Mingjie Wu

List of Publications by Year in Descending Order

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	Multi-metallic catalysts for the electroreduction of carbon dioxide: Recent advances and perspectives. *Renewable and Sustainable Energy Reviews*, **2022**, 155, 111922	16.2	6
42	Fe-N4 Doped Carbon Nanotube Cathode Catalyst for PEM Fuel Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 48923-48933	9.5	1
41	Engineering of electrocatalyst/electrolyte interface for ambient ammonia synthesis. *SusMat*, **2021**, 1, 150-173		8
40	Well-Defined Nanostructures for Electrochemical Energy Conversion and Storage. *Advanced Energy Materials*, **2021**, 11, 2001537	21.8	47
39	Efficient and stable photoelectrochemical hydrogen generation using optimized colloidal heterostructured quantum dots. *Nano Energy*, **2021**, 79, 105416	17.1	15
38	Novel rare earth metal□doped one-dimensional TiO2 nanostructures: Fundamentals and multifunctional applications. *Materials Today Sustainability*, **2021**, 13, 100066	5	20
37	Electrocatalytic Oxygen Evolution Reaction in Acidic Conditions: Recent Progress and Perspectives. *ChemSusChem*, **2021**, 14, 4636-4657	8.3	5
36	Nanostructured Metal Borides for Energy-Related Electrocatalysis: Recent Progress, Challenges, and Perspectives.. *Small Methods*, **2021**, 5, e2100699	12.8	10
35	Atomically Dispersed Fe-Co Bimetallic Catalysts for the Promoted Electroreduction of Carbon Dioxide. *Nano-Micro Letters*, **2021**, 14, 25	19.5	4
34	Stabilizing lithium metal anode by octaphenyl polyoxyethylene-lithium complexation. *Nature Communications*, **2020**, 11, 643	17.4	84
33	Electrode Engineering by Atomic Layer Deposition for Sodium-Ion Batteries: From Traditional to Advanced Batteries. *Advanced Functional Materials*, **2020**, 30, 1906890	15.6	19
32	Nanostructured Cobalt-Based Electrocatalysts for CO Reduction: Recent Progress, Challenges, and Perspectives. *Small*, **2020**, 16, e2004158	11	13
31	Biomass-derived nonprecious metal catalysts for oxygen reduction reaction: The demand-oriented engineering of active sites and structures **2020**, 2, 561-581		28
30	Emerging applications of atomic layer deposition for the rational design of novel nanostructures for surface-enhanced Raman scattering. *Journal of Materials Chemistry C*, **2019**, 7, 1447-1471	7.1	18
29	Rational Design of Novel Catalysts with Atomic Layer Deposition for the Reduction of Carbon Dioxide. *Advanced Energy Materials*, **2019**, 9, 1900889	21.8	33
28	Near-Infrared Colloidal Manganese-Doped Quantum Dots: Photoluminescence Mechanism and Temperature Response. *ACS Photonics*, **2019**, 6, 2421-2431	6.3	12
27	Rational design of novel nanostructured arrays based on porous AAO templates for electrochemical energy storage and conversion. *Nano Energy*, **2019**, 55, 234-259	17.1	41

