

# Qiyao Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

2,415  
citations

448610

19  
h-index

721071

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3853  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Permeable Conductors for Wearable and On-Skin Electronics. <i>Small Structures</i> , 2022, 3, 2100135.  | 6.9  | 46        |
| 2  | Hybrid Lithium-Ion/Metal Electrodes Enable Long Cycle Stability and High Energy Density of Flexible Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .   | 7.8  | 18        |
| 3  | Highly Breathable and Stretchable Strain Sensors with Insensitive Response to Pressure and Bending. <i>Advanced Functional Materials</i> , 2021, 31, 2007622.   | 7.8  | 96        |
| 4  | Pathways of Developing High-Energy-Density Flexible Lithium Batteries. <i>Advanced Materials</i> , 2021, 33, e2004419.  | 11.1 | 68        |
| 5  | Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. <i>Nature Materials</i> , 2021, 20, 859-868.  | 13.3 | 407       |
| 6  | Crumpled, high-power, and safe wearable Lithium-Ion Battery enabled by nanostructured metallic textiles. <i>Fundamental Research</i> , 2021, 1, 399-407.  | 1.6  | 15        |
| 7  | Liquid-Metal Superlyophilic and Conductivity-Strain-Enhancing Scaffold for Permeable Superelastic Conductors. <i>Advanced Functional Materials</i> , 2021, 31, 2105587.   | 7.8  | 64        |
| 8  | Smoothing the Sodium-Metal Anode with a Self-Regulating Alloy Interface for High-Energy and Sustainable Sodium-Metal Batteries. <i>Advanced Materials</i> , 2021, 33, e2102802.                                     | 11.1 | 50        |
| 9  | Realizing High-Energy and Stable Wire-Type Batteries with Flexible Lithium-Metal Composite Yarns. <i>Advanced Energy Materials</i> , 2021, 11, 2101809.   | 10.2 | 32        |
| 10 | Hyperporous magnetic catalyst foam for highly efficient and stable adsorption and reduction of aqueous organic contaminants. <i>Journal of Hazardous Materials</i> , 2021, 420, 126622.                             | 6.5  | 7         |
| 11 | $V_{2}O_{5}$ Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906205.  | 11.1 | 107       |
| 12 | Soft Hybrid Scaffold (SHS) Strategy for Realization of Ultrahigh Energy Density of Wearable Aqueous Supercapacitors. <i>Advanced Materials</i> , 2020, 32, e1907088.  | 11.1 | 43        |
| 13 | Additive Functionalization and Embroidery for Manufacturing Wearable and Washable Textile Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1910541.  | 7.8  | 55        |
| 14 | A Figure of Merit for Flexible Batteries. <i>Joule</i> , 2020, 4, 1346-1349.  | 11.7 | 81        |
| 15 | Machine-washable and breathable pressure sensors based on triboelectric nanogenerators enabled by textile technologies. <i>Nano Energy</i> , 2020, 70, 104528.  | 8.2  | 151       |
| 16 | Boosting the Energy Density of Flexible Asymmetric Supercapacitor with Three Dimensional Fe <sub>2</sub> O <sub>3</sub> Composite Brush Anode. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 97-104. | 1.3  | 9         |
| 17 | Freestanding Lamellar Porous Carbon Stacks for Low-Temperature-Foldable Supercapacitors. <i>Small</i> , 2019, 15, e1902071.   | 5.2  | 39        |
| 18 | Flexible and stable high-energy lithium-sulfur full batteries with only 100% oversized lithium. <i>Nature Communications</i> , 2018, 9, 4480.   | 5.8  | 193       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Flexible high energy density zinc-ion batteries enabled by binder-free MnO <sub>2</sub> /reduced graphene oxide electrode. <i>Npj Flexible Electronics</i> , 2018, 2, .      | 5.1  | 69        |
| 20 | Waterproof, Ultrahigh Areal Capacitance, Wearable Supercapacitor Fabrics. <i>Advanced Materials</i> , 2017, 29, 1606679.   | 11.1 | 297       |
| 21 | Self-Healing Materials for Next-Generation Energy Harvesting and Storage Devices. <i>Advanced Energy Materials</i> , 2017, 7, 1700890.                                       | 10.2 | 206       |
| 22 | Textile-Based Electrochemical Energy Storage Devices. <i>Advanced Energy Materials</i> , 2016, 6, 1600783.   | 10.2 | 287       |
| 23 | One-step electrospinning of carbon nanowebbs on metallic textiles for high-capacitance supercapacitor fabrics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6802-6808. | 5.2  | 74        |