Jin-Cheng Li

List of Publications by Year
in descending order

42 papers	3,204 citations	172207 29 h-index	264894 42 g-index
42 all docs	42 docs citations	42 times ranked	4057 citing authors

#	Article	IF	Citations
1	Recent Advances in Electrocatalysts for Proton Exchange Membrane Fuel Cells and Alkaline Membrane Fuel Cells. Advanced Materials, 2021, 33, e2006292.	11.1	300
2	A 3D bi-functional porous N-doped carbon microtube sponge electrocatalyst for oxygen reduction and oxygen evolution reactions. Energy and Environmental Science, 2016, 9, 3079-3084.	15.6	260
3	Elemental superdoping of graphene and carbon nanotubes. Nature Communications, 2016, 7, 10921.	5.8	238
4	Singleâ€Atom Nanozyme Based on Nanoengineered Feâ€"Nâ€"C Catalyst with Superior Peroxidaseâ€Like Activity for Ultrasensitive Bioassays. Small, 2019, 15, e1901485.	5.2	209
5	Heteroatomâ€Doped Carbon Nanotube and Grapheneâ€Based Electrocatalysts for Oxygen Reduction Reaction. Small, 2017, 13, 1702002.	5.2	202
6	Atomically dispersed Pt and Fe sites and Ptâ€"Fe nanoparticles for durable proton exchange membrane fuel cells. Nature Catalysis, 2022, 5, 503-512.	16.1	155
7	Secondary-Atom-Assisted Synthesis of Single Iron Atoms Anchored on N-Doped Carbon Nanowires for Oxygen Reduction Reaction. ACS Catalysis, 2019, 9, 5929-5934.	5.5	149
8	2D Singleâ€Atom Catalyst with Optimized Iron Sites Produced by Thermal Melting of Metalâ€"Organic Frameworks for Oxygen Reduction Reaction. Small Methods, 2020, 4, 1900827.	4.6	113
9	Dualâ€Phasic Carbon with Co Single Atoms and Nanoparticles as a Bifunctional Oxygen Electrocatalyst for Rechargeable Znâ€"Air Batteries. Advanced Functional Materials, 2021, 31, 2103360.	7.8	107
10	N-doped carbon nanotubes containing a high concentration of single iron atoms for efficient oxygen reduction. NPG Asia Materials, 2018, 10, e461-e461.	3.8	103
11	Stabilizing Single-Atom Iron Electrocatalysts for Oxygen Reduction via Ceria Confining and Trapping. ACS Catalysis, 2020, 10, 2452-2458.	5.5	103
12	Carbon nanotube encapsulated in nitrogen and phosphorus co-doped carbon as a bifunctional electrocatalyst for oxygen reduction and evolution reactions. Carbon, 2018, 139, 156-163.	5.4	97
13	Highly Dispersive Cerium Atoms on Carbon Nanowires as Oxygen Reduction Reaction Electrocatalysts for Znâ€"Air Batteries. Nano Letters, 2021, 21, 4508-4515.	4.5	89
14	Growth of semiconducting single-wall carbon nanotubes with a narrow band-gap distribution. Nature Communications, 2016, 7, 11160.	5.8	75
15	Hierarchically porous Fe-N-doped carbon nanotubes as efficient electrocatalyst for oxygen reduction. Carbon, 2016, 109, 632-639.	5.4	74
16	Boosting the activity of Fe-Nx moieties in Fe-N-C electrocatalysts via phosphorus doping for oxygen reduction reaction. Science China Materials, 2020, 63, 965-971.	3.5	71
17	Fluorination-assisted preparation of self-supporting single-atom Fe-N-doped single-wall carbon nanotube film as bifunctional oxygen electrode for rechargeable Zn-Air batteries. Applied Catalysis B: Environmental, 2021, 294, 120239.	10.8	70
18	Singleâ€Atomic Site Catalyst with Heme Enzymesâ€Like Active Sites for Electrochemical Sensing of Hydrogen Peroxide. Small, 2021, 17, e2100664.	5.2	66

