

# Jia Li

## 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

2,008  
citations

24  
h-index

43  
g-index

69  
ext. papers

2,571  
ext. citations

8.1  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
65	Effectively Increasing Pt Utilization Efficiency of the Membrane Electrode Assembly in Proton Exchange Membrane Fuel Cells through Multiparameter Optimization Guided by Machine Learning.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	3
64	Highly active atomically dispersed platinum-based electrocatalyst for hydrogen evolution reaction achieved by defect anchoring strategy. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 301, 120830	21.8	18
63	Efficient synthesis of Pt <sub>3</sub> Co/NC alloy catalysts with enhanced durability and activity for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 13022-13029	6.7	0
62	Assistance of Rearrangement of Active Sites in Fe/N/C Catalyst for Harvesting Ultra-High Power Density PEMFCs. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 121365	21.8	1
61	Comparison of state-of-the-art machine learning algorithms and data-driven optimization methods for mitigating nitrogen crossover in PEM fuel cells. <i>Chemical Engineering Journal</i> , <b>2022</b> , 442, 136064	14.7	2
60	Application of Machine Learning in Optimizing Proton Exchange Membrane Fuel Cells: A Review. <i>Energy and AI</i> , <b>2022</b> , 9, 100170	12.6	7
59	Hydroxyl ions: flexible tailoring of CuO crystal morphology.. <i>RSC Advances</i> , <b>2021</b> , 11, 37760-37766	3.7	1
58	Enhanced Photocatalytic Performance of Donor-Acceptor-Type Polymers Based on a Thiophene-Contained Polycyclic Aromatic Unit. <i>Macromolecules</i> , <b>2021</b> , 54, 2661-2666	5.5	14
57	Machine Learning-Guided Discovery of Underlying Decisive Factors and New Mechanisms for the Design of Nonprecious Metal Electrocatalysts. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9798-9808	13.1	16
56	Applying machine learning to boost the development of high-performance membrane electrode assembly for proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6841-6850 <sup>13</sup>		17
55	A Full-Dimensional Potential Energy Surface and Dynamics of the Multichannel Reaction between H and HO. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 1540-1552	2.8	2
54	Boosting the optimization of membrane electrode assembly in proton exchange membrane fuel cells guided by explainable artificial intelligence. <i>Energy and AI</i> , <b>2021</b> , 5, 100098	12.6	15
53	A highly stable reinforced PEM assisted by resveratrol and polydopamine-treated PTFE. <i>Journal of Membrane Science</i> , <b>2021</b> , 635, 119453	9.6	1
52	Maximizing metal utilization by coupling cross-linked PtRu multi-atom on an atomically dispersed ZnFeNC support. <i>Dalton Transactions</i> , <b>2021</b> , 50, 10354-10358	4.3	
51	Side-chain-extended conjugation: a strategy for improving the photocatalytic hydrogen production performance of a linear conjugated polymer. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 8782-8791	13	15
50	Zwitterionic side chain-modified conjugated polymers with greatly enhanced ambipolar charge-transport mobilities. <i>Chemical Communications</i> , <b>2021</b> , 57, 11181-11184	5.8	1
49	A convenient protocol for the evaluation of commercial Pt/C electrocatalysts toward oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 870, 114172	4.1	9

