804	8.9	61
42	Carbon riveted Pt/C catalyst with high stability prepared by in situ carbonized glucose. <i>Chemical Communications</i> , <b>2010</b> , 46, 6998-7000	5.8	58
41	Investigation of PtNi/C anode electrocatalysts for direct borohydride fuel cell. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 185-189	8.9	77
40	A membrane electrode assembly with high fuel coulombic efficiency for passive direct borohydride fuel cells. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1070-1073	5.1	6
39	Stable PtNiPb/WC Catalyst for Direct Methanol Fuel Cells. <i>Electrochemical and Solid-State Letters</i> , <b>2009</b> , 12, A13		9
38	Improvement of cycle performance for silicon/carbon composite used as anode for lithium ion batteries. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 757-760	4.4	23
37	Effect of anode current collector on the performance of passive direct methanol fuel cells. <i>International Journal of Energy Research</i> , <b>2009</b> , 33, 719-727	4.5	25
36	Investigations of Compositions and Performance of PtRuMo/C Ternary Catalysts for Methanol Electrooxidation. <i>Fuel Cells</i> , <b>2009</b> , 9, 106-113	2.9	40
35	Influence of hot-pressing temperature on physical and electrochemical performance of catalyst coated membranes for direct methanol fuel cells. <i>Journal of Applied Electrochemistry</i> , <b>2009</b> , 39, 859-866	2.6	2

34	Electro-oxidation of dimethyl ether on platinum nanocubes with preferential {100} surfaces. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1596-1598	5.1	22
33	Durability studies on performance degradation of Pt/C catalysts of proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 4387-4394	6.7	85
32	Electrochemical impedance studies of electrooxidation of methanol and formic acid on Pt/C catalyst in acid medium. <i>Journal of Power Sources</i> , <b>2009</b> , 190, 336-340	8.9	21
31	Effect of W on activity of PtRu/C catalyst for methanol electrooxidation in acidic medium. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 479, 395-400	5.7	25
30	Electrocatalytic oxidation of dimethyl ether on ruthenium modified platinum single crystal electrodes. <i>Catalysis Communications</i> , <b>2009</b> , 10, 971-974	3.2	11
29	Growth of ZnO nanostructures on metallic and semiconducting substrates by pulsed laser deposition technique. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 045415	3	44
28	Investigation of Further Improvement of Platinum Catalyst Durability with Highly Graphitized Carbon Nanotubes Support. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 5784-5789	3.8	120
27	Effect of Ni on PtRu/C Catalyst Performance for Ethanol Electrooxidation in Acidic Medium. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 6582-6587	3.8	90
26	WO <sub>3</sub> -x Nanorod Arrays Based Sensors with High Sensitivity and Quick Response for Detecting Pollutants. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1080, 1		
25	Electrochemical investigation of silicon/carbon composite as anode material for lithium ion batteries. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 3149-3152	4.3	13
24	Influence of cathode oxygen transport on the discharging time of passive DMFC. <i>Journal of Power Sources</i> , <b>2008</b> , 175, 458-463	8.9	31
23	Electrochemical durability investigation of single-walled and multi-walled carbon nanotubes under potentiostatic conditions. <i>Journal of Power Sources</i> , <b>2008</b> , 176, 128-131	8.9	41
22	Catalyst failure analysis of a direct methanol fuel cell membrane electrode assembly. <i>Journal of Power Sources</i> , <b>2008</b> , 177, 386-392	8.9	32
21	Investigation of the performance decay of anodic PtRu catalyst with working time of direct methanol fuel cells. <i>Journal of Power Sources</i> , <b>2008</b> , 181, 93-100	8.9	34
20	Studies of performance decay of Pt/C catalysts with working time of proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , <b>2008</b> , 184, 245-250	8.9	36
19	Durability studies of unsupported Pt cathodic catalyst with working time of direct methanol fuel cells. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 1066-1072	8.9	13
18	Investigation of a novel MEA for direct dimethyl ether fuel cell. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 238-241	5.1	12
17	Investigation of the PtNiPb/C ternary alloy catalysts for methanol electrooxidation. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 443-446	5.1	41

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14	Influence of different buffer solutions on the performance of anodic Pt-Ru/C nanoparticle electrocatalysts for a direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2007</b> , 166, 317-323	8.9	8
13	Proton exchange membrane fuel cell from low temperature to high temperature: Material challenges. <i>Journal of Power Sources</i> , <b>2007</b> , 167, 235-242	8.9	425
12	The influence of anode gas diffusion layer on the performance of low-temperature DMFC. <i>Journal of Power Sources</i> , <b>2007</b> , 168, 453-458	8.9	59
11	Effect of carbon black support corrosion on the durability of Pt/C catalyst. <i>Journal of Power Sources</i> , <b>2007</b> , 171, 331-339	8.9	343
10	Preparation and influence of performance of anodic catalysts for direct methanol fuel cell. <i>Frontiers of Chemical Engineering in China</i> , <b>2007</b> , 1, 20-25		
9	The influence of acidic and alkaline precursors on PtRu/C catalyst performance for a direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2007</b> , 163, 688-694	8.9	21
8	Effects of hot pressing conditions on the performances of MEAs for direct methanol fuel cells. <i>Journal of Power Sources</i> , <b>2007</b> , 165, 73-81	8.9	51
7	Synthesis and characterization of PtRuMo/C nanoparticle electrocatalyst for direct ethanol fuel cell. <i>Journal of Power Sources</i> , <b>2007</b> , 170, 242-250	8.9	84
6	Platinum Deposition on Multiwalled Carbon Nanotubes by Ion-Exchange Method as Electrocatalysts for Oxygen Reduction. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, B687	3.9	25
5	Investigation of ethanol electrooxidation on a PtRuNi/C catalyst for a direct ethanol fuel cell. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 37-43	8.9	89
4	Effects of MEA preparation on the performance of a direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 1035-1040	8.9	47
3	Effects of ozone treatment of carbon support on PtRu/C catalysts performance for direct methanol fuel cell. <i>Carbon</i> , <b>2006</b> , 44, 133-140	10.4	76
2	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> , 3836-3843	20.1	6
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