

Yuan Gao

List of Publications by Year in descending order

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18
papers

1,556
citations

567281

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839539

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all docs

18
docs citations

18
times ranked

2669
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber-Based All-Solid-State Flexible Supercapacitors for Self-Powered Systems. ACS Nano, 2012, 6, 9200-9206.	14.6	596
2	Printable Fabrication of a Fully Integrated and Self-Powered Sensor System on Plastic Substrates. Advanced Materials, 2019, 31, e1804285.	21.0	148
3	Printable Fabrication of Nanocoral-Structured Electrodes for High-Performance Flexible and Planar Supercapacitor with Artistic Design. Advanced Materials, 2017, 29, 1701736.	21.0	125
4	Transferable self-welding silver nanowire network as high performance transparent flexible electrode. Nanotechnology, 2013, 24, 335202.	2.6	116
5	Fibrous Materials for Flexible Li-S Battery. Advanced Energy Materials, 2021, 11, 2002580.	19.5	85
6	Textile Composite Electrodes for Flexible Batteries and Supercapacitors: Opportunities and Challenges. Advanced Energy Materials, 2021, 11, 2002838.	19.5	78
7	Pathways of Developing High-Energy-Density Flexible Lithium Batteries. Advanced Materials, 2021, 33, e2004419.	21.0	68
8	Recent progress on printable power supply devices and systems with nanomaterials. Nano Research, 2018, 11, 3065-3087.	10.4	60
9	A fluorinated polymer sponge with superhydrophobicity for high-performance biomechanical energy harvesting. Nano Energy, 2021, 85, 106021.	16.0	55
10	Highly flexible and transferable supercapacitors with ordered three-dimensional MnO ₂ /Au/MnO ₂ nanospike arrays. Journal of Materials Chemistry A, 2015, 3, 10199-10204.	10.3	53
11	A Highly Controllable Electrochemical Anodization Process to Fabricate Porous Anodic Aluminum Oxide Membranes. Nanoscale Research Letters, 2015, 10, 495.	5.7	34
12	Realizing High-Energy and Stable Wire-Type Batteries with Flexible Lithium-Metal Composite Yarns. Advanced Energy Materials, 2021, 11, 2101809.	19.5	32
13	Bioinspired Hierarchical Structures for Contact-Sensible Adhesives. Advanced Functional Materials, 2022, 32, 2109076.	14.9	30
14	Three-dimensional nanotube electrode arrays for hierarchical tubular structured high-performance pseudocapacitors. Nanoscale, 2016, 8, 13280-13287.	5.6	23
15	Au-coated carbon fabric as Janus current collector for dendrite-free flexible lithium metal anode and battery. Applied Physics Reviews, 2022, 9, .	11.3	18
16	Rational Design of Li-Wicking Hosts for Ultrafast Fabrication of Flexible and Stable Lithium Metal Anodes. Small, 2022, 18, e2105308.	10.0	14
17	Accelerating ion diffusion with unique three-dimensionally interconnected nanopores for self-membrane high-performance pseudocapacitors. Nanoscale, 2017, 9, 18311-18317.	5.6	12
18	Boosting the Energy Density of Flexible Asymmetric Supercapacitor with Three Dimensional Fe ₂ O ₃ Composite Brush Anode. Chemical Research in Chinese Universities, 2020, 36, 97-104.	2.6	9