

# Mengqi Yao

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,488  
citations

394421

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39  
docs citations

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times ranked

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citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                   | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Nanocomposites of hierarchical ultrathin MnO <sub>2</sub> nanosheets/hollow carbon nanofibers for high-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2019, 463, 931-938.                                                                       | 6.1  | 137       |
| 2  | CVD-grown polypyrrole nanofilms on highly mesoporous structure MnO <sub>2</sub> for high performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2017, 307, 105-112.                                                                                | 12.7 | 135       |
| 3  | Rational design of self-supported Cu@WC core-shell mesoporous nanowires for pH-universal hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119451.                                                                                      | 20.2 | 133       |
| 4  | Electrodeposition preparation of NiCo <sub>2</sub> O <sub>4</sub> mesoporous film on ultrafine nickel wire for flexible asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 345, 31-38.                                                               | 12.7 | 126       |
| 5  | Hydrothermal electrodeposition incorporated with CVD-polymerisation to tune PPy@MnO <sub>2</sub> interlinked core-shell nanowires on carbon fabric for flexible solid-state asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 380, 122488.          | 12.7 | 100       |
| 6  | Novel hydrothermal electrodeposition to fabricate mesoporous film of Ni <sub>0.8</sub> Fe <sub>0.2</sub> nanosheets for high performance oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 226-233.                                       | 20.2 | 95        |
| 7  | Self-Supportive Mesoporous Ni/Co/Fe Phosphosulfide Nanorods Derived from Novel Hydrothermal Electrodeposition as a Highly Efficient Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2019, 15, e1905201.                                                       | 10.0 | 80        |
| 8  | Partly nitrogenized nickel oxide hollow spheres with multiple compositions for remarkable electrochemical performance. <i>Chemical Engineering Journal</i> , 2019, 358, 531-539.                                                                                          | 12.7 | 72        |
| 9  | Self-generated N-doped anodized stainless steel mesh for an efficient and stable overall water splitting electrocatalyst. <i>Applied Surface Science</i> , 2019, 480, 655-664.                                                                                            | 6.1  | 55        |
| 10 | Monodisperse nickel/cobalt oxide composite hollow spheres with mesoporous shell for hybrid supercapacitor: A facile fabrication and excellent electrochemical performance. <i>Composites Part B: Engineering</i> , 2017, 113, 144-151.                                    | 12.0 | 49        |
| 11 | Remarkable electrochemical properties of novel LaNi <sub>0.5</sub> Co <sub>0.5</sub> O <sub>3</sub> /0.33Co <sub>3</sub> O <sub>4</sub> hollow spheres with a mesoporous shell. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5838-5845.                             | 10.3 | 48        |
| 12 | Self-Assembled Ni <sub>3</sub> S <sub>2</sub> Nanosheets with Mesoporous Structure Tightly Held on Ni Foam as a Highly Efficient and Long-Term Electrocatalyst for Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5430-5439.                | 6.7  | 48        |
| 13 | Quaternary (Fe/Ni)(P/S) mesoporous nanorods templated on stainless steel mesh lead to stable oxygen evolution reaction for over two months. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 576-584.                                                         | 9.4  | 42        |
| 14 | Cu(I)/Cu(II) partially substituting the Co(II) of spinel Co <sub>3</sub> O <sub>4</sub> nanowires with 3D interconnected architecture on carbon cloth for high-performance flexible solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 391, 123536. | 12.7 | 37        |
| 15 | Self-Supported Composite of (Ni,Co) <sub>3</sub> C Mesoporous Nanosheets/N-Doped Carbon as a Flexible Electrocatalyst for pH-Universal Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5287-5295.                                         | 6.7  | 36        |
| 16 | Solar-driven hydrogen generation coupled with urea electrolysis by an oxygen vacancy-rich catalyst. <i>Chemical Engineering Journal</i> , 2021, 414, 128753.                                                                                                              | 12.7 | 32        |
| 17 | Interfacial engineering of an FeOOH@Co <sub>3</sub> O <sub>4</sub> heterojunction for efficient overall water splitting and electrocatalytic urea oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 617-626.                                        | 9.4  | 31        |
| 18 | In situ hydrothermal preparation of mesoporous Fe <sub>3</sub> O <sub>4</sub> film for high-performance negative electrodes of supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 189-194.                                                         | 4.4  | 26        |

