

Limin Leng

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.

172
papers

6,716
citations

43
h-index

74
g-index

175
ext. papers

7,856
ext. citations

8.4
avg, IF

6.11
L-index

#	Paper	IF	Citations
172	Hexyl-modified series-connected bipyridine and DABCO di-cations functionalized anion exchange membranes for electrodialysis desalination. <i>Separation and Purification Technology</i> , 2021 , 265, 118526	8.3	6
171	Metallic cobalt encapsulated in N-doped carbon nanowires: a highly active bifunctional catalyst for oxygen reduction and evolution. <i>Ionics</i> , 2021 , 27, 3501-3509	2.7	0
170	Advanced Atomically Dispersed Metal-Nitrogen-Carbon Catalysts Toward Cathodic Oxygen Reduction in PEM Fuel Cells. <i>Advanced Energy Materials</i> , 2021 , 11, 2101222	21.8	33
169	Influence of hydrophobic components tuning of poly (aryl ether sulfone)s ionomers based anion exchange membranes on diffusion dialysis for acid recovery. <i>Journal of Membrane Science</i> , 2021 , 636, 119562	9.6	2
168	Integration of single Co atoms and Ru nanoclusters boosts the cathodic performance of nitrogen-doped 3D graphene in lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10747-10757	7.3	73
167	Robust In ₂ Co ₃ Mnx Nitride-Supported Pt Nanoparticles as High-Performance Bifunctional Electrocatalysts for Zn-Air Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5293-5300	6.1	8
166	Two-Dimensional Bimetallic Zn/Fe-Metal-Organic Framework (MOF)-Derived Porous Carbon Nanosheets with a High Density of Single/Paired Fe Atoms as High-Performance Oxygen Reduction Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13878-13887	9.5	50
165	Mesoporous carbon confined intermetallic nanoparticles as highly durable electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15822-15828	13	28
164	Rationally Designed Three-Dimensional N-Doped Graphene Architecture Mounted with Ru Nanoclusters as a High-Performance Air Cathode for Lithium-Oxygen Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6109-6117	8.3	13
163	Coupling hollow FeO nanoparticles with oxygen vacancy on mesoporous carbon as a high-efficiency ORR electrocatalyst for Zn-air battery. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 410-418	9.3	34
162	Hierarchically open-porous carbon networks enriched with exclusive FeNx active sites as efficient oxygen reduction catalysts towards acidic H ₂ O ₂ PEM fuel cell and alkaline Zn-air battery. <i>Chemical Engineering Journal</i> , 2020 , 390, 124479	14.7	38
161	Versatile Route To Fabricate Precious-Metal Phosphide Electrocatalyst for Acid-Stable Hydrogen Oxidation and Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11737-11744	9.5	24
160	In-situ formation of N doped hollow graphene Nanospheres/CNTs architecture with encapsulated Fe ₃ C@C nanoparticles as efficient bifunctional oxygen electrocatalysts. <i>Journal of Alloys and Compounds</i> , 2020 , 828, 154238	5.7	7
159	Single-Atom Catalysts for Electrochemical Hydrogen Evolution Reaction: Recent Advances and Future Perspectives. <i>Nano-Micro Letters</i> , 2020 , 12, 21	19.5	83
158	Highly permselective tadpole-type ionic anion exchange membranes for electrodialysis desalination. <i>Journal of Membrane Science</i> , 2020 , 600, 117861	9.6	9
157	MOF-Templated sword-like Co ₃ O ₄ @NiCo ₂ O ₄ sheet arrays on carbon cloth as highly efficient Li-O ₂ battery cathode. <i>Journal of Power Sources</i> , 2020 , 450, 227725	8.9	40
156	A strategy to unlock the potential of CrN as a highly active oxygen reduction reaction catalyst. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8575-8585	13	16

