Mingzheng Ge

List of Publications by Year in Descending Order

30 papers	1,947 citations	15 h-index	31 g-index
31 ext. papers	2,648 ext. citations	11.6 avg, IF	5.06 L-index

#	Paper	IF	Citations
30	In Operando Neutron Scattering Multiple-Scale Studies of Lithium-Ion Batteries.. *Small*, **2022**, e2107491	11	2
29	Ion regulation of hollow nickel cobalt layered double hydroxide nanocages derived from ZIF-67 for High-Performance supercapacitors. *Applied Surface Science*, **2022**, 596, 153582	6.7	2
28	Rational Design of Electrospun Nanofibers for Gas Purification: Principles, Opportunities, and Challenges. *Chemical Engineering Journal*, **2022**, 137099	14.7	1
27	Surface Passivation Using Two Dimensional Perovskites Towards Efficient and Stable Perovskite Solar Cells. *Advanced Materials*, **2021**, e2105635	24	35
26	Engineering the composition and structure of superaerophobic nanosheet array for efficient hydrogen evolution. *Chemical Engineering Journal*, **2021**, 433, 133517	14.7	1
25	Smart surfaces with reversibly switchable wettability: Concepts, synthesis and applications.. *Advances in Colloid and Interface Science*, **2021**, 300, 102584	14.3	8
24	Commercialization-Driven Electrodes Design for Lithium Batteries: Basic Guidance, Opportunities, and Perspectives (Small 43/2021). *Small*, **2021**, 17, 2170227	11	0
23	Superwetting patterned PDMS/PMMA materials by facile one-step electro-spraying for signal expression and liquid transportation. *Chemical Engineering Journal*, **2021**, 431, 133206	14.7	2
22	Advanced Materials with Special Wettability toward Intelligent Oily Wastewater Remediation. *ACS Applied Materials & Interfaces*, **2021**, 13, 67-87	9.5	57
21	Recent Advances in Silicon-Based Electrodes: From Fundamental Research toward Practical Applications. *Advanced Materials*, **2021**, 33, e2004577	24	51
20	Silicon Anodes: Recent Advances in Silicon-Based Electrodes: From Fundamental Research toward Practical Applications (Adv. Mater. 16/2021). *Advanced Materials*, **2021**, 33, 2170124	24	0
19	Interfacial reinforcement structure design towards ultrastable lithium storage in MoS2-based composited electrode. *Chemical Engineering Journal*, **2021**, 416, 129094	14.7	11
18	Commercialization-Driven Electrodes Design for Lithium Batteries: Basic Guidance, Opportunities, and Perspectives. *Small*, **2021**, 17, e2102233	11	7
17	2D Hybrid Halide Perovskites: Structure, Properties, and Applications in Solar Cells. *Small*, **2021**, 17, e2103514	11	15
16	Thermal-Responsive and Fire-Resistant Materials for High-Safety Lithium-Ion Batteries. *Small*, **2021**, 17, e2103679	11	6
15	A transparent superhydrophobic coating with mechanochemical robustness for anti-icing, photocatalysis and self-cleaning. *Chemical Engineering Journal*, **2020**, 399, 125746	14.7	119
14	Mechanically Reinforced Localized Structure Design to Stabilize Solid-Electrolyte Interface of the Composited Electrode of Si Nanoparticles and TiO Nanotubes. *Small*, **2020**, 16, e2002094	11	26

List of Publications

13	Constructing Mechanochemical Durable and Self-Healing Superhydrophobic Surfaces. *ACS Omega*, **2020**, 5, 986-994	3.9	39
12	Design of Polypropylene Electret Melt Blown Nonwovens with Superior Filtration Efficiency Stability through Thermally Stimulated Charging. *Polymers*, **2020**, 12,	4.5	19
11	Silicon-Based Anode Materials: Mechanically Reinforced Localized Structure Design to Stabilize Solid Electrolyte Interface of the Composited Electrode of Si Nanoparticles and TiO2 Nanotubes (Small 30/2020). *Small*, **2020**, 16, 2070169	11	
10	A PDMS-in-water emulsion enables mechanochemically robust superhydrophobic surfaces with self-healing nature. *Nanoscale Horizons*, **2020**, 5, 65-73	10.8	107
9	Recent Progress of Polysaccharide-Based Hydrogel Interfaces for Wound Healing and Tissue Engineering. *Advanced Materials Interfaces*, **2019**, 6, 1900761	4.6	103
8	Fluoroethylene Carbonate Enabling a Robust LiF-rich Solid Electrolyte Interphase to Enhance the Stability of the MoS2 Anode for Lithium-Ion Storage. *Angewandte Chemie*, **2018**, 130, 3718-3722	3.6	22
7	Fluoroethylene Carbonate Enabling a Robust LiF-rich Solid Electrolyte Interphase to Enhance the Stability of the MoS Anode for Lithium-Ion Storage. *Angewandte Chemie - International Edition*, **2018**, 57, 3656-3660	16.4	117
6	Rational design of materials interface at nanoscale towards intelligent oil-water separation. *Nanoscale Horizons*, **2018**, 3, 235-260	10.8	192
5	A review of one-dimensional TiO2 nanostructured materials for environmental and energy applications. *Journal of Materials Chemistry A*, **2016**, 4, 6772-6801	13	655
4	Robust fluorine-free superhydrophobic PDMS rmosil@fabrics for highly effective self-cleaning and efficient oil water separation. *Journal of Materials Chemistry A*, **2016**, 4, 12179-12187	13	336
3	A strong Lewis acid imparts high ionic conductivity and interfacial stability to polymer composite electrolytes towards all-solid-state Li-metal batteries. *Science China Materials*,1	7.1	3
2	Nature-inspired materials and designs for flexible lithium-ion batteries		5
1	Compressive Imaging Encryption with Secret Sharing Metasurfaces. *Advanced Optical Materials*,2200257	8.1	6