# Yan-Mei Shi

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 44 papers | 5,426 citations | 25 h-index | 50 g-index |
| 50 ext. papers | 6,657 ext. citations | 12.1 avg, IF | 6.78 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 44 | Direct Electrosynthesis of Urea from Carbon Dioxide and Nitric Oxide. *ACS Energy Letters*, **2022**, 7, 284-291 | 20.1 | 15 |
| 43 | Converting copper sulfide to copper with surface sulfur for electrocatalytic alkyne semi-hydrogenation with water. *Nature Communications*, **2021**, 12, 3881 | 17.4 | 17 |
| 42 | Membrane-free selective oxidation of thioethers with water over a nickel phosphide nanocube electrode. *Cell Reports Physical Science*, **2021**, 2, 100462 | 6.1 | 5 |
| 41 | Unveiling the Activity Origin of Iron Nitride as Catalytic Material for Efficient Hydrogenation of CO2 to C2+ Hydrocarbons. *Angewandte Chemie*, **2021**, 133, 4546-4550 | 3.6 | 2 |
| 40 | Unveiling the Activity Origin of Iron Nitride as Catalytic Material for Efficient Hydrogenation of CO to C Hydrocarbons. *Angewandte Chemie - International Edition*, **2021**, 60, 4496-4500 | 16.4 | 21 |
| 39 | Hollow cobalt sulfide nanocapsules for electrocatalytic selective transfer hydrogenation of cinnamaldehyde with water. *Cell Reports Physical Science*, **2021**, 2, 100337 | 6.1 | 11 |
| 38 | Unveiling the In Situ Dissolution and Polymerization of Mo in Ni Mo Alloy for Promoting the Hydrogen Evolution Reaction. *Angewandte Chemie - International Edition*, **2021**, 60, 7051-7055 | 16.4 | 51 |
| 37 | Unveiling the In Situ Dissolution and Polymerization of Mo in Ni4Mo Alloy for Promoting the Hydrogen Evolution Reaction. *Angewandte Chemie*, **2021**, 133, 7127-7131 | 3.6 | 7 |
| 36 | Selectivity Origin of Organic Electrosynthesis Controlled by Electrode Materials: A Case Study on Pinacols. *ACS Catalysis*, **2021**, 11, 8958-8967 | 13.1 | 4 |
| 35 | Amorphous nanomaterials in electrocatalytic water splitting. *Chinese Journal of Catalysis*, **2021**, 42, 1287-1296 | 11.3 | 30 |
| 34 | Electrosynthesis of Syngas via the Co-Reduction of CO2 and H2O. *Cell Reports Physical Science*, **2020**, 1, 100237 | 6.1 | 16 |
| 33 | Unveiling hydrocerussite as an electrochemically stable active phase for efficient carbon dioxide electroreduction to formate. *Nature Communications*, **2020**, 11, 3415 | 17.4 | 61 |
| 32 | Temperature-regulated reversible transformation of spinel-to-oxyhydroxide active species for electrocatalytic water oxidation. *Journal of Materials Chemistry A*, **2020**, 8, 1631-1635 | 13 | 16 |
| 31 | Unveiling the Promotion of Surface-Adsorbed Chalcogenate on the Electrocatalytic Oxygen Evolution Reaction. *Angewandte Chemie*, **2020**, 132, 22656-22660 | 3.6 | 18 |
| 30 | Recent advances in nanostructured transition metal phosphides: synthesis and energy-related applications. *Energy and Environmental Science*, **2020**, 13, 4564-4582 | 35.4 | 116 |
| 29 | Plasma-regulated N-doped carbon nanotube arrays for efficient electrosynthesis of syngas with a wide CO/H2 ratio. *Science China Materials*, **2020**, 63, 2351-2357 | 7.1 | 8 |
| 28 | Unveiling the Promotion of Surface-Adsorbed Chalcogenate on the Electrocatalytic Oxygen Evolution Reaction. *Angewandte Chemie - International Edition*, **2020**, 59, 22470-22474 | 16.4 | 93 |