48	High-Loading Pt-Co/C Catalyst with Enhanced Durability toward the Oxygen Reduction Reaction through Surface Au Modification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 30381-30389	9.5	16
47	Iron-Containing Porphyrins Self-Assembled on ZnO Nanoparticles as Electrocatalytic Materials for Oxygen Reduction. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 742-751	5.6	10
46	Rapid synthesis of highly active Pt/C catalysts with various metal loadings from single batch platinum colloid. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 138-145	12	10
45	Photo-driven growth of a monolayer of platinum spherical-nanocrowns uniformly coated on a membrane toward fuel cell applications. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23284-23292	13	7
44	Designing AI-Aided Analysis and Prediction Models for Nonprecious Metal Electrocatalyst-Based Proton-Exchange Membrane Fuel Cells. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19337-19345	3.6	4
43	Designing AI-Aided Analysis and Prediction Models for Nonprecious Metal Electrocatalyst-Based Proton-Exchange Membrane Fuel Cells. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19175-19183	16.4	23
42	Pyrolysis of Iron(III) porphyrin coated Pt/C toward oxygen reduction reaction in acidic medium. <i>Progress in Natural Science: Materials International</i> , <b>2020</b> , 30, 832-838	3.6	2
41	Facile grafting strategy synthesis of single-atom electrocatalyst with enhanced ORR performance. <i>Nano Research</i> , <b>2020</b> , 13, 1519-1526	10	34
40	Interwoven Molecular Chains Obtained by Ionic Self-Assembly of Two Iron(III) Porphyrins with Opposite and Mismatched Charges. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34203-34211	9.5	5
39	High temperature self-assembly one-step synthesis of a structurally ordered PtFe catalyst for the oxygen reduction reaction. <i>Chemical Communications</i> , <b>2019</b> , 55, 12028-12031	5.8	15
38	Highly enhanced durability of a graphitic carbon layer decorated PtNi alloy electrocatalyst toward the oxygen reduction reaction. <i>Chemical Communications</i> , <b>2019</b> , 55, 5693-5696	5.8	26
37	In situ growth of vertically aligned FeCoOOH-nanosheets/nanoflowers on Fe, N co-doped 3D-porous carbon as efficient bifunctional electrocatalysts for rechargeable zincO2 batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 9497-9502	13	52
36	Ultrahigh-Loading Zinc Single-Atom Catalyst for Highly Efficient Oxygen Reduction in Both Acidic and Alkaline Media. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7035-7039	16.4	299
35	Ultrahigh-Loading Zinc Single-Atom Catalyst for Highly Efficient Oxygen Reduction in Both Acidic and Alkaline Media. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7109-7113	3.6	39
34	A Highly Durable Quercetin-Based Proton Exchange Membrane for Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, F3052-F3057	3.9	9
33	Leaching- and sintering-resistant hollow or structurally ordered intermetallic PtFe alloy catalysts for oxygen reduction reactions. <i>Nanoscale</i> , <b>2019</b> , 11, 20115-20122	7.7	15
32	Three-Dimensional Fe,N-Decorated Carbon-Supported NiFeP Nanoparticles as an Efficient Bifunctional Catalyst for Rechargeable Zinc-O Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 699-705	9.5	62
31	Metabolomics and transcriptomics profiles reveal the dysregulation of the tricarboxylic acid cycle and related mechanisms in prostate cancer. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 396-407	7.5	43

