

Mingjie Wu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1716177/mingjie-wu-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

3,465
citations

25
h-index

44
g-index

44
ext. papers

4,174
ext. citations

11.3
avg, IF

5.48
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 43 | Single-atom Catalysis Using Pt/Graphene Achieved through Atomic Layer Deposition. <i>Scientific Reports</i> , 2013 , 3, | 4.9 | 589 |
| 42 | Single-Atom Au/NiFe Layered Double Hydroxide Electrocatalyst: Probing the Origin of Activity for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3876-3879 | 16.4 | 560 |
| 41 | A highly durable platinum nanocatalyst for proton exchange membrane fuel cells: multiarmed starlike nanowire single crystal. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 422-6 | 16.4 | 326 |
| 40 | Controlled Growth of Pt Nanowires on Carbon Nanospheres and Their Enhanced Performance as Electrocatalysts in PEM Fuel Cells. <i>Advanced Materials</i> , 2008 , 20, 3900-3904 | 24 | 302 |
| 39 | High-Performance Reversible Aqueous Zn-Ion Battery Based on Porous MnO _x Nanorods Coated by MOF-Derived N-Doped Carbon. <i>Advanced Energy Materials</i> , 2018 , 8, 1801445 | 21.8 | 284 |
| 38 | Noble metals-TiO ₂ nanocomposites: From fundamental mechanisms to photocatalysis, surface enhanced Raman scattering and antibacterial applications. <i>Applied Materials Today</i> , 2018 , 11, 82-135 | 6.6 | 148 |
| 37 | A Highly Durable Platinum Nanocatalyst for Proton Exchange Membrane Fuel Cells: Multiarmed Starlike Nanowire Single Crystal. <i>Angewandte Chemie</i> , 2011 , 123, 442-446 | 3.6 | 110 |
| 36 | Direct growth of single-crystal Pt nanowires on Sn@CNT Nanocable: 3D electrodes for highly active electrocatalysts. <i>Chemistry - A European Journal</i> , 2010 , 16, 829-35 | 4.8 | 107 |
| 35 | Stabilizing lithium metal anode by octaphenyl polyoxyethylene-lithium complexation. <i>Nature Communications</i> , 2020 , 11, 643 | 17.4 | 84 |
| 34 | Porous dendritic platinum nanotubes with extremely high activity and stability for oxygen reduction reaction. <i>Scientific Reports</i> , 2013 , 3, 1526 | 4.9 | 75 |
| 33 | 3D Porous Fe/N/C Spherical Nanostructures As High-Performance Electrocatalysts for Oxygen Reduction in Both Alkaline and Acidic Media. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36944-36954 | 9.5 | 70 |
| 32 | Engineering interfacial structure in Giant PbS/CdS quantum dots for photoelectrochemical solar energy conversion. <i>Nano Energy</i> , 2016 , 30, 531-541 | 17.1 | 70 |
| 31 | Fe/Co Double Hydroxide/Oxide Nanoparticles on N-Doped CNTs as Highly Efficient Electrocatalyst for Rechargeable Liquid and Quasi-Solid-State Zinc Air Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1801836 | 21.8 | 70 |
| 30 | An active and robust Si-Fe/N/C catalyst derived from waste reed for oxygen reduction. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 85-93 | 21.8 | 62 |
| 29 | Ultrathin single crystal Pt nanowires grown on N-doped carbon nanotubes. <i>Chemical Communications</i> , 2009 , 7048-50 | 5.8 | 58 |
| 28 | Well-Defined Nanostructures for Electrochemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2001537 | 21.8 | 47 |
| 27 | Three growth modes and mechanisms for highly structure-tunable SnO ₂ nanotube arrays of template-directed atomic layer deposition. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12321 | | 44 |

