

# Mengqi Yao

## List of Publications by Year in descending order

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37  
papers

1,488  
citations

394421

19  
h-index

345221

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g-index

39  
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39  
docs citations

39  
times ranked

1901  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Electrochemical behavior of representative electrode materials in artificial seawater for fabricating supercapacitors. <i>Electrochimica Acta</i> , 2019, 318, 211-219.	5.2	18
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	Preparation and Characterization of Nickel-iron Alloy Film as Freestanding Electrode for Oxygen Evolution Reaction. <i>MATEC Web of Conferences</i> , 2018, 160, 03001.	0.2	0
24	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
25	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
26	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
27	Remarkable electrochemical properties of novel LaNi <sub>0.5</sub> Co <sub>0.5</sub> O <sub>3</sub> /0.333Co <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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Electrochemical deposition of Al-Mg alloys on tungsten wires from AlCl <sub>3</sub> -NaCl-KCl melts. Fusion Engineering and Design, 2016, 103, 8-12.	1.9	6