

# Yating Hu

## List of Publications by Year in descending order

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39  
papers

2,710  
citations

257450

24  
h-index

377865

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

4963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-step pyrolysis of Mn MIL-100 MOF into MnO nanoclusters/carbon and the effect of N-doping. Journal of Materials Chemistry A, 2022, 10, 8172-8177.	10.3	7
2	Direct Pyrolysis of a Manganese-Triazolate Metal-Organic Framework into Air-Stable Manganese Nitride Nanoparticles. Advanced Science, 2021, 8, 2003212.	11.2	13
3	MOF-derived manganese oxide/carbon nanocomposites with raised capacitance for stable asymmetric supercapacitor. RSC Advances, 2020, 10, 34403-34412.	3.6	24
4	Micro/Mesoporous Materials: Guided Assembly of Microporous/Mesoporous Manganese Phosphates by Bifunctional Organophosphonic Acid Etching and Templating (Adv. Mater. 25/2019). Advanced Materials, 2019, 31, 1970182.	21.0	0
5	Enlarged Interlayer Spacing in Cobalt-Manganese Layered Double Hydroxide Guiding Transformation to Layered Structure for High Supercapacitance. ACS Applied Materials & Interfaces, 2019, 11, 23236-23243.	8.0	85
6	Guided Assembly of Microporous/Mesoporous Manganese Phosphates by Bifunctional Organophosphonic Acid Etching and Templating. Advanced Materials, 2019, 31, e1901124.	21.0	15
7	Strong Charge Transfer at 2H-1T Phase Boundary of MoS <sub>2</sub> for Superb High-Performance Energy Storage. Small, 2019, 15, e1900131.	10.0	53
8	Cu and Co nanoparticle-Co-decorated N-doped graphene nanosheets: a high efficiency bifunctional electrocatalyst for rechargeable Zn-air batteries. Journal of Materials Chemistry A, 2019, 7, 12851-12858.	10.3	50
9	All-Solid-State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. Advanced Energy Materials, 2019, 9, 1802753.	19.5	197
10	Ultrafine Molybdenum Carbide Nanocrystals Confined in Carbon Foams via a Colloid-Confinement Route for Efficient Hydrogen Production. Small Methods, 2018, 2, 1700396.	8.6	83
11	2D Metal-Organic Frameworks Derived Nanocarbon Arrays for Substrate Enhancement in Flexible Supercapacitors. Small, 2018, 14, e1702641.	10.0	80
12	High-Performance Energy Storage: Manganese-Oxide-Based Electrode Materials for Energy Storage Applications: How Close Are We to the Theoretical Capacitance? (Adv. Mater. 47/2018). Advanced Materials, 2018, 30, 1870364.	21.0	2
13	MOF-Derived Vertically Aligned Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanowires for Ultrahigh Capacity Lithium-Ion Batteries Anodes. Advanced Materials Interfaces, 2018, 5, 1800222.	3.7	58
14	Carbon and Metal Oxides Based Nanomaterials for Flexible High Performance Asymmetric Supercapacitors. Springer Theses, 2018, , .	0.1	5
15	Mn <sub>3</sub> O <sub>4</sub> Nanomaterials with Controllable Morphology and Particle Sizes. Springer Theses, 2018, , 63-73.	0.1	0
16	Improving the Surface Area and Loading Mass of MnOx Based Electrode Materials. Springer Theses, 2018, , 49-61.	0.1	0
17	Manganese-Oxide-Based Electrode Materials for Energy Storage Applications: How Close Are We to the Theoretical Capacitance?. Advanced Materials, 2018, 30, e1802569.	21.0	94
18	Nitrogen Doping of Mesoporous Carbon Materials. Springer Theses, 2018, , 35-47.	0.1	1