155	Yucca-like CoO/CoN Nanoarray with Abundant Oxygen Vacancies as a High-Performance Cathode for Lithium-Oxygen Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12000-12008	6.1	1
154	Effects of Co doping sites on the electrochemical performance of LiNi _{0.5} Mn _{1.5} O ₄ as a cathode material. <i>Ionics</i> , 2020 , 26, 3777-3783	2.7	5
153	Highly conductive and permselective anion exchange membranes for electro dialysis desalination with series-connected dications appending flexible hydrophobic tails. <i>Desalination</i> , 2020 , 474, 114184	10.3	12
152	Efficient hydrogen peroxide synthesis by metal-free polyterthiophene via photoelectrocatalytic dioxygen reduction. <i>Energy and Environmental Science</i> , 2020 , 13, 238-245	35.4	71
151	Design of ultralong-life Li-O ₂ batteries with IrO ₂ nanoparticles highly dispersed on nitrogen-doped carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3763-3770	13	31
150	A mesoporous carbon derived from 4,4'-dipyridyl iron as an efficient catalyst for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2439-2444	13	7
149	Methanol-tolerant Se ⁺ Pt/C: effects of Se content on the structure and electrocatalytic performance for oxygen reduction reaction. <i>Ionics</i> , 2020 , 26, 1315-1323	2.7	4
148	A comparative study on the catalytic activities and stabilities of atomic-layered platinum on dispersed Ti _{0.9} Cu _{0.1} N nanoparticles supported by N-doped carbon nanotubes (N-CNTs) and reduced graphene oxide (N-rGO). <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 1857-1866	6.7	1
147	Enhanced low-humidity performance in a proton exchange membrane fuel cell by developing a novel hydrophilic gas diffusion layer. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 937-944	6.7	13
146	Recent advances in nanostructured transition metal nitrides for fuel cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20803-20818	13	14
145	UIO-66-NH-derived mesoporous carbon used as a high-performance anode for the potassium-ion battery. <i>RSC Advances</i> , 2020 , 11, 1039-1049	3.7	4
144	Antiperovskite Nitrides CuNCoV: Highly Efficient and Durable Electrocatalysts for the Oxygen-Evolution Reaction. <i>Nano Letters</i> , 2019 , 19, 7457-7463	11.5	37
143	Prussian Blue [K ₂ FeFe(CN) ₆] Doped with Nickel as a Superior Cathode: An Efficient Strategy To Enhance Potassium Storage Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16659-16667	8.3	33
142	g-C ₃ N ₄ promoted MOF derived hollow carbon nanopolyhedra doped with high density/fraction of single Fe atoms as an ultra-high performance non-precious catalyst towards acidic ORR and PEM fuel cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5020-5030	13	102
141	Dendrite-Free Composite Li Anode Assisted by Ag Nanoparticles in a Wood-Derived Carbon Frame. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18361-18367	9.5	23
140	Hollow Loofah-Like N, O-Co-Doped Carbon Tube for Electrocatalysis of Oxygen Reduction. <i>Advanced Functional Materials</i> , 2019 , 29, 1900015	15.6	44
139	Uniform Nitrogen and Sulfur Co-doped Carbon Bowls for the Electrocatalyzation of Oxygen Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7148-7154	8.3	9
138	Enhanced performance of LiNi _{0.03} Mo _{0.01} Mn _{1.96} O ₄ cathode materials coated with biomass-derived carbon layer. <i>Ionics</i> , 2019 , 25, 917-925	2.7	2

