

Tingting Gao

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,550
citations

257429

24
h-index

434170

31
g-index

31
all docs

31
docs citations

31
times ranked

5173
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-Printed, All-in-One Evaporator for High-Efficiency Solar Steam Generation under 1 Sun Illumination. <i>Advanced Materials</i> , 2017, 29, 1700981.	21.0	511
2	Highly Compressible, Anisotropic Aerogel with Aligned Cellulose Nanofibers. <i>ACS Nano</i> , 2018, 12, 140-147.	14.6	364
3	Graphene oxide-based evaporator with one-dimensional water transport enabling high-efficiency solar desalination. <i>Nano Energy</i> , 2017, 41, 201-209.	16.0	316
4	3D-Printed All-Fiber Li-Ion Battery toward Wearable Energy Storage. <i>Advanced Functional Materials</i> , 2017, 27, 1703140.	14.9	270
5	Three-Dimensional Printed Thermal Regulation Textiles. <i>ACS Nano</i> , 2017, 11, 11513-11520.	14.6	261
6	Extrusion-Based 3D Printing of Hierarchically Porous Advanced Battery Electrodes. <i>Advanced Materials</i> , 2018, 30, e1705651.	21.0	241
7	Single Atom Array Mimic on Ultrathin MOF Nanosheets Boosts the Safety and Life of Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2020, 32, e1906722.	21.0	205
8	Enabling High-Areal-Capacity Lithium-Sulfur Batteries: Designing Anisotropic and Low-Tortuosity Porous Architectures. <i>ACS Nano</i> , 2017, 11, 4801-4807.	14.6	151
9	3D Printing of Tunable Energy Storage Devices with Both High Areal and Volumetric Energy Densities. <i>Advanced Energy Materials</i> , 2019, 9, 1802578.	19.5	132
10	A Freestanding Flexible Single-Atom Cobalt-Based Multifunctional Interlayer toward Reversible and Durable Lithium-Sulfur Batteries. <i>Small Methods</i> , 2020, 4, 1900701.	8.6	123
11	Architecting a Floatable, Durable, and Scalable Steam Generator: Hydrophobic/Hydrophilic Bifunctional Structure for Solar Evaporation Enhancement. <i>Small Methods</i> , 2019, 3, 1800176.	8.6	97
12	3D printed separator for the thermal management of high-performance Li metal anodes. <i>Energy Storage Materials</i> , 2018, 12, 197-203.	18.0	95
13	Two Birds with One Stone: Interfacial Engineering of Multifunctional Janus Separator for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2022, 34, e2107638.	21.0	91
14	Disability adjusted life year (DALY): A useful tool for quantitative assessment of environmental pollution. <i>Science of the Total Environment</i> , 2015, 511, 268-287.	8.0	81
15	Breath-Figure Self-Assembled Low-Cost Janus Fabrics for Highly Efficient and Stable Solar Desalination. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	80
16	In Situ α -Chainmail Catalyst-Assembly in Low-Tortuosity, Hierarchical Carbon Frameworks for Efficient and Stable Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1801289.	19.5	79
17	Enhanced Cathode and Anode Compatibility for Boosting Both Energy and Power Densities of Na/K-Ion Hybrid Capacitors. <i>Matter</i> , 2019, 1, 893-910.	10.0	65
18	Thermally Stable Cellulose Nanocrystals toward High-Performance 2D and 3D Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28922-28929.	8.0	53

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19	Epitaxial Welding of Carbon Nanotube Networks for Aqueous Battery Current Collectors. <i>ACS Nano</i> , 2018, 12, 5266-5273.	14.6	51
20	Synthesis of Hierarchically Porous Sandwich-Like Carbon Materials for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2016, 22, 16863-16871.	3.3	38
21	Wet spinning of fiber-shaped flexible Zn-ion batteries toward wearable energy storage. <i>Journal of Energy Chemistry</i> , 2022, 71, 192-200.	12.9	37
22	β -Cyclodextrin-based hollow nanoparticles with excellent adsorption performance towards organic and inorganic pollutants. <i>Nanoscale</i> , 2019, 11, 18653-18661.	5.6	35
23	In Situ, Fast, High-Temperature Synthesis of Nickel Nanoparticles in Reduced Graphene Oxide Matrix. <i>Advanced Energy Materials</i> , 2017, 7, 1601783.	19.5	27
24	All-in-One Compact Architecture toward Wearable All-Solid-State, High-Volumetric-Energy-Density Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23834-23841.	8.0	25
25	Carbonized MOF-Coated Zero-Valent Cu Driving an Efficient Dual-Reaction-Center Fenton-like Water Treatment Process through Utilizing Pollutants and Natural Dissolved Oxygen. <i>ACS ES&T Water</i> , 2022, 2, 174-183.	4.6	25
26	One-pot fabrication of antibacterial β -cyclodextrin-based nanoparticles and their superfast, broad-spectrum adsorption towards pollutants. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 302-312.	9.4	22
27	H ₂ O ₂ inducing dissolved oxygen activation and electron donation of pollutants over Fe-ZnS quantum dots through surface electron-poor/rich microregion construction for water treatment. <i>Journal of Hazardous Materials</i> , 2021, 420, 126579.	12.4	22
28	Rapid, Selective Adsorption of Methylene Blue from Aqueous Solution by Durable Nanofibrous Membranes. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3998-4008.	1.9	17
29	Vanadium tetrasulfide cross-linking graphene-like carbon driving a sustainable electron supply chain from pollutants through the activation of dissolved oxygen and hydrogen peroxide. <i>Environmental Science: Nano</i> , 2021, 8, 86-96.	4.3	15
30	Water-Insoluble Cyclodextrin-based nanocubes for highly efficient adsorption toward diverse organic and inorganic pollutants. <i>Separation and Purification Technology</i> , 2022, 291, 120970.	7.9	12
31	The interaction of surface electron distribution-polarized Fe/polyimide hybrid nanosheets with organic pollutants driving a sustainable Fenton-like process. <i>Materials Advances</i> , 2020, 1, 1083-1091.	5.4	9