

# Yulong Ying

## List of Publications by Year in descending order

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58  
papers

5,072  
citations

126907

33  
h-index

149698

56  
g-index

58  
all docs

58  
docs citations

58  
times ranked

6628  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ generated NiCo <sub>2</sub> O <sub>4</sub> /CoP polyhedron with rich oxygen vacancies interpenetrating by P-doped carbon nanotubes for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2246-2256.	9.4	32
2	Porous biomass skeleton/Ni-Co LDH composite nanomaterials electrode with high rate capability for advanced supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128078.	4.7	12
3	Novel CoZnNi oxyphosphide-based electrode with high hydroxyl ion adsorption capacity for ultra-high volumetric energy density asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 427-437.	9.4	24
4	Novel 2D/2D NiCo <sub>2</sub> O <sub>4</sub> /ZnCo <sub>2</sub> O <sub>4</sub> @rGO/CNTs self-supporting composite electrode with high hydroxyl ion adsorption capacity for asymmetric supercapacitor. <i>Journal of Materials Science and Technology</i> , 2022, 127, 236-244.	10.7	42
5	Fully Programmable Collective Behavior of Light-Powered Chemical Microrobots: pH-Dependent Motion Behavior Switch and Controlled Cancer Cell Destruction. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	9
6	Six-Degree-of-Freedom Steerable Visible-Light-Driven Microsubmarines Using Water as a Fuel: Application for Explosives Decontamination. <i>Small</i> , 2021, 17, e2100294.	10.0	22
7	A Maze in Plastic Wastes: Autonomous Motile Photocatalytic Microrobots against Microplastics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 25102-25110.	8.0	53
8	Reconstructed Bismuth-Based Metal-Organic Framework Nanofibers for Selective CO <sub>2</sub> to Formate Conversion: Morphology Engineering. <i>ChemSusChem</i> , 2021, 14, 3402-3412.	6.8	28
9	Carbon nanotubes interpenetrating MOFs-derived Co-Ni-S composite spheres with interconnected architecture for high performance hybrid supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 627-635.	9.4	57
10	High-performance supercapacitor based on highly active P-doped one-dimension/two-dimension hierarchical NiCo <sub>2</sub> O <sub>4</sub> /NiMoO <sub>4</sub> for efficient energy storage. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 793-802.	9.4	47
11	Light-Driven ZnO Brush-Shaped Self-Propelled Micromachines for Nitroaromatic Explosives Decomposition. <i>Small</i> , 2020, 16, e1902944.	10.0	36
12	Bismuthene Microsheets: Bismuthene Metallurgy: Transformation of Bismuth Particles to Ultrahigh-Aspect-Ratio 2D Microsheets (Small 29/2020). <i>Small</i> , 2020, 16, 2070163.	10.0	0
13	Metal-organic-frameworks on 3D-printed electrodes: <i>in situ</i> electrochemical transformation towards the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3732-3738.	4.9	15
14	Bismuthene Metallurgy: Transformation of Bismuth Particles to Ultrahigh-Aspect-Ratio 2D Microsheets. <i>Small</i> , 2020, 16, e2002037.	10.0	14
15	Microrobots in Brewery: Dual Magnetic/Light-Powered Hybrid Microrobots for Preventing Microbial Contamination in Beer. <i>Chemistry - A European Journal</i> , 2020, 26, 3039-3043.	3.3	24
16	Radioactive Uranium Preconcentration <i>via</i> Self-Propelled Autonomous Microrobots Based on Metal-Organic Frameworks. <i>ACS Nano</i> , 2019, 13, 11477-11487.	14.6	90
17	Catalytic and Light-Driven ZnO/Pt Janus Nano/Micromotors: Switching of Motion Mechanism via Interface Roughness and Defect Tailoring at the Nanoscale. <i>Advanced Functional Materials</i> , 2019, 29, 1808678.	14.9	74
18	Micro/Nanomotors for Water Purification. <i>Chemistry - A European Journal</i> , 2019, 25, 106-121.	3.3	78