137	Improving Potassium-Ion Batteries by Optimizing the Composition of Prussian Blue Cathode. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6528-6535	6.1	35
136	Enhancing membrane electrode assembly performance by improving the porous structure and hydrophobicity of the cathode catalyst layer. <i>Journal of Power Sources</i> , 2019 , 443, 227284	8.9	14
135	Rechargeable Zinc-Air Battery with Ultrahigh Power Density Based on Uniform N, Co Codoped Carbon Nanospheres. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44153-44160	9.5	13
134	Atomic Fe-Doped MOF-Derived Carbon Polyhedrons with High Active-Center Density and Ultra-High Performance toward PEM Fuel Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1802856	21.8	142
133	Highly effective and stable doped carbon catalyst with three-dimensional porous structure and well-covered Fe ₃ C nanoparticles prepared with C ₃ N ₄ and tannic acid as template/precursors. <i>Journal of Power Sources</i> , 2019 , 417, 117-124	8.9	13
132	UIO-66-NH ₂ -Derived Mesoporous Carbon Catalyst Co-Doped with Fe/N/S as Highly Efficient Cathode Catalyst for PEMFCs. <i>Small</i> , 2019 , 15, e1803520	11	47
131	Spinel LiMn ₂ O ₄ Nanoparticles Grown in Situ on Nitrogen-Doped Reduced Graphene Oxide as an Efficient Cathode for a Li-O ₂ /Li-Ion Twin Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 430-439	8.3	5
130	Effects of preparation conditions on the morphology and performance of palladium nanostructures. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1525-1533	6.7	1
129	MOF-Derived Carbon Materials Mounted with Highly Dispersed Ru and MoO ₃ for Rechargeable Li-O ₂ Cathode Yield Enhanced Cyclability. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2296-2303	8.3	6
128	High-Performance 3D Pinecone-Like LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Cathode for Lithium-Ion Batteries. <i>Energy Technology</i> , 2019 , 7, 1800769	3.5	6
127	Series-connected hexacations cross-linked anion exchange membranes for diffusion dialysis in acid recovery. <i>Journal of Membrane Science</i> , 2019 , 570-571, 120-129	9.6	27
126	Biomass-derived 3D hierarchical N-doped porous carbon anchoring cobalt-iron phosphide nanodots as bifunctional electrocatalysts for Li O ₂ batteries. <i>Journal of Power Sources</i> , 2019 , 412, 433-441	8.9	20
125	Influence of the ions distribution of anion-exchange membranes on electrodialysis. <i>Desalination</i> , 2018 , 437, 34-44	10.3	16
124	High porosity nitrogen and phosphorous Co-doped carbon nanosheets as an efficient catalyst for oxygen reduction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 9749-9756	6.7	11
123	Synthesis and Properties of Symmetric Side-Chain Quaternized Poly(Arylene Ether Sulfone)s for Anion Exchange Membrane Fuel Cells. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700416	2.6	4
122	Highly Selective TiN-Supported Highly Dispersed Pt Catalyst: Ultra Active toward Hydrogen Oxidation and Inactive toward Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3530-3537	9.5	37
121	Tuning hydrophobic-hydrophilic balance of cathode catalyst layer to improve cell performance of proton exchange membrane fuel cell (PEMFC) by mixing polytetrafluoroethylene (PTFE). <i>Electrochimica Acta</i> , 2018 , 277, 110-115	6.7	27
120	Template-Free Preparation of 3D Porous Co-Doped VN Nanosheet-Assembled Microflowers with Enhanced Oxygen Reduction Activity. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11604-11612	9.5	32

119	Core-shell-Structured Low-Platinum Electrocatalysts for Fuel Cell Applications. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 324-387	29.3	58
118	Cobalt and Nitrogen Co-Doped Graphene-Carbon Nanotube Aerogel as an Efficient Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. <i>Catalysts</i> , 2018 , 8, 275	4	15
117	Enhanced durability and self-humidification of platinum catalyst through decoration with SnSi binary oxide. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 1163-1173	2.6	1
116	Influence of Oxygen Contents on the Microstructure, High Temperature Oxidation and Corrosion Resistance Properties of CrSiO ₂ Coatings. <i>Coatings</i> , 2018 , 8, 19	2.9	3
115	Formation of a Tubular Assembly by Ultrathin Ti _{0.8} Co _{0.2} N Nanosheets as Efficient Oxygen Reduction Electrocatalysts for Hydrogen/Metal-Air Fuel Cells. <i>ACS Catalysis</i> , 2018 , 8, 8970-8975	13.1	115
114	Nanoconfined Nitrogen-Doped Carbon-Coated Hierarchical TiCoN Composites with Enhanced ORR Performance. <i>ChemElectroChem</i> , 2018 , 5, 2041-2049	4.3	10
113	Design of a Multispherical Cavity Carbon with In Situ Silica Modifications and Its Self-Humidification Application on Fuel Cell Anode Support. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800314	4.6	5
112	Nitrogen, Sulfur Co-doped Carbon Derived from Naphthalene-Based Covalent Organic Framework as an Efficient Catalyst for Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2018 , 1, 161-166	6.1	25
111	Three-Dimensional Biocarbon Framework Coupled with Uniformly Distributed FeSe Nanoparticles Derived from Pollen as Bifunctional Electrocatalysts for Oxygen Electrode Reactions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32133-32141	9.5	18
110	Organic-phase synthesis of LiV(PO) ₄ @Carbon nanocrystals and their lithium storage properties.. <i>RSC Advances</i> , 2018 , 8, 19335-19340	3.7	4
109	A renewable wood-derived cathode for LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14291-14298	14.298	24
108	A high-performance composite ORR catalyst based on the synergy between binary transition metal nitride and nitrogen-doped reduced graphene oxide. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5829-5837	13	70
107	Well-Defined ZIF-Derived Fe-N Codoped Carbon Nanoframes as Efficient Oxygen Reduction Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9699-9709	9.5	134
106	Randomly oriented NiP/nanofiber/nanotube composite prepared by electrolessly plated nickel-phosphorus alloys for fuel cell applications. <i>Journal of Materials Science</i> , 2017 , 52, 8432-8443	4.3	9
105	In situ growth of cobalt sulfide hollow nanospheres embedded in nitrogen and sulfur co-doped graphene nanoholes as a highly active electrocatalyst for oxygen reduction and evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12354-12360	13	84
104	In situ construction of Ir@Pt/C nanoparticles in the cathode layer of membrane electrode assemblies with ultra-low Pt loading and high Pt exposure. <i>Journal of Power Sources</i> , 2017 , 355, 83-89	8.9	39
103	High-Performance Core-shell Catalyst with Nitride Nanoparticles as a Core: Well-Defined Titanium Copper Nitride Coated with an Atomic Pt Layer for the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2017 , 7, 3810-3817	13.1	65
102	Synthesis and properties of hydroxide conductive polymers carrying dense aromatic side-chain quaternary ammonium groups. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 823-836	3.5	3

