

# Limin Leng

## List of Publications by Year in descending order

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175  
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36203

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Significant Enhancement of the Capacity and Cycling Stability of Lithium-Rich Manganese-Based Layered Cathode Materials via Molybdenum Surface Modification. <i>Molecules</i> , 2022, 27, 2100.	1.7	4
2	Methods for Remit Voltage Reversal of Proton Exchange Membrane Fuel Cells. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	1
3	Optimizing the Electronic Structure of Ordered Pt-Co-Ti Ternary Intermetallic Catalyst to Boost Acidic Oxygen Reduction. <i>ACS Catalysis</i> , 2022, 12, 7571-7578.	5.5	31
4	Hexyl-modified series-connected bipyridine and DABCO di-cations functionalized anion exchange membranes for electro dialysis desalination. <i>Separation and Purification Technology</i> , 2021, 265, 118526.	3.9	18
5	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.	1.2	2
6	Advanced Atomically Dispersed Metal-Nitrogen-Carbon Catalysts Toward Cathodic Oxygen Reduction in PEM Fuel Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2101222.	10.2	109
7	Biogelatin-Derived and N,S-Codoped 3D Network Carbon Materials Anchored with RuO <sub>2</sub> as an Efficient Cathode for Rechargeable Li-O <sub>2</sub> Batteries. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21914-21921.	1.5	7
8	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.	4.1	23
9	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.	5.2	31
10	UIO-66-NH <sub>2</sub> -derived mesoporous carbon used as a high-performance anode for the potassium-ion battery. <i>RSC Advances</i> , 2021, 11, 1039-1049.	1.7	10
11	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.	4.0	29
12	Efficient hydrogen peroxide synthesis by metal-free polyterthiophene <i>via</i> photoelectrocatalytic dioxygen reduction. <i>Energy and Environmental Science</i> , 2020, 13, 238-245.	15.6	146
13	Design of ultralong-life Li-CO <sub>2</sub> batteries with IrO <sub>2</sub> nanoparticles highly dispersed on nitrogen-doped carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3763-3770.	5.2	58
14	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.	5.2	12
15	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.	1.2	9
16	A comparative study on the catalytic activities and stabilities of atomic-layered platinum on dispersed Ti <sub>0.9</sub> Cu <sub>0.1</sub> 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.	3.8	2
17	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.	3.8	34
18	Recent advances in nanostructured transition metal nitrides for fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20803-20818.	5.2	45

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19	Robust InNCo <sub>3</sub> Mn Nitride-Supported Pt Nanoparticles as High-Performance Bifunctional Electrocatalysts for Zn-Air Batteries. ACS Applied Energy Materials, 2020, 3, 5293-5300.	2.5	13
20	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. ACS Applied Materials & Interfaces, 2020, 12, 13878-13887.	4.0	100
21	Mesoporous carbon confined intermetallic nanoparticles as highly durable electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2020, 8, 15822-15828.	5.2	58
22	Rationally Designed Three-Dimensional N-Doped Graphene Architecture Mounted with Ru Nanoclusters as a High-Performance Air Cathode for Lithium-Oxygen Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 6109-6117.	3.2	28
23	Coupling hollow Fe <sub>3</sub> O <sub>4</sub> nanoparticles with oxygen vacancy on mesoporous carbon as a high-efficiency ORR electrocatalyst for Zn-air battery. Journal of Colloid and Interface Science, 2020, 567, 410-418.	5.0	75
24	Hierarchically open-porous carbon networks enriched with exclusive Fe-Nx active sites as efficient oxygen reduction catalysts towards acidic H <sub>2</sub> O <sub>2</sub> PEM fuel cell and alkaline Zn-air battery. Chemical Engineering Journal, 2020, 390, 124479.	6.6	61
25	Versatile Route To Fabricate Precious-Metal Phosphide Electrocatalyst for Acid-Stable Hydrogen Oxidation and Evolution Reactions. ACS Applied Materials & Interfaces, 2020, 12, 11737-11744.	4.0	37
26	In-situ formation of N doped hollow graphene Nanospheres/CNTs architecture with encapsulated Fe <sub>3</sub> C@C nanoparticles as efficient bifunctional oxygen electrocatalysts. Journal of Alloys and Compounds, 2020, 828, 154238.	2.8	16
27	Single-Atom Catalysts for Electrochemical Hydrogen Evolution Reaction: Recent Advances and Future Perspectives. Nano-Micro Letters, 2020, 12, 21.	14.4	159
28	Highly permselective tadpole-type ionic anion exchange membranes for electrodialysis desalination. Journal of Membrane Science, 2020, 600, 117861.	4.1	19
29	MOF-Templated sword-like Co <sub>3</sub> O <sub>4</sub> @NiCo <sub>2</sub> O <sub>4</sub> sheet arrays on carbon cloth as highly efficient Li-O <sub>2</sub> battery cathode. Journal of Power Sources, 2020, 450, 227725.	4.0	62
30	A strategy to unlock the potential of CrN as a highly active oxygen reduction reaction catalyst. Journal of Materials Chemistry A, 2020, 8, 8575-8585.	5.2	38
31	Effects of Co doping sites on the electrochemical performance of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> as a cathode material. Ionics, 2020, 26, 3777-3783.	1.2	9
32	Yucca-like CoO-CoN Nanoarray with Abundant Oxygen Vacancies as a High-Performance Cathode for Lithium-Oxygen Batteries. ACS Applied Energy Materials, 2020, 3, 12000-12008.	2.5	8
33	Enhanced performance of LiNi <sub>0.03</sub> Mo <sub>0.01</sub> Mn <sub>1.96</sub> O <sub>4</sub> cathode materials coated with biomass-derived carbon layer. Ionics, 2019, 25, 917-925.	1.2	2
34	Improving Potassium-Ion Batteries by Optimizing the Composition of Prussian Blue Cathode. ACS Applied Energy Materials, 2019, 2, 6528-6535.	2.5	65
35	Enhancing membrane electrode assembly performance by improving the porous structure and hydrophobicity of the cathode catalyst layer. Journal of Power Sources, 2019, 443, 227284.	4.0	29
36	Rechargeable Zinc-Air Battery with Ultrahigh Power Density Based on Uniform N, Co Codoped Carbon Nanospheres. ACS Applied Materials & Interfaces, 2019, 11, 44153-44160.	4.0	20

