

Li Du

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.

65
papers

3,199
citations

29
h-index

56
g-index

67
ext. papers

3,809
ext. citations

9.6
avg, IF

5.44
L-index

#	Paper	IF	Citations
65	Enabling Scalable Polymer Electrolyte with Synergetic Ion Conductive Channels via a Two Stage Rheology Tuning UV Polymerization Strategy.. <i>Small</i> , 2022 , e2202013	11	1
64	Co N-Decorated 3D Wood-Derived Carbon Host Enables Enhanced Cathodic Electrocatalysis and Homogeneous Lithium Deposition for Lithium-Sulfur Full Cells. <i>Small</i> , 2021 , e2105664	11	3
63	Recent Advances and Perspectives in Lithium-Sulfur Pouch Cells. <i>Molecules</i> , 2021 , 26,	4.8	1
62	Inhibition of Polysulfide Shuttles in LiS Batteries: Modified Separators and Solid-State Electrolytes. <i>Advanced Energy Materials</i> , 2021 , 11, 2000779	21.8	72
61	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
60	Robust InNiCo 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
59	Composition-Tunable Antiperovskite Cu In NNi as Superior Electrocatalysts for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17488-17493	16.4	15
58	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
57	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
56	Hybrid Charge-Storage Route to Nb ₂ CTx MXene as Anode for Sodium-Ion Batteries. <i>ChemistrySelect</i> , 2020 , 5, 1186-1192	1.8	13
55	An Efficient Bifunctional Electrocatalyst of Phosphorous Carbon Co-doped MOFs. <i>Nanoscale Research Letters</i> , 2020 , 15, 169	5	1
54	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
53	Composition-Tunable Antiperovskite CuxIn _{1-x} NNi ₃ as Superior Electrocatalysts for the Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2020 , 132, 17641-17646	3.6	3
52	Recent advances in nanostructured transition metal nitrides for fuel cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20803-20818	13	14
51	Antiperovskite Nitrides CuNiCoV: Highly Efficient and Durable Electrocatalysts for the Oxygen-Evolution Reaction. <i>Nano Letters</i> , 2019 , 19, 7457-7463	11.5	37
50	Glucose-derived carbon supported well-dispersed CrN as competitive oxygen reduction catalysts in acidic medium. <i>Electrochimica Acta</i> , 2019 , 314, 202-211	6.7	7
49	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

48	Superior lithium-storage properties derived from a high pseudocapacitance behavior for a peony-like holey Co ₃ O ₄ anode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8327-8334	13	29
47	An Investigation into the Charge-Storage Mechanism of MnO@Graphite as Anode for Lithium-Ion Batteries at Low Temperature. <i>ChemElectroChem</i> , 2019 , 6, 2248-2253	4.3	17
46	Structurally Ordered Fe ₃ Pt Nanoparticles on Robust Nitride Support as a High Performance Catalyst for the Oxygen Reduction Reaction. <i>Advanced Energy Materials</i> , 2019 , 9, 1803040	21.8	68
45	Nitrogen-doped carbon nanoflower with superior ORR performance in both alkaline and acidic electrolyte and enhanced durability. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 4311-4320	6.7	24
44	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
43	An efficient carbon catalyst supports with mesoporous graphene-like morphology. <i>Journal of Porous Materials</i> , 2018 , 25, 913-921	2.4	2
42	Core-Shell-Structured Low-Platinum Electrocatalysts for Fuel Cell Applications. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 324-387	29.3	58
41	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
40	Nanoconfined Nitrogen-Doped Carbon-Coated Hierarchical TiCoN Composites with Enhanced ORR Performance. <i>ChemElectroChem</i> , 2018 , 5, 2041-2049	4.3	10
39	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
38	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
37	A renewable wood-derived cathode for Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14291-14298	14.2	24
36	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
35	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
34	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
33	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
32	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
31	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

30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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
21	Photocatalytic Water Splitting Towards Hydrogen Production on Gold Nanoparticles (NPs) Entrapped in TiO ₂ Nanotubes. <i>Catalysis Letters</i> , 2015 , 145, 1771-1777	2.8	30
20	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
19	Nitrogen-doped ordered mesoporous carbon: synthesis and active sites for electrocatalysis of oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 566-571	21.8	156
18	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
17	Self-humidifying membrane electrode assembly prepared by adding microcrystalline cellulose in anode catalyst layer as preserve moisture. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 12842-12848	6.7	7
16	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
15	Effect of Transition Metals on the Structure and Performance of the Doped Carbon Catalysts Derived From Polyaniline and Melamine for ORR Application. <i>ACS Catalysis</i> , 2014 , 4, 3797-3805	13.1	275
14	A pulse electrochemical deposition method to prepare membrane electrode assemblies with ultra-low anode Pt loadings through in situ construction of active core-shell nanoparticles on an electrode. <i>Journal of Power Sources</i> , 2014 , 260, 27-33	8.9	21
13	Pulse electrodeposition to prepare core-shell structured AuPt@Pd/C catalyst for formic acid fuel cell application. <i>Journal of Power Sources</i> , 2014 , 246, 659-666	8.9	24

12	Effect of Ni Core Structure on the Electrocatalytic Activity of Pt-Ni/C in Methanol Oxidation. <i>Materials</i> , 2013 , 6, 2689-2700	3.5	16
11	Tuning the Catalytic Activity of [email[protected]] CoreShell Nanoparticles for the Oxygen Reduction Reaction by Varying the Shell Thickness. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 1748-1753 ^{3,8}	3.8	120
10	Immobilization of highly active Pd nano-catalysts on functionalized mesoporous silica supports using mercapto groups as anchoring sites and their catalytic performance for phenol hydrogenation. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 1519-1526	11.3	8
9	High Performance Fe- and N- Doped Carbon Catalyst with Graphene Structure for Oxygen Reduction. <i>Scientific Reports</i> , 2013 , 3,	4.9	454
8	Binary oxide-doped Pt/RuO ₂ /BiOx/C catalyst with high performance and self-humidification capability: The promotion of ruthenium oxide. <i>Journal of Power Sources</i> , 2012 , 205, 201-206	8.9	12
7	Preparation of nitrogen-doped carbon nanotube arrays and their catalysis towards cathodic oxygen reduction in acidic and alkaline media. <i>Carbon</i> , 2012 , 50, 2620-2627	10.4	156
6	Pt/Ru/C catalysts synthesized by a two-stage polyol reduction process for methanol oxidation reaction. <i>Journal of Power Sources</i> , 2011 , 196, 10570-10575	8.9	17
5	Preparation and characterization of core-shell structured catalysts using Pt _x Pd _y as active shell and nano-sized Ru as core for potential direct formic acid fuel cell application. <i>Electrochimica Acta</i> , 2011 , 56, 2024-2030	6.7	38
4	Platinum decorated Ru/C: Effects of decorated platinum on catalyst structure and performance for the methanol oxidation reaction. <i>Journal of Power Sources</i> , 2011 , 196, 54-61	8.9	21
3	Anodic oxidation of ethanol on core-shell structured Ru@PtPd/C catalyst in alkaline media. <i>Journal of Power Sources</i> , 2011 , 196, 6138-6143	8.9	55
2	Self-humidification of a PEM fuel cell using a novel Pt/SiO ₂ /C anode catalyst. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 7874-7880	6.7	41
1	Biogelatin-Derived and N,S-Codoped 3D Network Carbon Materials Anchored with RuO ₂ as an Efficient Cathode for Rechargeable LiO ₂ Batteries. <i>Journal of Physical Chemistry C</i> ,	3.8	3