

# Qiyao Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

2,415  
citations

394390

19  
h-index

642715

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Permeable Conductors for Wearable and On-Skin Electronics. <i>Small Structures</i> , 2022, 3, 2100135.	12.0	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, .	14.9	18
3	Highly Breathable and Stretchable Strain Sensors with Insensitive Response to Pressure and Bending. <i>Advanced Functional Materials</i> , 2021, 31, 2007622.	14.9	96
4	Pathways of Developing High-Energy-Density Flexible Lithium Batteries. <i>Advanced Materials</i> , 2021, 33, e2004419.	21.0	68
5	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. <i>Nature Materials</i> , 2021, 20, 859-868.	27.5	407
6	Crumpled, high-power, and safe wearable Lithium-Ion Battery enabled by nanostructured metallic textiles. <i>Fundamental Research</i> , 2021, 1, 399-407.	3.3	15
7	Liquid-“Metal” Superlyophilic and Conductivity-Strain-Enhancing Scaffold for Permeable Superelastic Conductors. <i>Advanced Functional Materials</i> , 2021, 31, 2105587.	14.9	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.	21.0	50
9	Realizing High-Energy and Stable Wire-Type Batteries with Flexible Lithium-Metal Composite Yarns. <i>Advanced Energy Materials</i> , 2021, 11, 2101809.	19.5	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.	12.4	7
11	$V_{O_2}$ Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906205.	21.0	107
12	Soft Hybrid Scaffold (SHS) Strategy for Realization of Ultrahigh Energy Density of Wearable Aqueous Supercapacitors. <i>Advanced Materials</i> , 2020, 32, e1907088.	21.0	43
13	Additive Functionalization and Embroidery for Manufacturing Wearable and Washable Textile Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1910541.	14.9	55
14	A Figure of Merit for Flexible Batteries. <i>Joule</i> , 2020, 4, 1346-1349.	24.0	81
15	Machine-washable and breathable pressure sensors based on triboelectric nanogenerators enabled by textile technologies. <i>Nano Energy</i> , 2020, 70, 104528.	16.0	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.	2.6	9
17	Freestanding Lamellar Porous Carbon Stacks for Low-Temperature-Foldable Supercapacitors. <i>Small</i> , 2019, 15, e1902071.	10.0	39
18	Flexible and stable high-energy lithium-sulfur full batteries with only 100% oversized lithium. <i>Nature Communications</i> , 2018, 9, 4480.	12.8	193

#	ARTICLE	IF	CITATIONS
19	Flexible high energy density zinc-ion batteries enabled by binder-free MnO <sub>2</sub> /reduced graphene oxide electrode. Npj Flexible Electronics, 2018, 2, .	10.7	69
20	Waterproof, Ultrahigh Areal Capacitance, Wearable Supercapacitor Fabrics. Advanced Materials, 2017, 29, 1606679.	21.0	297
21	Self-Healing Materials for Next-Generation Energy Harvesting and Storage Devices. Advanced Energy Materials, 2017, 7, 1700890.	19.5	206
22	Textile-Based Electrochemical Energy Storage Devices. Advanced Energy Materials, 2016, 6, 1600783.	19.5	287
23	One-step electrospinning of carbon nanoweb on metallic textiles for high-capacitance supercapacitor fabrics. Journal of Materials Chemistry A, 2016, 4, 6802-6808.	10.3	74