26	Heterostructured quantum dot architectures for efficient and stable photoelectrochemical hydrogen production. *Journal of Materials Chemistry A*, **2018**, 6, 6822-6829	13	34
25	Single-Atom Au/NiFe Layered Double Hydroxide Electrocatalyst: Probing the Origin of Activity for Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2018**, 140, 3876-3879	16.4	560
24	Noble metals-TiO2 nanocomposites: From fundamental mechanisms to photocatalysis, surface enhanced Raman scattering and antibacterial applications. *Applied Materials Today*, **2018**, 11, 82-135	6.6	148
23	Phosphor Polymer Nanocomposite: ZnO:Tb3+ Embedded Polystyrene Nanocomposite Thin Films for Solid-State Lighting Applications. *ACS Applied Nano Materials*, **2018**, 1, 977-988	5.6	29
22	High-Performance Reversible Aqueous Zn-Ion Battery Based on Porous MnOx Nanorods Coated by MOF-Derived N-Doped Carbon. *Advanced Energy Materials*, **2018**, 8, 1801445	21.8	284
21	Litchi-like porous Fe/N/C spheres with atomically dispersed FeNx promoted by sulfur as highly efficient oxygen electrocatalysts for Zn–air batteries. *Journal of Materials Chemistry A*, **2018**, 6, 4605-4610	13	43
20	Fe/Co Double Hydroxide/Oxide Nanoparticles on N-Doped CNTs as Highly Efficient Electrocatalyst for Rechargeable Liquid and Quasi-Solid-State Zinc–Air Batteries. *Advanced Energy Materials*, **2018**, 8, 1801836	21.8	70
19	An active and robust Si-Fe/N/C catalyst derived from waste reed for oxygen reduction. *Applied Catalysis B: Environmental*, **2018**, 237, 85-93	21.8	62
18	3D Porous Fe/N/C Spherical Nanostructures As High-Performance Electrocatalysts for Oxygen Reduction in Both Alkaline and Acidic Media. *ACS Applied Materials & Interfaces*, **2017**, 9, 36944-36954	9.5	70
17	Green synthesis of near infrared core/shell quantum dots for photocatalytic hydrogen production. *Nanotechnology*, **2016**, 27, 495405	3.4	20
16	Engineering interfacial structure in Giant PbS/CdS quantum dots for photoelectrochemical solar energy conversion. *Nano Energy*, **2016**, 30, 531-541	17.1	70
15	Plasma nitriding induced growth of Pt-nanowire arrays as high performance electrocatalysts for fuel cells. *Scientific Reports*, **2014**, 4, 6439	4.9	30
14	Porous dendritic platinum nanotubes with extremely high activity and stability for oxygen reduction reaction. *Scientific Reports*, **2013**, 3, 1526	4.9	75
13	Single-atom Catalysis Using Pt/Graphene Achieved through Atomic Layer Deposition. *Scientific Reports*, **2013**, 3,	4.9	589
12	Highly Stable and Active Pt/Nb-TiO2Carbon-Free Electrocatalyst for Proton Exchange Membrane Fuel Cells. *Journal of Nanotechnology*, **2012**, 2012, 1-8	3.5	24
11	Heterostructural coaxial nanotubes of CNT@Fe2O3 via atomic layer deposition: effects of surface functionalization and nitrogen-doping. *Journal of Nanoparticle Research*, **2011**, 13, 1207-1218	2.3	37
10	A Highly Durable Platinum Nanocatalyst for Proton Exchange Membrane Fuel Cells: Multiarmed Starlike Nanowire Single Crystal. *Angewandte Chemie*, **2011**, 123, 442-446	3.6	110
9	Titelbild: A Highly Durable Platinum Nanocatalyst for Proton Exchange Membrane Fuel Cells: Multiarmed Starlike Nanowire Single Crystal (Angew. Chem. 2/2011). *Angewandte Chemie*, **2011**, 123, 341-341	3.6	2

8	A highly durable platinum nanocatalyst for proton exchange membrane fuel cells: multiarmed starlike nanowire single crystal. *Angewandte Chemie - International Edition*, **2011**, 50, 422-6	16.4	326
7	Cover Picture: A Highly Durable Platinum Nanocatalyst for Proton Exchange Membrane Fuel Cells: Multiarmed Starlike Nanowire Single Crystal (Angew. Chem. Int. Ed. 2/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 325-325	16.4	1
6	Three growth modes and mechanisms for highly structure-tunable SnO2 nanotube arrays of template-directed atomic layer deposition. *Journal of Materials Chemistry*, **2011**, 21, 12321		44
5	Direct growth of single-crystal Pt nanowires on Sn@CNT Nanocable: 3D electrodes for highly active electrocatalysts. *Chemistry - A European Journal*, **2010**, 16, 829-35	4.8	107
4	Inside Cover: Direct Growth of Single-Crystal Pt Nanowires on Sn@CNT Nanocable: 3D Electrodes for Highly Active Electrocatalysts (Chem. Eur. J. 3/2010). *Chemistry - A European Journal*, **2010**, 16, 732-732	4.8	6
3	Ultrathin single crystal Pt nanowires grown on N-doped carbon nanotubes. *Chemical Communications*, **2009**, 7048-50	5.8	58
2	Controlled Growth of Pt Nanowires on Carbon Nanospheres and Their Enhanced Performance as Electrocatalysts in PEM Fuel Cells. *Advanced Materials*, **2008**, 20, 3900-3904	24	302
1	Design and engineering of graphene nanostructures as independent solar-driven photocatalysts for emerging applications in the field of energy and environment. *Molecular Systems Design and Engineering*,	4.6	0