#	ARTICLE	IF	CITATIONS
19	Optimized Hybrid Mn <sub>3</sub> O <sub>4</sub> Nanofiber/rGO Paper for High Performance Flexible ASCs. Springer Theses, 2018, , 75-90.	0.1	0
20	Hybrid Fe <sub>2</sub> O <sub>3</sub> Nanoparticle Clusters/rGO Paper for Flexible Supercapacitors. Springer Theses, 2018, , 91-104.	0.1	0
21	Controllable MnCo <sub>2</sub> S <sub>4</sub> nanostructures for high performance hybrid supercapacitors. Journal of Materials Chemistry A, 2017, 5, 7494-7506.	10.3	198
22	Nanoflakes of Ni-Co LDH and Bi <sub>2</sub> O <sub>3</sub> Assembled in 3D Carbon Fiber Network for High-Performance Aqueous Rechargeable Ni/Bi Battery. ACS Applied Materials & Interfaces, 2017, 9, 26008-26015.	8.0	71
23	Controllable structure transitions of Mn <sub>3</sub> O <sub>4</sub> nanomaterials and their effects on electrochemical properties. Nanoscale Horizons, 2017, 2, 326-332.	8.0	25
24	Sulfur-doped cobalt phosphide nanotube arrays for highly stable hybrid supercapacitor. Nano Energy, 2017, 39, 162-171.	16.0	273
25	Nickel and Lanthanum Hydroxide Nanocomposites with Much Improved Electrochemical Performance for Supercapacitors. Journal of the American Ceramic Society, 2017, 100, 247-256.	3.8	11
26	Microwave assisted hydrothermal synthesis of nanocrystal $\text{Ni}(\text{OH})_2$ for supercapacitor applications. CrystEngComm, 2016, 18, 3256-3264.	2.6	42
27	Hybrid Fe <sub>2</sub> O <sub>3</sub> Nanoparticle Clusters/rGO Paper as an Effective Negative Electrode for Flexible Supercapacitors. Chemistry of Materials, 2016, 28, 7296-7303.	6.7	95
28	High-Performance Flexible Solid-State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. Advanced Energy Materials, 2016, 6, 1601034.	19.5	262
29	Controlled growth of a metal-organic framework on gold nanoparticles. CrystEngComm, 2016, 18, 5262-5266.	2.6	23
30	Flexible Asymmetric Supercapacitor Based on Structure-Optimized Mn <sub>3</sub> O <sub>4</sub> /Reduced Graphene Oxide Nanohybrid Paper with High Energy and Power Density. Advanced Functional Materials, 2015, 25, 7291-7299.	14.9	146
31	Activation of sucrose-derived carbon spheres for high-performance supercapacitor electrodes. RSC Advances, 2015, 5, 9307-9313.	3.6	73
32	Ferroelectricity of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite. Journal of Physical Chemistry Letters, 2015, 6, 1155-1161.	4.6	295
33	MnOx nanosheets for improved electrochemical performances through bilayer nano-architecting. Journal of Power Sources, 2015, 286, 394-399.	7.8	25
34	3D hierarchical SnO <sub>2</sub> @Ni(OH) <sub>2</sub> core-shell nanowire arrays on carbon cloth for energy storage application. Journal of Materials Chemistry A, 2015, 3, 9538-9542.	10.3	33
35	Conformally deposited NiO on a hierarchical carbon support for high-power and durable asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 23283-23288.	10.3	103
36	Doping cobalt hydroxide nanowires for better supercapacitor performance. Acta Materialia, 2015, 84, 20-28.	7.9	30

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37	Effects of nitrogen doping on supercapacitor performance of a mesoporous carbon electrode produced by a hydrothermal soft-templating process. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11753.	10.3	127
38	Surfactant-modified chemically reduced graphene oxide for electrochemical supercapacitors. <i>RSC Advances</i> , 2014, 4, 26398-26406.	3.6	69
39	Tuning the porous texture and specific surface area of nanoporous carbons for supercapacitor electrodes by adjusting the hydrothermal synthesis temperature. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12962.	10.3	42