101	A Co-doped porous niobium nitride nanogrid as an effective oxygen reduction catalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14278-14285	13	31
100	Uniform nitrogen and sulphur co-doped hollow carbon nanospheres as efficient metal-free electrocatalysts for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1742-1748	13	44
99	Uniformly dispersed carbon-supported bimetallic ruthenium-platinum electrocatalysts for the methanol oxidation reaction. <i>Journal of Materials Science</i> , 2017 , 52, 3457-3466	4.3	14
98	Platinum-decorated palladium-nanoflowers as high efficient low platinum catalyst towards oxygen reduction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22909-22914	6.7	9
97	From Chlorella to Nestlike Framework Constructed with Doped Carbon Nanotubes: A Biomass-Derived, High-Performance, Bifunctional Oxygen Reduction/Evolution Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32168-32178	9.5	47
96	Enhanced performance of proton exchange membrane fuel cell by introducing nitrogen-doped CNTs in both catalyst layer and gas diffusion layer. <i>Electrochimica Acta</i> , 2017 , 253, 142-150	6.7	14
95	IrO ₂ nanoparticles highly dispersed on nitrogen-doped carbon nanotubes as an efficient cathode catalyst for high-performance Li-O ₂ batteries. <i>Ceramics International</i> , 2017 , 43, 14082-14089	5.1	38
94	Atomic platinum layer coated titanium copper nitride supported on carbon nanotubes for the methanol oxidation reaction. <i>Electrochimica Acta</i> , 2017 , 248, 349-355	6.7	14
93	Influence of 2,2',6,6'-tetramethyl biphenol-based anion-exchange membranes on the diffusion dialysis of hydrochloride acid. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45333	2.9	11
92	Enhancing the cyclability of LiO ₂ batteries using PdM alloy nanoparticles anchored on nitrogen-doped reduced graphene as the cathode catalyst. <i>Journal of Power Sources</i> , 2017 , 337, 173-179	8.9	34
91	Design and Fabrication of a Dual-Photoelectrode Fuel Cell towards Cost-Effective Electricity Production from Biomass. <i>ChemSusChem</i> , 2017 , 10, 99-105	8.3	39
90	Platinum Nanoparticles on Interconnected Ni ₃ P/Carbon Nanotube-Carbon Nanofiber Hybrid Supports with Enhanced Catalytic Activity for Fuel Cells. <i>ChemElectroChem</i> , 2017 , 4, 109-114	4.3	7
89	Cobalt and Nitrogen Codoped Graphene with Inserted Carbon Nanospheres as an Efficient Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4131-4136	8.3	84
88	Photoassisted Oxygen Reduction Reaction in H ₂ -O ₂ Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14748-14751	16.4	63
87	Construction of a high-performance air-breathing cathode using platinum catalyst supported by carbon black and carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 9191-9196	6.7	4
86	Lithium-rich layered nickel-manganese oxides as high-performance cathode materials: the effects of composition and PEG on performance. <i>Ionics</i> , 2016 , 22, 2067-2073	2.7	
85	High-performance membrane electrode assembly with multi-functional Pt/SnO ₂ /BiO ₂ /C catalyst for proton exchange membrane fuel cell operated under low-humidity conditions. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 9197-9203	6.7	12
84	Transition Metal Nitride Coated with Atomic Layers of Pt as a Low-Cost, Highly Stable Electrocatalyst for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1575-83	16.4	279

