

# Jin-Cheng Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2662157/publications.pdf>

Version: 2024-02-01

42  
papers

3,204  
citations

172457  
29  
h-index

265206  
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. <i>Advanced Materials</i> , 2021, 33, e2006292.	21.0	300
2	A 3D bi-functional porous N-doped carbon microtube sponge electrocatalyst for oxygen reduction and oxygen evolution reactions. <i>Energy and Environmental Science</i> , 2016, 9, 3079-3084.	30.8	260
3	Elemental superdoping of graphene and carbon nanotubes. <i>Nature Communications</i> , 2016, 7, 10921.	12.8	238
4	Single-Atom Nanozyme Based on Nanoengineered Fe <sup>2+</sup> -N-C Catalyst with Superior Peroxidase-Like Activity for Ultrasensitive Bioassays. <i>Small</i> , 2019, 15, e1901485.	10.0	209
5	Heteroatom-Doped Carbon Nanotube and Graphene-Based Electrocatalysts for Oxygen Reduction Reaction. <i>Small</i> , 2017, 13, 1702002.	10.0	202
6	Atomically dispersed Pt and Fe sites and Pt-Fe nanoparticles for durable proton exchange membrane fuel cells. <i>Nature Catalysis</i> , 2022, 5, 503-512.	34.4	155
7	Secondary-Atom-Assisted Synthesis of Single Iron Atoms Anchored on N-Doped Carbon Nanowires for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2019, 9, 5929-5934.	11.2	149
8	2D Single-Atom Catalyst with Optimized Iron Sites Produced by Thermal Melting of Metal-Organic Frameworks for Oxygen Reduction Reaction. <i>Small Methods</i> , 2020, 4, 1900827.	8.6	113
9	Dual-Phase Carbon with Co Single Atoms and Nanoparticles as a Bifunctional Oxygen Electrocatalyst for Rechargeable Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2103360.	14.9	107
10	N-doped carbon nanotubes containing a high concentration of single iron atoms for efficient oxygen reduction. <i>NPG Asia Materials</i> , 2018, 10, e461-e461.	7.9	103
11	Stabilizing Single-Atom Iron Electrocatalysts for Oxygen Reduction via Ceria Confining and Trapping. <i>ACS Catalysis</i> , 2020, 10, 2452-2458.	11.2	103
12	Carbon nanotube encapsulated in nitrogen and phosphorus co-doped carbon as a bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>Carbon</i> , 2018, 139, 156-163.	10.3	97
13	Highly Dispersive Cerium Atoms on Carbon Nanowires as Oxygen Reduction Reaction Electrocatalysts for Zn-Air Batteries. <i>Nano Letters</i> , 2021, 21, 4508-4515.	9.1	89
14	Growth of semiconducting single-wall carbon nanotubes with a narrow band-gap distribution. <i>Nature Communications</i> , 2016, 7, 11160.	12.8	75
15	Hierarchically porous Fe-N-doped carbon nanotubes as efficient electrocatalyst for oxygen reduction. <i>Carbon</i> , 2016, 109, 632-639.	10.3	74
16	Boosting the activity of Fe-N <sub>x</sub> moieties in Fe-N-C electrocatalysts via phosphorus doping for oxygen reduction reaction. <i>Science China Materials</i> , 2020, 63, 965-971.	6.3	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. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120239.	20.2	70
18	Single-Atomic Site Catalyst with Heme Enzymes-Like Active Sites for Electrochemical Sensing of Hydrogen Peroxide. <i>Small</i> , 2021, 17, e2100664.	10.0	66

