

# Yulong Ying

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Ultrafast viscous water flow through nanostrand-channelled graphene oxide membranes. Nature Communications, 2013, 4, 2979.  | 12.8 | 673       |
| 2  | 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       |
| 3  | Salt concentration, pH and pressure controlled separation of small molecules through lamellar graphene oxide membranes. Chemical Communications, 2013, 49, 5963.                              | 4.1  | 367       |
| 4  | Graphene oxide nanosheet: an emerging star material for novel separation membranes. Journal of Materials Chemistry A, 2014, 2, 13772-13782.   | 10.3 | 316       |
| 5  | Ultrafast Molecule Separation through Layered WS <sub>2</sub> Nanosheet Membranes. ACS Nano, 2014, 8, 6304-6311.  | 14.6 | 276       |
| 6  | Polystyrene Sulfonate Threaded through a Metal-Organic Framework Membrane for Fast and Selective Lithium-Ion Separation. Angewandte Chemie - International Edition, 2016, 55, 15120-15124.    | 13.8 | 272       |
| 7  | 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       |
| 8  | Flexible and Binder-Free Hierarchical Porous Carbon Film for Supercapacitor Electrodes Derived from MOFs/CNT. ACS Applied Materials & Interfaces, 2017, 9, 14043-14050.                       | 8.0  | 167       |
| 9  | Ionic Liquid Selectively Facilitates CO <sub>2</sub> Transport through Graphene Oxide Membrane. ACS Nano, 2018, 12, 5385-5393.  | 14.6 | 161       |
| 10 | General incorporation of diverse components inside metal-organic framework thin films at room temperature. Nature Communications, 2014, 5, 5532.  | 12.8 | 155       |
| 11 | Recent advances of nanomaterial-based membrane for water purification. Applied Materials Today, 2017, 7, 144-158.   | 4.3  | 154       |
| 12 | CuO nanosheets/rGO hybrid lamellar films with enhanced capacitance. Nanoscale, 2013, 5, 9134.   | 5.6  | 122       |
| 13 | 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        |
| 14 | Radioactive Uranium Preconcentration <i>via</i> Self-Propelled Autonomous Microrobots Based on Metal-Organic Frameworks. ACS Nano, 2019, 13, 11477-11487.                                     | 14.6 | 90        |
| 15 | 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        |
| 16 | Polystyrene Sulfonate Threaded through a Metal-Organic Framework Membrane for Fast and Selective Lithium-Ion Separation. Angewandte Chemie, 2016, 128, 15344-15348.                           | 2.0  | 78        |
| 17 | Micro/Nanomotors for Water Purification. Chemistry - A European Journal, 2019, 25, 106-121.   | 3.3  | 78        |
| 18 | Enhanced Gas Separation through Nanoconfined Ionic Liquid in Laminated MoS <sub>2</sub> Membrane. ACS Applied Materials & Interfaces, 2017, 9, 44251-44257.                                   | 8.0  | 77        |

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|----|---|------|-----------|
| 19 | 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        |
| 20 | In-plane mesoporous graphene oxide nanosheet assembled membranes for molecular separation. <i>RSC Advances</i> , 2014, 4, 21425.  | 3.6  | 72        |
| 21 | 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        |
| 22 | 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        |
| 23 | Hierarchical Mesoporous Metal-Organic Frameworks for Enhanced CO <sub>2</sub> Capture. <i>Chemistry - A European Journal</i> , 2015, 21, 15127-15132.   | 3.3  | 59        |
| 24 | 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        |
| 25 | Binder-free three-dimensional porous Mn <sub>3</sub> O <sub>4</sub> nanorods/reduced graphene oxide paper-like electrodes for electrochemical energy storage. <i>RSC Advances</i> , 2014, 4, 16374.   | 3.6  | 53        |
| 26 | 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        |
| 27 | 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        |
| 28 | 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        |
| 29 | Specific Oriented Metal-Organic Framework Membranes and Their Facet-Tuned Separation Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15676-15685.   | 8.0  | 45        |
| 30 | Two-dimensional materials for novel liquid separation membranes. <i>Nanotechnology</i> , 2016, 27, 332001.  | 2.6  | 45        |
| 31 | 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        |
| 32 | Light-Driven ZnO Brush-Shaped Self-Propelled Micromachines for Nitroaromatic Explosives Decomposition. <i>Small</i> , 2020, 16, e1902944.   | 10.0 | 36        |
| 33 | 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        |
| 34 | 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        |
| 35 | 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        |
| 36 | Zinc hydroxide nanostrands: unique precursors for synthesis of ZIF-8 thin membranes exhibiting high size-sieving ability for gas separation. <i>CrystEngComm</i> , 2014, 16, 9788-9791.   | 2.6  | 31        |

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|----|--|------|-----------|
| 37 | Recent advances in carbon-based dots for electroanalysis. <i>Analyst, The</i> , 2016, 141, 2619-2628.  | 3.5  | 29        |
| 38 | 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        |
| 39 | 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        |
| 40 | 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        |
| 41 | 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        |
| 42 | 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        |
| 43 | Nonlinear Steady-State Model Based Gas Turbine Health Status Estimation Approach with Improved Particle Swarm Optimization Algorithm. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-12.                          | 1.1  | 20        |
| 44 | 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        |
| 45 | Room temperature synthesis of ZIF-8 membranes from seeds anchored in gelatin films for gas separation. <i>CrystEngComm</i> , 2015, 17, 1576-1582.  | 2.6  | 18        |
| 46 | Self-confined synthesis of HKUST-1 membranes from CuO nanosheets at room temperature. <i>ChemistrySelect</i> , 2016, 1, 108-113.   | 1.5  | 18        |
| 47 | 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        |
| 48 | Bismuthene Metallurgy: Transformation of Bismuth Particles to Ultrahigh Aspect Ratio 2D Microsheets. <i>Small</i> , 2020, 16, e2002037.  | 10.0 | 14        |
| 49 | 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        |
| 50 | 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        |
| 51 | Porous reduced graphene oxide paper as a binder-free electrode for high-performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 27175-27180.   | 3.6  | 10        |
| 52 | Au nanoparticle-decorated ultrathin CdS nanowires for high-efficiency photodegradation of organic dyes. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 1291-1297.                                     | 2.3  | 10        |
| 53 | Cross-flow-assembled ultrathin and robust graphene oxide membranes for efficient molecule separation. <i>Nanotechnology</i> , 2018, 29, 155602.  | 2.6  | 10        |
| 54 | Starfish-like Au-CdS hybrids for the highly efficient photocatalytic degradation of organic dyes. <i>RSC Advances</i> , 2014, 4, 42441-42444.  | 3.6  | 9         |

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|----|--|------|-----------|
| 55 | Fully Programmable Collective Behavior of Light-Powered Chemical Microrobotics: pH-Dependent Motion Behavior Switch and Controlled Cancer Cell Destruction. <i>Advanced Functional Materials</i> , 2022, 32, . | 14.9 | 9         |
| 56 | 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         |
| 57 | High aspect ratio tungsten grating on ultrathin Si membranes for extreme UV lithography. <i>Nanotechnology</i> , 2016, 27, 352501.   | 2.6  | 0         |
| 58 | Bismuthene Microsheets: Bismuthene Metallurgy: Transformation of Bismuth Particles to Ultrahigh-Aspect-Ratio 2D Microsheets ( <i>Small</i> 29/2020). <i>Small</i> , 2020, 16, 2070163.                         | 10.0 | 0         |