83	Large-Scale Synthesis of Monodisperse Red Blood Cell (RBC)-Like Polymer Particles. <i>ACS Macro Letters</i> , 2016 , 5, 174-176	6.6	34
82	A core-shell Pd ₁ Ru ₁ Ni ₂ @Pt/C catalyst with a ternary alloy core and Pt monolayer: enhanced activity and stability towards the oxygen reduction reaction by the addition of Ni. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 847-855	13	32
81	Effects of tailoring and dehydrated cross-linking on morphology evolution of ordered mesoporous carbons. <i>RSC Advances</i> , 2016 , 6, 19515-19521	3.7	8
80	Effect of Redox Cocatalysts Location on Photocatalytic Overall Water Splitting over Cubic NaTaO ₃ Semiconductor Crystals Exposed with Equivalent Facets. <i>ACS Catalysis</i> , 2016 , 6, 2182-2191	13.1	128
79	Doped reduced graphene oxide mounted with IrO ₂ nanoparticles shows significantly enhanced performance as a cathode catalyst for Li-O ₂ batteries. <i>Electrochimica Acta</i> , 2016 , 192, 431-438	6.7	16
78	Nitrogen self-doped carbon nanoparticles derived from spiral seaweeds for oxygen reduction reaction. <i>RSC Advances</i> , 2016 , 6, 27535-27541	3.7	15
77	Simultaneous doping of nitrogen and fluorine into reduced graphene oxide: A highly active metal-free electrocatalyst for oxygen reduction. <i>Carbon</i> , 2016 , 99, 272-279	10.4	46
76	Biomass-derived porous heteroatom-doped carbon spheres as a high-performance catalyst for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 14101-14110	6.7	44
75	Core/shell PSt/P(BA ₃ AA) composite particles by two-stage emulsion polymerization. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	3
74	Multi-block copolymers with fluorene-containing hydrophilic segments densely functionalized by side-chain quaternary ammonium groups as anion exchange membranes. <i>RSC Advances</i> , 2016 , 6, 41453-41464	3.7	11
73	A hollow spherical doped carbon catalyst derived from zeolitic imidazolate framework nanocrystals impregnated/covered with iron phthalocyanines. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7859-7868	13	30
72	High porosity and surface area self-doped carbon derived from polyacrylonitrile as efficient electrocatalyst towards oxygen reduction. <i>Journal of Power Sources</i> , 2016 , 324, 134-141	8.9	29
71	Limitations and Improvement Strategies for Early-Transition-Metal Nitrides as Competitive Catalysts toward the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2016 , 6, 6165-6174	13.1	81
70	Photoassisted Oxygen Reduction Reaction in H ₂ O ₂ Fuel Cells. <i>Angewandte Chemie</i> , 2016 , 128, 14968-14971	3.7	21
69	Fog-like fluffy structured N-doped carbon with a superior oxygen reduction reaction performance to a commercial Pt/C catalyst. <i>Nanoscale</i> , 2015 , 7, 3780-5	7.7	31
68	A novel stability-enhanced lithium-oxygen battery with cellulose-based composite polymer gel as the electrolyte. <i>Electrochimica Acta</i> , 2015 , 176, 1108-1115	6.7	43
67	Ultra-high-performance core-shell structured Ru@Pt/C catalyst prepared by a facile pulse electrochemical deposition method. <i>Scientific Reports</i> , 2015 , 5, 11604	4.9	17
66	Facile synthesis of high dispersion Fe ₂ O ₃ @Au nanoparticles within mesoporous silica spheres. <i>RSC Advances</i> , 2015 , 5, 49914-49919	3.7	2