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19	Carbon nanotube-linked hollow carbon nanospheres doped with iron and nitrogen as single-atom catalysts for the oxygen reduction reaction in acidic solutions. Journal of Materials Chemistry A, 2019, 7, 14478-14482.	5.2	56
20	A nitrogen-doped mesoporous carbon containing an embedded network of carbon nanotubes as a highly efficient catalyst for the oxygen reduction reaction. Nanoscale, 2015, 7, 19201-19206.	2.8	55
21	Structural Changes in Iron Oxide and Gold Catalysts during Nucleation of Carbon Nanotubes Studied by <i>In Situ</i> Transmission Electron Microscopy. ACS Nano, 2014, 8, 292-301.	7.3	52
22	An Ionâ€Imprinting Derived Strategy to Synthesize Singleâ€Atom Iron Electrocatalysts for Oxygen Reduction. Small, 2021, 17, e2004454.	5.2	52
23	Atomically Isolated Iron Atom Anchored on Carbon Nanotubes for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2019, 11, 39820-39826.	4.0	49
24	A MnO2 nanosheet/single-wall carbon nanotube hybrid fiber for wearable solid-state supercapacitors. Carbon, 2018, 140, 634-643.	5.4	48
25	Catalytic Activity of Coâ€“X (X = S, P, O) and Its Dependency on Nanostructure/Chemical Composition in Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2018, 1, 7014-7021.	2.5	46
26	Identification of active sites in nitrogen and sulfur co-doped carbon-based oxygen reduction catalysts. Carbon, 2019, 147, 303-311.	5.4	44
27	Phosphatase-like activity of single-atom Ce N C nanozyme for rapid detection of Al3+. Food Chemistry, 2022, 390, 133127.	4.2	35
28	Highly Dispersed Platinum Atoms on the Surface of AuCu Metallic Aerogels for Enabling H₂O₂ Production. ACS Applied Energy Materials, 2019, 2, 7722-7727.	2.5	31
29	Single-atom Ce-N-C nanozyme bioactive paper with a 3D-printed platform for rapid detection of organophosphorus and carbamate pesticide residues. Food Chemistry, 2022, 387, 132896.	4.2	30
30	Dispersive Single-Atom Metals Anchored on Functionalized Nanocarbons for Electrochemical Reactions. Topics in Current Chemistry, 2019, 377, 4.	3.0	29
31	The effect of carbon support on the oxygen reduction activity and durability of single-atom iron catalysts. MRS Communications, 2018, 8, 1158-1166.	0.8	27
32	Carbon-encapsulated NiO nanoparticle decorated single-walled carbon nanotube thin films for binderless flexible electrodes of supercapacitors. Journal of Materials Chemistry A, 2017, 5, 24813-24819.	5.2	25
33	Assembling Carbon Pores into Carbon Sheets: Rational Design of Three-Dimensional Carbon Networks for a Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2019, 11, 5911-5918.	4.0	24
34	Growth of metal-catalyst-free nitrogen-doped metallic single-wall carbon nanotubes. Nanoscale, 2014, 6, 12065-12070.	2.8	21
35	Selective Growth of Metalâ€Free Metallic and Semiconducting Singleâ€Wall Carbon Nanotubes. Advanced Materials, 2017, 29, 1605719.	11.1	21
36	A MnO_{<i>x</i>} enhanced atomically dispersed ironâ€“nitrogenâ€“carbon catalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2022, 10, 5981-5989.	5.2	18

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37	Surface-restrained growth of vertically aligned carbon nanotube arrays with excellent thermal transport performance. Nanoscale, 2017, 9, 8213-8219.	2.8	17
38	Ionothermal-Transformation Strategy to Synthesize Hierarchically Tubular Porous Single-Iron-Atom Catalysts for High-Performance Zincâ€"Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 58576-58584.	4.0	12
39	Selective growth of semiconducting single-wall carbon nanotubes using SiC as a catalyst. Carbon, 2018, 135, 195-201.	5.4	11
40	Synthesis of high quality nitrogen-doped single-wall carbon nanotubes. Science China Materials, 2015, 58, 603-610.	3.5	9
41	Fe-N-C nanozyme mediated bioactive paper-3D printing integration technology enables portable detection of lactose in milk. Sensors and Actuators B: Chemical, 2022, 368, 132111.	4.0	9
42	Honeycomb-like single-wall carbon nanotube networks. Journal of Materials Chemistry A, 2014, 2, 3308-3311.	5.2	2