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37	Antiperovskite Nitrides CuNCo <sub>3</sub> V: Highly Efficient and Durable Electrocatalysts for the Oxygen-Evolution Reaction. Nano Letters, 2019, 19, 7457-7463.	4.5	62
38	Prussian Blue [K <sub>2</sub> FeFe(CN) <sub>6</sub> ] Doped with Nickel as a Superior Cathode: An Efficient Strategy To Enhance Potassium Storage Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 16659-16667.	3.2	52
39	g-C <sub>3</sub> N <sub>4</sub> 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. Journal of Materials Chemistry A, 2019, 7, 5020-5030.	5.2	152
40	Dendrite-Free Composite Li Anode Assisted by Ag Nanoparticles in a Wood-Derived Carbon Frame. ACS Applied Materials & Interfaces, 2019, 11, 18361-18367.	4.0	33
41	Hollow Loofah-Like N, O-Co-Doped Carbon Tube for Electrocatalysis of Oxygen Reduction. Advanced Functional Materials, 2019, 29, 1900015.	7.8	68
42	Uniform Nitrogen and Sulfur Co-doped Carbon Bowls for the Electrocatalyzation of Oxygen Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 7148-7154.	3.2	13
43	Atomic Fe-Doped MOF-Derived Carbon Polyhedrons with High Active-Center Density and Ultra-High Performance toward PEM Fuel Cells. Advanced Energy Materials, 2019, 9, 1802856.	10.2	196
44	Highly effective and stable doped carbon catalyst with three-dimensional porous structure and well-covered Fe <sub>3</sub> C nanoparticles prepared with C <sub>3</sub> N <sub>4</sub> and tannic acid as template/precursors. Journal of Power Sources, 2019, 417, 117-124.	4.0	19
45	UIO-66-NH <sub>2</sub> -Derived Mesoporous Carbon Catalyst Co-Doped with Fe/N/S as Highly Efficient Cathode Catalyst for PEMFCs. Small, 2019, 15, e1803520.	5.2	73
46	Spinel LiMn <sub>2</sub> O <sub>4</sub> Nanoparticles Grown in Situ on Nitrogen-Doped Reduced Graphene Oxide as an Efficient Cathode for a Li-O <sub>2</sub> /Li-Ion Twin Battery. ACS Sustainable Chemistry and Engineering, 2019, 7, 430-439.	3.2	11
47	Effects of preparation conditions on the morphology and performance of palladium nanostructures. International Journal of Hydrogen Energy, 2019, 44, 1525-1533.	3.8	1
48	MOF-Derived Carbon Materials Mounted with Highly Dispersed Ru and MoO <sub>3</sub> for Rechargeable Li-O <sub>2</sub> Cathode Yield Enhanced Cyclability. ACS Sustainable Chemistry and Engineering, 2019, 7, 2296-2303.	3.2	9
49	High-Performance 3D Pinecone-Like LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathode for Lithium-Ion Batteries. Energy Technology, 2019, 7, 1800769.	1.8	8
50	Series-connected hexacations cross-linked anion exchange membranes for diffusion dialysis in acid recovery. Journal of Membrane Science, 2019, 570-571, 120-129.	4.1	50
51	Biomass-derived 3D hierarchical N-doped porous carbon anchoring cobalt-iron phosphide nanodots as bifunctional electrocatalysts for Li O <sub>2</sub> batteries. Journal of Power Sources, 2019, 412, 433-441.	4.0	23
52	Influence of the ions distribution of anion-exchange membranes on electro dialysis. Desalination, 2018, 437, 34-44.	4.0	22
53	High porosity nitrogen and phosphorous Co-doped carbon nanosheets as an efficient catalyst for oxygen reduction. International Journal of Hydrogen Energy, 2018, 43, 9749-9756.	3.8	12
54	Synthesis and Properties of Symmetric Side-Chain Quaternized Poly(Arylene Ether Sulfone)s for Anion Exchange Membrane Fuel Cells. Macromolecular Chemistry and Physics, 2018, 219, 1700416.	1.1	4