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19	Cross-flow-assembled ultrathin and robust graphene oxide membranes for efficient molecule separation. <i>Nanotechnology</i> , 2018, 29, 155602.	2.6	10
20	ZnO/ZnO <sub>2</sub> /Pt Janus Micromotors Propulsion Mode Changes with Size and Interface Structure: Enhanced Nitroaromatic Explosives Degradation under Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42688-42697.	8.0	70
21	Blocking Polysulfides and Facilitating Lithium-Ion Transport: Polystyrene Sulfonate@HKUST-1 Membrane for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30451-30459.	8.0	69
22	Ionic Liquid Selectively Facilitates CO <sub>2</sub> Transport through Graphene Oxide Membrane. <i>ACS Nano</i> , 2018, 12, 5385-5393.	14.6	161
23	Recent advances of nanomaterial-based membrane for water purification. <i>Applied Materials Today</i> , 2017, 7, 144-158.	4.3	154
24	Robust GQDs Modified Thermally Reduced Graphene Oxide Membranes for Ultrafast and Long-Term Purification of Dye-Wasted Water. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700209.	3.7	33
25	Flexible and Binder-Free Hierarchical Porous Carbon Film for Supercapacitor Electrodes Derived from MOFs/CNT. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14043-14050.	8.0	167
26	Enhanced Gas Separation through Nanoconfined Ionic Liquid in Laminated MoS <sub>2</sub> Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44251-44257.	8.0	77
27	High efficient thin-film composite membrane: Ultrathin hydrophilic polyamide film on macroporous superhydrophobic polytetrafluoroethylene substrate. <i>Applied Materials Today</i> , 2017, 8, 54-59.	4.3	12
28	Two-dimensional materials for novel liquid separation membranes. <i>Nanotechnology</i> , 2016, 27, 332001.	2.6	45
29	Ultrafast adsorption and selective desorption of aqueous aromatic dyes by graphene sheets modified by graphene quantum dots. <i>Nanotechnology</i> , 2016, 27, 245703.	2.6	33
30	Mechanical enhancement of a nanoconfined-electrodeposited nacre-like Cu <sub>2</sub> O layered crystal/graphene oxide nanosheet composite thin film. <i>RSC Advances</i> , 2016, 6, 94845-94850.	3.6	6
31	Self-confined synthesis of HKUST-1 membranes from CuO nanosheets at room temperature. <i>ChemistrySelect</i> , 2016, 1, 108-113.	1.5	18
32	High aspect ratio tungsten grating on ultrathin Si membranes for extreme UV lithography. <i>Nanotechnology</i> , 2016, 27, 352501.	2.6	0
33	Polystyrene Sulfonate Threaded through a Metal-Organic Framework Membrane for Fast and Selective Lithium-Ion Separation. <i>Angewandte Chemie</i> , 2016, 128, 15344-15348.	2.0	78
34	Polystyrene Sulfonate Threaded through a Metal-Organic Framework Membrane for Fast and Selective Lithium-Ion Separation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15120-15124.	13.8	272
35	Fe <sub>3</sub> O <sub>4</sub> nanoparticle anchored layered graphene films for high performance lithium storage. <i>New Journal of Chemistry</i> , 2016, 40, 2649-2654.	2.8	20
36	Recent advances in carbon-based dots for electroanalysis. <i>Analyst</i> , The, 2016, 141, 2619-2628.	3.5	29

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37	Hierarchical Mesoporous Metal-Organic Frameworks for Enhanced CO <sub>2</sub> Capture. Chemistry - A European Journal, 2015, 21, 15127-15132.	3.3	59
38	Nonlinear Steady-State Model Based Gas Turbine Health Status Estimation Approach with Improved Particle Swarm Optimization Algorithm. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	20
39	Porous reduced graphene oxide paper as a binder-free electrode for high-performance supercapacitors. RSC Advances, 2015, 5, 27175-27180.	3.6	10
40	Room temperature synthesis of ZIF-8 membranes from seeds anchored in gelatin films for gas separation. CrystEngComm, 2015, 17, 1576-1582.	2.6	18
41	Two-Dimensional Titanium Carbide for Efficiently Reductive Removal of Highly Toxic Chromium(VI) from Water. ACS Applied Materials & Interfaces, 2015, 7, 1795-1803.	8.0	510
42	Binder-free layered Ti <sub>3</sub> C <sub>2</sub> /CNTs nanocomposite anodes with enhanced capacity and long-cycle life for lithium-ion batteries. Dalton Transactions, 2015, 44, 7123-7126.	3.3	91
43	Au nanoparticle-decorated ultrathin CdS nanowires for high-efficiency photodegradation of organic dyes. Applied Physics A: Materials Science and Processing, 2015, 120, 1291-1297.	2.3	10
44	Ultrafast Molecule Separation through Layered WS <sub>2</sub> Nanosheet Membranes. ACS Nano, 2014, 8, 6304-6311.	14.6	276
45	General incorporation of diverse components inside metal-organic framework thin films at room temperature. Nature Communications, 2014, 5, 5532.	12.8	155
46	Zinc hydroxide nanostrands: unique precursors for synthesis of ZIF-8 thin membranes exhibiting high size-sieving ability for gas separation. CrystEngComm, 2014, 16, 9788-9791.	2.6	31
47	Starfish-like Au-CdS hybrids for the highly efficient photocatalytic degradation of organic dyes. RSC Advances, 2014, 4, 42441-42444.	3.6	9
48	In-plane mesoporous graphene oxide nanosheet assembled membranes for molecular separation. RSC Advances, 2014, 4, 21425.	3.6	72
49	Binder-free three-dimensional porous Mn <sub>3</sub> O <sub>4</sub> nanorods/reduced graphene oxide paper-like electrodes for electrochemical energy storage. RSC Advances, 2014, 4, 16374.	3.6	53
50	Pressure-Assisted Synthesis of HKUST-1 Thin Film on Polymer Hollow Fiber at Room Temperature toward Gas Separation. ACS Applied Materials & Interfaces, 2014, 6, 4473-4479.	8.0	84
51	Graphene oxide nanosheet: an emerging star material for novel separation membranes. Journal of Materials Chemistry A, 2014, 2, 13772-13782.	10.3	316
52	Specific Oriented Metal-Organic Framework Membranes and Their Facet-Tuned Separation Performance. ACS Applied Materials & Interfaces, 2014, 6, 15676-15685.	8.0	45
53	CuO nanosheets/rGO hybrid lamellar films with enhanced capacitance. Nanoscale, 2013, 5, 9134.	5.6	122
54	Flexible CuO Nanosheets/Reduced-Graphene Oxide Composite Paper: Binder-Free Anode for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 9850-9855.	8.0	173

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55	Ultrafast viscous water flow through nanostrand-channelled graphene oxide membranes. <i>Nature Communications</i> , 2013, 4, 2979.	12.8	673
56	Enhanced gas separation through well-intergrown MOF membranes: seed morphology and crystal growth effects. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11711.	10.3	45
57	Nanoporous ZnO nanostructures for photocatalytic degradation of organic pollutants. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 110, 351-359.	2.3	22
58	Salt concentration, pH and pressure controlled separation of small molecules through lamellar graphene oxide membranes. <i>Chemical Communications</i> , 2013, 49, 5963.	4.1	367