

# Yongyi Jiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4953232/publications.pdf>

Version: 2024-02-01

19  
papers

282  
citations

933447

10  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

390  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Behaviors of a proton exchange membrane electrolyzer under water starvation. RSC Advances, 2015, 5, 14506-14513.  | 3.6  | 55        |
| 2  | Pt/WO <sub>3</sub> /C nanocomposite with parallel WO <sub>3</sub> nanorods as cathode catalyst for proton exchange membrane fuel cells. Journal of Energy Chemistry, 2015, 24, 39-44.         | 12.9 | 36        |
| 3  | Vertical Graphene Reinforced Titanium Alloy Bipolar Plates in Fuel Cells. Advanced Materials, 2022, 34, e2110565.   | 21.0 | 31        |
| 4  | Fabrication of N1-butyl substituted 4,5-dimethyl-imidazole based crosslinked anion exchange membranes for fuel cells. RSC Advances, 2017, 7, 52812-52821.                                     | 3.6  | 20        |
| 5  | A novel porous sulfonated poly(ether ether ketone)-based multi-layer composite membrane for proton exchange membrane fuel cell application. Sustainable Energy and Fuels, 2017, 1, 1405-1413. | 4.9  | 17        |
| 6  | Preparation and characterization of Ti <sub>0.7</sub> Sn <sub>0.3</sub> O <sub>2</sub> as catalyst support for oxygen reduction reaction. Journal of Energy Chemistry, 2014, 23, 331-337.     | 12.9 | 16        |
| 7  | A novel hydrophilic modified gas diffusion layer for proton exchange membrane fuel cells operating in low humidification. International Journal of Energy Research, 2021, 45, 16874-16883.    | 4.5  | 16        |
| 8  | Investigation of a Fe-N-C catalyst for sulfur dioxide electrooxidation. RSC Advances, 2016, 6, 80024-80028.   | 3.6  | 12        |
| 9  | Performance- and Durability-Enhanced Carbon-Skeleton Nanofiber Electrode with Pt <sub>3</sub> Co/C for PEMFCs. ACS Sustainable Chemistry and Engineering, 2020, 8, 13030-13038.               | 6.7  | 12        |
| 10 | Investigation of a High-Performance Nanofiber Cathode with Ultralow Platinum Loading for Proton Exchange Membrane Fuel Cells. Energy Technology, 2017, 5, 1457-1463.                          | 3.8  | 10        |
| 11 | Enhanced sulfur dioxide electrooxidation performance on a modified XC-72 carbon catalyst. Journal of Solid State Electrochemistry, 2017, 21, 3113-3120.                                       | 2.5  | 10        |
| 12 | New insight into effect of potential on degradation of Fe-N-C catalyst for ORR. Frontiers in Energy, 2021, 15, 421-430.   | 2.3  | 9         |
| 13 | One-pot facile synthesis of PtCu coated nanoporous gold with unique catalytic activity toward the oxygen reduction reaction. RSC Advances, 2016, 6, 40086-40089.                              | 3.6  | 8         |
| 14 | A robust esterified nanofibre electrode for proton exchange membrane fuel cells. Journal of Materials Chemistry A, 2020, 8, 5298-5307.  | 10.3 | 8         |
| 15 | Study of substrate-free microporous layer of proton exchange membrane fuel cells. International Journal of Energy Research, 2022, 46, 9782-9793.  | 4.5  | 7         |
| 16 | A new microporous layer material to improve the performance and durability of polymer electrolyte membrane fuel cells. RSC Advances, 2015, 5, 104095-104100.                                  | 3.6  | 6         |
| 17 | Highly effective oxygen reduction activity and durability of antimony-doped tin oxide modified PtPd/C electrocatalysts. RSC Advances, 2015, 5, 69479-69486.                                   | 3.6  | 5         |
| 18 | Estimating the Remaining Useful Life of Proton Exchange Membrane Fuel Cells under Variable Loading Conditions Online. Processes, 2021, 9, 1459.   | 2.8  | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Nanofiber-Based Oxygen Reduction Electrocatalysts with Improved Mass Transfer Kinetics in a Meso-Porous Structure and Enhanced Reaction Kinetics by Confined Fe and Fe <sub>3</sub> C Particles for Anion-Exchange Membrane Fuel Cells. <i>Energies</i> , 2022, 15, 4029. | 3.1 | 1         |