| #  | ARTICLE                                                                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | High-entropy FeCoNiMn (oxy)hydroxide as high-performance electrocatalyst for OER and boosting clean carrier production under quasi-industrial condition. <i>Journal of Cleaner Production</i> , 2022, 356, 131680.                                                         | 9.3 | 22        |
| 20 | Azide-assisted hydrothermal synthesis of N-doped mesoporous carbon cloth for high-performance symmetric supercapacitor employing LiClO <sub>4</sub> as electrolyte. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 98, 58-65.                         | 7.6 | 21        |
| 21 | One-dimensional metal-organic nanowires-derived catalyst of carbon nanobamboos with encapsulated cobalt nanoparticles for oxygen reduction. <i>Journal of Catalysis</i> , 2021, 394, 366-375.                                                                              | 6.2 | 19        |
| 22 | Highly mesoporous LaNiO <sub>3</sub> /NiO composite with high specific surface area as a battery-type electrode. <i>Ceramics International</i> , 2017, 43, 5687-5692.                                                                                                      | 4.8 | 18        |
| 23 | Electrochemical behavior of representative electrode materials in artificial seawater for fabricating supercapacitors. <i>Electrochimica Acta</i> , 2019, 318, 211-219.                                                                                                    | 5.2 | 18        |
| 24 | Highly mesoporous structure nickel cobalt oxides with an ultra-high specific surface area for supercapacitor electrode materials. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1429-1434.                                                                    | 2.5 | 17        |
| 25 | Porous Ag-doped MnO <sub>2</sub> thin films for supercapacitor electrodes. <i>Journal of Porous Materials</i> , 2017, 24, 1717-1723.                                                                                                                                       | 2.6 | 15        |
| 26 | Mesoporous three dimension NiCo <sub>2</sub> O <sub>4</sub> /graphene composites fabricated by self-generated sacrificial template method for a greatly enhanced specific capacity. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11119-11124. | 2.2 | 14        |
| 27 | N-doped mesoporous carbon integrated on carbon cloth for flexible supercapacitors with remarkable performance. <i>Journal of Materials Science</i> , 2018, 53, 14573-14585.                                                                                                | 3.7 | 14        |
| 28 | High-boiling-point solvent synthesis of mesoporous NiCo <sub>2</sub> S <sub>4</sub> with high specific surface area as supercapacitor electrode material. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2093-2099.                             | 2.2 | 13        |
| 29 | In situ removal of template to synthesize mesoporous NiCo <sub>2</sub> O <sub>4</sub> for high performance battery-type electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016, 782, 133-137.                                                                     | 3.8 | 10        |
| 30 | Waste stainless steel mesh anodized under hydrothermal environment for flexible negative electrode of supercapacitor. <i>Journal of Porous Materials</i> , 2019, 26, 1489-1494.                                                                                            | 2.6 | 8         |
| 31 | Electrochemical deposition of Al-Mg alloys on tungsten wires from AlCl <sub>3</sub> -NaCl-KCl melts. <i>Fusion Engineering and Design</i> , 2016, 103, 8-12.                                                                                                               | 1.9 | 6         |
| 32 | Reversed preparation of low-density poly(divinylbenzene/styrene) foam columns coated with gold films. <i>Fusion Engineering and Design</i> , 2016, 107, 51-57.                                                                                                             | 1.9 | 3         |
| 33 | S and Co co-doped Cu <sub>3</sub> P nanowires self-supported on Cu foam as an efficient hydrogen evolution electrocatalyst in artificial seawater. <i>Journal of Porous Materials</i> , 2021, 28, 763-771.                                                                 | 2.6 | 3         |
| 34 | Direct sputtering- and electro-deposition of gold coating onto the closed surface of ultralow-density carbon-hydrogen foam cylinder. <i>Fusion Engineering and Design</i> , 2016, 113, 51-56.                                                                              | 1.9 | 2         |
| 35 | Triple functions of polyaniline in situ coated on silver powders for high-performance electrically conductive pastes. <i>Materials Express</i> , 2021, 11, 1231-1238.                                                                                                      | 0.5 | 2         |
| 36 | Iron electroplating under hydrothermal conditions to improve anticorrosion performance. <i>Transactions of the Institute of Metal Finishing</i> , 2018, 96, 179-184.                                                                                                       | 1.3 | 0         |

| #  | ARTICLE                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Preparation and Characterization of Nicke-iron Alloy Film as Freestanding Electrode for Oxygen Evolution Reaction. MATEC Web of Conferences, 2018, 160, 03001. | 0.2 | 0         |