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55	Highly Selective TiN-Supported Highly Dispersed Pt Catalyst: Ultra Active toward Hydrogen Oxidation and Inactive toward Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3530-3537.	4.0	48
56	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.	2.6	47
57	Template-Free Preparation of 3D Porous Co-Doped VN Nanosheet-Assembled Microflowers with Enhanced Oxygen Reduction Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11604-11612.	4.0	47
58	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.	2.5	36
59	Three-Dimensional Biocarbon Framework Coupled with Uniformly Distributed FeSe Nanoparticles Derived from Pollen as Bifunctional Electrocatalysts for Oxygen Electrode Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32133-32141.	4.0	29
60	Organic-phase synthesis of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @Carbon nanocrystals and their lithium storage properties. <i>RSC Advances</i> , 2018, 8, 19335-19340.	1.7	6
61	A renewable wood-derived cathode for Li-O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14291-14298.	5.2	38
62	Core-Shell-Structured Low-Platinum Electrocatalysts for Fuel Cell Applications. <i>Electrochemical Energy Reviews</i> , 2018, 1, 324-387.	13.1	72
63	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.	1.6	24
64	Enhanced durability and self-humidification of platinum catalyst through decoration with SnSi binary oxide. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1163-1173.	1.5	5
65	Influence of Oxygen Contents on the Microstructure, High Temperature Oxidation and Corrosion Resistance Properties of Cr-Si-O-N Coatings. <i>Coatings</i> , 2018, 8, 19.	1.2	3
66	Formation of a Tubular Assembly by Ultrathin Ti <sub>0.8</sub> Co <sub>0.2</sub> N Nanosheets as Efficient Oxygen Reduction Electrocatalysts for Hydrogen/Metal-Air Fuel Cells. <i>ACS Catalysis</i> , 2018, 8, 8970-8975.	5.5	147
67	Nanoconfined Nitrogen-Doped Carbon-Coated Hierarchical TiCoN Composites with Enhanced ORR Performance. <i>ChemElectroChem</i> , 2018, 5, 2041-2049.	1.7	19
68	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.	1.9	6
69	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.	5.2	93
70	Well-Defined ZIF-Derived Fe-N Codoped Carbon Nanoframes as Efficient Oxygen Reduction Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9699-9709.	4.0	196
71	Randomly oriented Ni-P/nanofiber/nanotube composite prepared by electrolessly plated nickel-phosphorus alloys for fuel cell applications. <i>Journal of Materials Science</i> , 2017, 52, 8432-8443.	1.7	12
72	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.	5.2	93

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73	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.	4.0	45
74	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.	5.5	84
75	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.	2.0	3
76	A Co-doped porous niobium nitride nanogrid as an effective oxygen reduction catalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14278-14285.	5.2	51
77	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.	5.2	51
78	Uniformly dispersed carbon-supported bimetallic ruthenium-platinum electrocatalysts for the methanol oxidation reaction. <i>Journal of Materials Science</i> , 2017, 52, 3457-3466.	1.7	16
79	Platinum-decorated palladium-nanoflowers as high efficient low platinum catalyst towards oxygen reduction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22909-22914.	3.8	12
80	From <i>Chlorella</i> to Nestlike Framework Constructed with Doped Carbon Nanotubes: A Biomass-Derived, High-Performance, Bifunctional Oxygen Reduction/Evolution Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32168-32178.	4.0	63
81	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.	2.6	26
82	IrO <sub>2</sub> nanoparticles highly dispersed on nitrogen-doped carbon nanotubes as an efficient cathode catalyst for high-performance Li-O <sub>2</sub> batteries. <i>Ceramics International</i> , 2017, 43, 14082-14089.	2.3	46
83	Atomic platinum layer coated titanium copper nitride supported on carbon nanotubes for the methanol oxidation reaction. <i>Electrochimica Acta</i> , 2017, 248, 349-355.	2.6	19
84	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.	1.3	19
85	Enhancing the cyclability of Li-O <sub>2</sub> 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.	4.0	43
86	Design and Fabrication of a Dual-Photoelectrode Fuel Cell towards Cost-Effective Electricity Production from Biomass. <i>ChemSusChem</i> , 2017, 10, 99-105.	3.6	51
87	Platinum Nanoparticles on Interconnected Ni <sub>3</sub> P/Carbon Nanotube-Carbon Nanofiber Hybrid Supports with Enhanced Catalytic Activity for Fuel Cells. <i>ChemElectroChem</i> , 2017, 4, 109-114.	1.7	7
88	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.	3.8	54
89	Core-corona PSt/P(BA-AA) composite particles by two-stage emulsion polymerization. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	3
90	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.	1.7	13