| | | | |
|----|---|------|----|
| 26 | Litchi-like porous Fe/N/C spheres with atomically dispersed Fe _N x promoted by sulfur as highly efficient oxygen electrocatalysts for Zn Bir batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4605-4610 ¹³ | | 43 |
| 25 | Rational design of novel nanostructured arrays based on porous AAO templates for electrochemical energy storage and conversion. <i>Nano Energy</i> , 2019 , 55, 234-259 | 17.1 | 41 |
| 24 | Heterostructural coaxial nanotubes of CNT@Fe ₂ O ₃ via atomic layer deposition: effects of surface functionalization and nitrogen-doping. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1207-1218 | 2.3 | 37 |
| 23 | Heterostructured quantum dot architectures for efficient and stable photoelectrochemical hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6822-6829 | 13 | 34 |
| 22 | Rational Design of Novel Catalysts with Atomic Layer Deposition for the Reduction of Carbon Dioxide. <i>Advanced Energy Materials</i> , 2019 , 9, 1900889 | 21.8 | 33 |
| 21 | Plasma nitriding induced growth of Pt-nanowire arrays as high performance electrocatalysts for fuel cells. <i>Scientific Reports</i> , 2014 , 4, 6439 | 4.9 | 30 |
| 20 | Phosphor Polymer Nanocomposite: ZnO:Tb ³⁺ Embedded Polystyrene Nanocomposite Thin Films for Solid-State Lighting Applications. <i>ACS Applied Nano Materials</i> , 2018 , 1, 977-988 | 5.6 | 29 |
| 19 | Biomass-derived nonprecious metal catalysts for oxygen reduction reaction: The demand-oriented engineering of active sites and structures 2020 , 2, 561-581 | | 28 |
| 18 | Highly Stable and Active Pt/Nb-TiO ₂ Carbon-Free Electrocatalyst for Proton Exchange Membrane Fuel Cells. <i>Journal of Nanotechnology</i> , 2012 , 2012, 1-8 | 3.5 | 24 |
| 17 | Green synthesis of near infrared core/shell quantum dots for photocatalytic hydrogen production. <i>Nanotechnology</i> , 2016 , 27, 495405 | 3.4 | 20 |
| 16 | Novel rare earth metal doped one-dimensional TiO ₂ nanostructures: Fundamentals and multifunctional applications. <i>Materials Today Sustainability</i> , 2021 , 13, 100066 | 5 | 20 |
| 15 | Electrode Engineering by Atomic Layer Deposition for Sodium-Ion Batteries: From Traditional to Advanced Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1906890 | 15.6 | 19 |
| 14 | Emerging applications of atomic layer deposition for the rational design of novel nanostructures for surface-enhanced Raman scattering. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1447-1471 | 7.1 | 18 |
| 13 | Efficient and stable photoelectrochemical hydrogen generation using optimized colloidal heterostructured quantum dots. <i>Nano Energy</i> , 2021 , 79, 105416 | 17.1 | 15 |
| 12 | Nanostructured Cobalt-Based Electrocatalysts for CO Reduction: Recent Progress, Challenges, and Perspectives. <i>Small</i> , 2020 , 16, e2004158 | 11 | 13 |
| 11 | Near-Infrared Colloidal Manganese-Doped Quantum Dots: Photoluminescence Mechanism and Temperature Response. <i>ACS Photonics</i> , 2019 , 6, 2421-2431 | 6.3 | 12 |
| 10 | Nanostructured Metal Borides for Energy-Related Electrocatalysis: Recent Progress, Challenges, and Perspectives.. <i>Small Methods</i> , 2021 , 5, e2100699 | 12.8 | 10 |
| 9 | Engineering of electrocatalyst/electrolyte interface for ambient ammonia synthesis. <i>SusMat</i> , 2021 , 1, 150-173 | | 8 |

| | | | |
|---|---|------|---|
| 8 | Inside Cover: Direct Growth of Single-Crystal Pt Nanowires on Sn@CNT Nanocable: 3D Electrodes for Highly Active Electrocatalysts (Chem. Eur. J. 3/2010). <i>Chemistry - A European Journal</i> , 2010 , 16, 732-732 | 4.8 | 6 |
| 7 | Multi-metallic catalysts for the electroreduction of carbon dioxide: Recent advances and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 155, 111922 | 16.2 | 6 |
| 6 | Electrocatalytic Oxygen Evolution Reaction in Acidic Conditions: Recent Progress and Perspectives. <i>ChemSusChem</i> , 2021 , 14, 4636-4657 | 8.3 | 5 |
| 5 | Atomically Dispersed Fe-Co Bimetallic Catalysts for the Promoted Electroreduction of Carbon Dioxide. <i>Nano-Micro Letters</i> , 2021 , 14, 25 | 19.5 | 4 |
| 4 | Titelbild: A Highly Durable Platinum Nanocatalyst for Proton Exchange Membrane Fuel Cells: Multiarmed Starlike Nanowire Single Crystal (Angew. Chem. 2/2011). <i>Angewandte Chemie</i> , 2011 , 123, 341-341 | 3.6 | 2 |
| 3 | Cover Picture: A Highly Durable Platinum Nanocatalyst for Proton Exchange Membrane Fuel Cells: Multiarmed Starlike Nanowire Single Crystal (Angew. Chem. Int. Ed. 2/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 325-325 | 16.4 | 1 |
| 2 | Fe-N4 Doped Carbon Nanotube Cathode Catalyst for PEM Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48923-48933 | 9.5 | 1 |
| 1 | Design and engineering of graphene nanostructures as independent solar-driven photocatalysts for emerging applications in the field of energy and environment. <i>Molecular Systems Design and Engineering</i> , | 4.6 | 0 |