| | | | |
|---|---|---|---|
| 27 | Unveiling in situ evolved In/In2O3 heterostructure as the active phase of In2O3 toward efficient electroreduction of CO2 to formate. *Science Bulletin*, **2020**, 65, 1547-1554 | 10.6 | 52 |
| 26 | Solid-State Conversion Synthesis of Advanced Electrocatalysts for Water Splitting. *Chemistry - A European Journal*, **2019**, 26, 3961 | 4.8 | 3 |
| 25 | In Situ Electrochemical Conversion of an Ultrathin Tannin Nickel Iron Complex Film as an Efficient Oxygen Evolution Reaction Electrocatalyst. *Angewandte Chemie*, **2019**, 131, 3809-3813 | 3.6 | 21 |
| 24 | Self-Floating Carbonized Tissue Membrane Derived from Commercial Facial Tissue for Highly Efficient Solar Steam Generation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2911-2915 | 8.3 | 59 |
| 23 | In Situ Electrochemical Conversion of an Ultrathin Tannin Nickel Iron Complex Film as an Efficient Oxygen Evolution Reaction Electrocatalyst. *Angewandte Chemie - International Edition*, **2019**, 58, 3769-3773 | 16.4 | 144 |
| 22 | Synergetic Transformation of Solid Inorganic-Organic Hybrids into Advanced Nanomaterials for Catalytic Water Splitting. *Accounts of Chemical Research*, **2018**, 51, 1711-1721 | 24.3 | 163 |
| 21 | Engineering Sulfur Defects, Atomic Thickness, and Porous Structures into Cobalt Sulfide Nanosheets for Efficient Electrocatalytic Alkaline Hydrogen Evolution. *ACS Catalysis*, **2018**, 8, 8077-8083 | 13.1 | 148 |
| 20 | Identifying the high activity of the basal plane in 1T?-phase MoS2 towards electrochemical hydrogen evolution. *Inorganic Chemistry Frontiers*, **2018**, 5, 1490-1492 | 6.8 | 4 |
| 19 | Boosting Photoelectrochemical Water Oxidation Activity and Stability of Mo-Doped BiVO4 through the Uniform Assembly Coating of NiFe Phenolic Networks. *ACS Energy Letters*, **2018**, 3, 1648-1654 | 20.1 | 72 |
| 18 | Design of continuous built-in band bending in self-supported CdS nanorod-based hierarchical architecture for efficient photoelectrochemical hydrogen production. *Nano Energy*, **2018**, 43, 236-243 | 17.1 | 45 |
| 17 | Hydrogen evolution activity enhancement by tuning the oxygen vacancies in self-supported mesoporous spinel oxide nanowire arrays. *Nano Research*, **2018**, 11, 603-613 | 10 | 102 |
| 16 | Boosting ethanol electrooxidation via photothermal effect over palladium/reduced graphene oxide. *Journal of Materials Chemistry A*, **2018**, 6, 18426-18429 | 13 | 12 |
| 15 | N-doped graphene wrapped hexagonal metallic cobalt hierarchical nanosheet as a highly efficient water oxidation electrocatalyst. *Journal of Materials Chemistry A*, **2017**, 5, 8897-8902 | 13 | 41 |
| 14 | Adjusting the electronic structure by Ni incorporation: a generalized in situ electrochemical strategy to enhance water oxidation activity of oxyhydroxides. *Journal of Materials Chemistry A*, **2017**, 5, 13336-13340 | 13 | 38 |
| 13 | In situ electrochemically converting Fe2O3-Ni(OH)2 to NiFe2O4-NiOOH: a highly efficient electrocatalyst towards water oxidation. *Science China Materials*, **2017**, 60, 324-334 | 7.1 | 89 |
| 12 | Engineering transition metal phosphide nanomaterials as highly active electrocatalysts for water splitting. *Dalton Transactions*, **2017**, 46, 16770-16773 | 4.3 | 20 |
| 11 | Recent advances in transition metal phosphide nanomaterials: synthesis and applications in hydrogen evolution reaction. *Chemical Society Reviews*, **2016**, 45, 1529-41 | 58.5 | 2040 |
| 10 | Ni3Se2 nanoforest/Ni foam as a hydrophilic, metallic, and self-supported bifunctional electrocatalyst for both H2 and O2 generations. *Nano Energy*, **2016**, 24, 103-110 | 17.1 | 297 |

| | | | |
|---|---|---|---|
| 9 | Self-Template-Directed Synthesis of Porous Perovskite Nanowires at Room Temperature for High-Performance Visible-Light Photodetectors. *Angewandte Chemie*, **2015**, 127, 5785-5788 | 3.6 | 42 |
| 8 | Self-assembled synthesis of hierarchical Zn2GeO4 core-shell microspheres with enhanced photocatalytic activity. *Dalton Transactions*, **2015**, 44, 75-82 | 4.3 | 17 |
| 7 | Diethylenetriamine-assisted hydrothermal synthesis of dodecahedral □Fe2O3 nanocrystals with enhanced and stable photoelectrochemical activity. *CrystEngComm*, **2015**, 17, 27-31 | 3.3 | 8 |
| 6 | Metallic WO2-Carbon Mesoporous Nanowires as Highly Efficient Electrocatalysts for Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2015**, 137, 6983-6 | 16.4 | 382 |
| 5 | Self-template-directed synthesis of porous perovskite nanowires at room temperature for high-performance visible-light photodetectors. *Angewandte Chemie - International Edition*, **2015**, 54, 5693-6 | 16.4 | 176 |
| 4 | Ni2P nanosheets/Ni foam composite electrode for long-lived and pH-tolerable electrochemical hydrogen generation. *ACS Applied Materials & Interfaces*, **2015**, 7, 2376-84 | 9.5 | 195 |
| 3 | Synthesis of ultrathin CdS nanosheets as efficient visible-light-driven water splitting photocatalysts for hydrogen evolution. *Chemical Communications*, **2013**, 49, 9803-5 | 5.8 | 264 |
| 2 | Anion-exchange synthesis of nanoporous FeP nanosheets as electrocatalysts for hydrogen evolution reaction. *Chemical Communications*, **2013**, 49, 6656-8 | 5.8 | 388 |
| 1 | In situ structural reconstruction of NiMo alloy as a versatile organic oxidation electrode for boosting hydrogen production. *Rare Metals*,1 | 5.5 | 1 |