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91	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.	5.2	37
92	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.	4.0	31
93	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.	5.5	130
94	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.	3.2	101
95	Photoassisted Oxygen Reduction Reaction in H <sub>2</sub> /O <sub>2</sub> Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14748-14751.	7.2	81
96	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.	3.8	8
97	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.	1.2	0
98	High-performance membrane electrode assembly with multi-functional Pt/SnO <sub>2</sub> /SiO <sub>2</sub> /C catalyst for proton exchange membrane fuel cell operated under low-humidity conditions. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9197-9203.	3.8	20
99	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, 1575-1583.	6.6	348
100	Large-Scale Synthesis of Monodisperse Red Blood Cell (RBC)-Like Polymer Particles. <i>ACS Macro Letters</i> , 2016, 5, 174-176.	2.3	42
101	A core-shell Pd <sub>1</sub> Ru <sub>1</sub> Ni <sub>2</sub> @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.	5.2	40
102	Effects of tailoring and dehydrated cross-linking on morphology evolution of ordered mesoporous carbons. <i>RSC Advances</i> , 2016, 6, 19515-19521.	1.7	9
103	Effect of Redox Cocatalysts Location on Photocatalytic Overall Water Splitting over Cubic NaTaO <sub>3</sub> Semiconductor Crystals Exposed with Equivalent Facets. <i>ACS Catalysis</i> , 2016, 6, 2182-2191.	5.5	149
104	Doped reduced graphene oxide mounted with IrO <sub>2</sub> nanoparticles shows significantly enhanced performance as a cathode catalyst for Li-O <sub>2</sub> batteries. <i>Electrochimica Acta</i> , 2016, 192, 431-438.	2.6	20
105	Nitrogen self-doped carbon nanoparticles derived from spiral seaweeds for oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 27535-27541.	1.7	21
106	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.	5.4	65
107	Photoassisted Oxygen Reduction Reaction in H <sub>2</sub> /O <sub>2</sub> Fuel Cells. <i>Angewandte Chemie</i> , 2016, 128, 14968-14971.	1.6	25
108	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.	3.8	22

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109	Conversion of Biomass Derivatives to Electricity in Photo Fuel Cells using Undoped and Tungsten-doped Bismuth Vanadate Photoanodes. <i>ChemSusChem</i> , 2015, 8, 4049-4055.	3.6	41
110	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.	1.6	122
111	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.	3.8	45
112	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.	2.6	34
113	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.	5.5	291
114	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, 3780-3785.	2.8	34
115	A novel stability-enhanced lithium-oxygen battery with cellulose-based composite polymer gel as the electrolyte. <i>Electrochimica Acta</i> , 2015, 176, 1108-1115.	2.6	58
116	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.	1.6	21
117	Facile synthesis of high dispersion $\text{Fe}_3\text{O}_4$ @Au nanoparticles within mesoporous silica spheres. <i>RSC Advances</i> , 2015, 5, 49914-49919.	1.7	2
118	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.	5.5	64
119	Pd nanoparticles decorating flower-like $\text{Co}_3\text{O}_4$ nanowire clusters to form an efficient, carbon/binder-free cathode for $\text{Li-O}_2$ batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15626-15632.	5.2	67
120	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.	5.2	115
121	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.	2.6	18
122	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.	4.0	55
123	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.	1.2	12
124	Ruthenium nanoparticles mounted on multielement co-doped graphene: an ultra-high-efficiency cathode catalyst for $\text{Li-O}_2$ batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11224-11231.	5.2	61
125	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.	5.2	16
126	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.	3.1	15



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127	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.	5.2	16
128	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.	5.5	46
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