30	A eutectic salt-assisted semi-closed pyrolysis route to fabricate high-density active-site hierarchically porous Fe/N/C catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15504-15509	13	78
29	Pyrolysis of Self-Assembled Iron Porphyrin on Carbon Black as Core/Shell Structured Electrocatalysts for Highly Efficient Oxygen Reduction in Both Alkaline and Acidic Medium. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604356	15.6	94
28	Identification of related metabolic pathways in prostate cancer. <i>Oncotarget</i> , <b>2017</b> , 8, 103032-103046	3.3	6
27	Purity matters: A workflow for the valid high-resolution lipid profiling of mitochondria from cell culture samples. <i>Scientific Reports</i> , <b>2016</b> , 6, 21107	4.9	25
26	Integration of lipidomics and transcriptomics unravels aberrant lipid metabolism and defines cholesteryl oleate as potential biomarker of prostate cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 20984	4.9	82
25	Muscle and liver-specific alterations in lipid and acylcarnitine metabolism after a single bout of exercise in mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 22218	4.9	13
24	Integration of Metabolomics and Transcriptomics Reveals Major Metabolic Pathways and Potential Biomarker Involved in Prostate Cancer. <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 154-63	7.6	87
23	Synthesis of core/shell structured Pd <sub>3</sub> Au@Pt/C with enhanced electrocatalytic activity by regioselective atomic layer deposition combined with a wet chemical method. <i>RSC Advances</i> , <b>2016</b> , 6, 66712-66720	3.7	11
22	Lysophosphatidylcholines activate PPAR $\alpha$ and protect human skeletal muscle cells from lipotoxicity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2016</b> , 1861, 1980-1992	5	23
21	Structural Evolution of Solid Pt Nanoparticles to a Hollow PtFe Alloy with a Pt-Skin Surface via Space-Confined Pyrolysis and the Nanoscale Kirkendall Effect. <i>Advanced Materials</i> , <b>2016</b> , 28, 10673-10678	24	118
20	Influence of counter electrode material during accelerated durability test of non-precious metal electrocatalysts in acidic medium. <i>Chinese Journal of Catalysis</i> , <b>2016</b> , 37, 1109-1118	11.3	13
19	Plasma lipidomics reveals potential lipid markers of major depressive disorder. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 6497-507	4.4	54
18	Retention Time Prediction Improves Identification in Nontargeted Lipidomics Approaches. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7698-704	7.8	50
17	Controlled synthesis of high metal-loading, Pt-based electrocatalysts with enhanced activity and durability toward oxygen reduction reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 8787-8792	3.7	13
16	Discovery and validation of plasma biomarkers for major depressive disorder classification based on liquid chromatography-mass spectrometry. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2322-30	5.6	114
15	One-step synthesis of carbon-supported foam-like platinum with enhanced activity and durability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21562-21568	13	7
14	Clinical and non-targeted metabolomic profiling of homozygous carriers of Transcription Factor 7-like 2 variant rs7903146. <i>Scientific Reports</i> , <b>2014</b> , 4, 5296	4.9	10
13	Metabolic profiling study of early and late recurrence of hepatocellular carcinoma based on liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 966, 163-70	3.2	22

12	A high-performance electrocatalyst for oxygen reduction based on reduced graphene oxide modified with oxide nanoparticles, nitrogen dopants, and possible metal-N-C sites. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1631-1635	13	41
11	The lipid profile of brown adipose tissue is sex-specific in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2014</b> , 1842, 1563-70	5	40
10	Graphene supported foam-like platinum electrocatalyst for oxygen reduction reaction. <i>Materials Research Express</i> , <b>2014</b> , 1, 025045	1.7	4
9	Light-controlled synthesis of uniform platinum nanodendrites with markedly enhanced electrocatalytic activity. <i>Nano Research</i> , <b>2013</b> , 6, 720-725	10	25
8	Large-scaled human serum sphingolipid profiling by using reversed-phase liquid chromatography coupled with dynamic multiple reaction monitoring of mass spectrometry: method development and application in hepatocellular carcinoma. <i>Journal of Chromatography A</i> , <b>2013</b> , 1320, 103-10	4.5	31
7	Stable isotope-assisted lipidomics combined with nontargeted isotopomer filtering, a tool to unravel the complex dynamics of lipid metabolism. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4651-7	7.8	37
6	In-situ synthesis and normal chromatographic properties of nonporous SiO <sub>2</sub> /ZrO <sub>2</sub> core-shell composite microspheres. <i>Analytical Sciences</i> , <b>2011</b> , 27, 447	1.7	8
5	Monitoring multi-class pesticide residues in fresh grape by hollow fibre sorptive extraction combined with gas chromatography-mass spectrometry. <i>Food Chemistry</i> , <b>2011</b> , 127, 784-90	8.5	28
4	Application of SiO <sub>2</sub> hollow fibers for sorptive microextraction and gas chromatography-mass spectrometry determination of organochlorine pesticides in herbal matrices. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 1501-8	4.4	18
3	Determination of melamine residues in milk products by zirconia hollow fiber sorptive microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 5467-71	4.5	134
2	Applications of titania and zirconia hollow fibers in sorptive microextraction of N,N-dimethylacetamide from water sample. <i>Analytica Chimica Acta</i> , <b>2009</b> , 651, 182-7	6.6	28
1	Non-fused molecular photovoltaic acceptor with a planar core structure enabled by bulky and embracing-type side chains. <i>Journal of Materials Chemistry C</i> ,	7.1	0