#	ARTICLE	IF	CITATIONS
19	Carbon nanotube-linked hollow carbon nanospheres doped with iron and nitrogen as single-atom catalysts for the oxygen reduction reaction in acidic solutions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14478-14482.	10.3	56
20	A nitrogen-doped mesoporous carbon containing an embedded network of carbon nanotubes as a highly efficient catalyst for the oxygen reduction reaction. <i>Nanoscale</i> , 2015, 7, 19201-19206.	5.6	55
21	Structural Changes in Iron Oxide and Gold Catalysts during Nucleation of Carbon Nanotubes Studied by <i>In Situ</i> Transmission Electron Microscopy. <i>ACS Nano</i> , 2014, 8, 292-301.	14.6	52
22	An Ion-Imprinting Derived Strategy to Synthesize Single-Atom Iron Electrocatalysts for Oxygen Reduction. <i>Small</i> , 2021, 17, e2004454.	10.0	52
23	Atomically Isolated Iron Atom Anchored on Carbon Nanotubes for Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39820-39826.	8.0	49
24	A MnO <sub>2</sub> nanosheet/single-wall carbon nanotube hybrid fiber for wearable solid-state supercapacitors. <i>Carbon</i> , 2018, 140, 634-643.	10.3	48
25	Catalytic Activity of Co-X (X = S, P, O) and Its Dependency on Nanostructure/Chemical Composition in Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 7014-7021.	5.1	46
26	Identification of active sites in nitrogen and sulfur co-doped carbon-based oxygen reduction catalysts. <i>Carbon</i> , 2019, 147, 303-311.	10.3	44
27	Phosphatase-like activity of single-atom Ce N C nanozyme for rapid detection of Al <sup>3+</sup> . <i>Food Chemistry</i> , 2022, 390, 133127.	8.2	35
28	Highly Dispersed Platinum Atoms on the Surface of AuCu Metallic Aerogels for Enabling H <sub>2</sub> O <sub>2</sub> Production. <i>ACS Applied Energy Materials</i> , 2019, 2, 7722-7727.	5.1	31
29	Single-atom Ce-N-C nanozyme bioactive paper with a 3D-printed platform for rapid detection of organophosphorus and carbamate pesticide residues. <i>Food Chemistry</i> , 2022, 387, 132896.	8.2	30
30	Dispersive Single-Atom Metals Anchored on Functionalized Nanocarbons for Electrochemical Reactions. <i>Topics in Current Chemistry</i> , 2019, 377, 4.	5.8	29
31	The effect of carbon support on the oxygen reduction activity and durability of single-atom iron catalysts. <i>MRS Communications</i> , 2018, 8, 1158-1166.	1.8	27
32	Carbon-encapsulated NiO nanoparticle decorated single-walled carbon nanotube thin films for binderless flexible electrodes of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24813-24819.	10.3	25
33	Assembling Carbon Pores into Carbon Sheets: Rational Design of Three-Dimensional Carbon Networks for a Lithium-Sulfur Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5911-5918.	8.0	24
34	Growth of metal-catalyst-free nitrogen-doped metallic single-wall carbon nanotubes. <i>Nanoscale</i> , 2014, 6, 12065-12070.	5.6	21
35	Selective Growth of Metal-Free Metallic and Semiconducting Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2017, 29, 1605719.	21.0	21
36	A MnO <sub>x</sub> enhanced atomically dispersed iron-nitrogen-carbon catalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5981-5989.	10.3	18

#	ARTICLE	IF	CITATIONS
37	Surface-restrained growth of vertically aligned carbon nanotube arrays with excellent thermal transport performance. <i>Nanoscale</i> , 2017, 9, 8213-8219.	5.6	17
38	Ionothermal-Transformation Strategy to Synthesize Hierarchically Tubular Porous Single-Iron-Atom Catalysts for High-Performance Zinc-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58576-58584.	8.0	12
39	Selective growth of semiconducting single-wall carbon nanotubes using SiC as a catalyst. <i>Carbon</i> , 2018, 135, 195-201.	10.3	11
40	Synthesis of high quality nitrogen-doped single-wall carbon nanotubes. <i>Science China Materials</i> , 2015, 58, 603-610.	6.3	9
41	Fe-N-C nanozyme mediated bioactive paper-3D printing integration technology enables portable detection of lactose in milk. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132111.	7.8	9
42	Honeycomb-like single-wall carbon nanotube networks. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3308-3311.	10.3	2