65	High-Performance, Ultralow Platinum Membrane Electrode Assembly Fabricated by In Situ Deposition of a Pt Shell Layer on Carbon-Supported Pd Nanoparticles in the Catalyst Layer Using a Facile Pulse Electrodeposition Approach. <i>ACS Catalysis</i> , 2015 , 5, 4318-4324	13.1	42
64	Pd nanoparticles decorating flower-like Co ₃ O ₄ nanowire clusters to form an efficient, carbon/binder-free cathode for LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15626-15632	13	63
63	Binary transition metal nitrides with enhanced activity and durability for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16801-16809	13	87
62	High-Performance MEA Prepared by Direct Deposition of Platinum on the Gas Diffusion Layer Using an Atomic Layer Deposition Technique. <i>Electrochimica Acta</i> , 2015 , 177, 168-173	6.7	14
61	Nitrogen, phosphorus and iron doped carbon nanospheres with high surface area and hierarchical porous structure for oxygen reduction. <i>Journal of Power Sources</i> , 2015 , 288, 253-260	8.9	44
60	Enhancing the cycling stability of a carbonate-based electrolyte for high-voltage lithium batteries by adding succinic anhydride. <i>Ionics</i> , 2015 , 21, 2535-2542	2.7	11
59	Ruthenium nanoparticles mounted on multielement co-doped graphene: an ultra-high-efficiency cathode catalyst for LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11224-11231	13	57
58	An ultra high performance multi-element doped mesoporous carbon catalyst derived from poly(4-vinylpyridine). <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23512-23519	13	12
57	Mesoporous silica nanoparticle supported PdIr bimetal catalyst for selective hydrogenation, and the significant promotional effect of Ir. <i>Applied Surface Science</i> , 2015 , 357, 558-563	6.7	14
56	Three dimensional palladium nanoflowers with enhanced electrocatalytic activity towards the anodic oxidation of formic acid. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 973-977	13	13
55	Tin and Silicon Binary Oxide on the Carbon Support of a Pt Electrocatalyst with Enhanced Activity and Durability. <i>ACS Catalysis</i> , 2015 , 5, 2242-2249	13.1	38
54	Improvement of proton exchange membrane fuel cell performance in low-humidity conditions by adding hygroscopic agarose powder to the catalyst layer. <i>Journal of Power Sources</i> , 2015 , 273, 168-173	8.9	9
53	Enhanced low-humidity performance in a proton exchange membrane fuel cell by the insertion of microcrystalline cellulose between the gas diffusion layer and the anode catalyst layer. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 15613-15621	6.7	16
52	Conversion of Biomass Derivatives to Electricity in Photo Fuel Cells using Undoped and Tungsten-doped Bismuth Vanadate Photoanodes. <i>ChemSusChem</i> , 2015 , 8, 4049-55	8.3	33
51	Phosphorus and Nitrogen Dual Doped and Simultaneously Reduced Graphene Oxide with High Surface Area as Efficient Metal-Free Electrocatalyst for Oxygen Reduction. <i>Catalysts</i> , 2015 , 5, 981-991	4	84
50	Enhanced water management in the cathode of an air-breathing PEMFC using a dual catalyst layer and optimizing the gas diffusion and microporous layers. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 3961-3967	6.7	36
49	Nitrogen and Fluorine co-doped carbon catalyst with high oxygen reduction performance, prepared by pyrolyzing a mixture of melamine and PTFE. <i>Electrochimica Acta</i> , 2015 , 182, 963-970	6.7	21
48	Base-Free Oxidation of Alcohols to Esters at Room Temperature and Atmospheric Conditions using Nanoscale Co-Based Catalysts. <i>ACS Catalysis</i> , 2015 , 5, 1850-1856	13.1	247

47	Ultra-high-performance doped carbon catalyst derived from o-phenylenediamine and the probable roles of Fe and melamine. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 60-69	21.8	43
46	Anion exchange membranes by bromination of benzylmethyl-containing poly(arylene ether)s for alkaline membrane fuel cells. <i>RSC Advances</i> , 2014 , 4, 29682-29693	3.7	21
45	Assessing the influence of side-chain and main-chain aromatic benzyltrimethyl ammonium on anion exchange membranes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7585-95	9.5	71
44	Conversion of polystyrene foam to a high-performance doped carbon catalyst with ultrahigh surface area and hierarchical porous structures for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12240-12246	13	48
43	Cross-linked multiblock copoly(arylene ether sulfone) ionomer/nano-ZrO ₂ composite anion exchange membranes for alkaline fuel cells. <i>RSC Advances</i> , 2014 , 4, 41398-41410	3.7	41
42	High performance of core-shell structured Ir@Pt/C catalyst prepared by a facile pulse electrochemical deposition. <i>Electrochemistry Communications</i> , 2014 , 46, 115-119	5.1	13
41	Facile one-pot approach to the synthesis of spherical mesoporous silica nanoflowers with hierarchical pore structure. <i>Applied Surface Science</i> , 2014 , 314, 7-14	6.7	23
40	A one-pot method to synthesize high performance multielement co-doped reduced graphene oxide catalysts for oxygen reduction. <i>Electrochemistry Communications</i> , 2014 , 47, 49-53	5.1	21
39	Synthesis of three-dimensional Pd nanospheres decorated with a Pt monolayer for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 14018-14026	6.7	11
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