

Mingzheng Ge

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A review of one-dimensional TiO ₂ nanostructured materials for environmental and energy applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6772-6801	13	655
29	Robust fluorine-free superhydrophobic PDMS@mosil@fabrics for highly effective self-cleaning and efficient oil-water separation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12179-12187	13	336
28	Rational design of materials interface at nanoscale towards intelligent oil-water separation. <i>Nanoscale Horizons</i> , 2018 , 3, 235-260	10.8	192
27	A transparent superhydrophobic coating with mechanochemical robustness for anti-icing, photocatalysis and self-cleaning. <i>Chemical Engineering Journal</i> , 2020 , 399, 125746	14.7	119
26	Fluoroethylene Carbonate Enabling a Robust LiF-rich Solid Electrolyte Interphase to Enhance the Stability of the MoS Anode for Lithium-Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3656-3660	16.4	117
25	A PDMS-in-water emulsion enables mechanochemically robust superhydrophobic surfaces with self-healing nature. <i>Nanoscale Horizons</i> , 2020 , 5, 65-73	10.8	107
24	Recent Progress of Polysaccharide-Based Hydrogel Interfaces for Wound Healing and Tissue Engineering. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900761	4.6	103
23	Advanced Materials with Special Wettability toward Intelligent Oily Wastewater Remediation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 67-87	9.5	57
22	Recent Advances in Silicon-Based Electrodes: From Fundamental Research toward Practical Applications. <i>Advanced Materials</i> , 2021 , 33, e2004577	24	51
21	Constructing Mechanochemical Durable and Self-Healing Superhydrophobic Surfaces. <i>ACS Omega</i> , 2020 , 5, 986-994	3.9	39
20	Surface Passivation Using Two Dimensional Perovskites Towards Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , e2105635	24	35
19	Mechanically Reinforced Localized Structure Design to Stabilize Solid-Electrolyte Interface of the Compositing Electrode of Si Nanoparticles and TiO Nanotubes. <i>Small</i> , 2020 , 16, e2002094	11	26
18	Fluoroethylene Carbonate Enabling a Robust LiF-rich Solid Electrolyte Interphase to Enhance the Stability of the MoS ₂ Anode for Lithium-Ion Storage. <i>Angewandte Chemie</i> , 2018 , 130, 3718-3722	3.6	22
17	Design of Polypropylene Electret Melt Blown Nonwovens with Superior Filtration Efficiency Stability through Thermally Stimulated Charging. <i>Polymers</i> , 2020 , 12,	4.5	19
16	2D Hybrid Halide Perovskites: Structure, Properties, and Applications in Solar Cells. <i>Small</i> , 2021 , 17, e2103514	13.14	15
15	Interfacial reinforcement structure design towards ultrastable lithium storage in MoS ₂ -based compositing electrode. <i>Chemical Engineering Journal</i> , 2021 , 416, 129094	14.7	11
14	Smart surfaces with reversibly switchable wettability: Concepts, synthesis and applications.. <i>Advances in Colloid and Interface Science</i> , 2021 , 300, 102584	14.3	8

13	Commercialization-Driven Electrodes Design for Lithium Batteries: Basic Guidance, Opportunities, and Perspectives. <i>Small</i> , 2021 , 17, e2102233	11	7
12	Thermal-Responsive and Fire-Resistant Materials for High-Safety Lithium-Ion Batteries. <i>Small</i> , 2021 , 17, e2103679	11	6
11	Compressive Imaging Encryption with Secret Sharing Metasurfaces. <i>Advanced Optical Materials</i> , 22002578.1		6
10	Nature-inspired materials and designs for flexible lithium-ion batteries		5
9	A strong Lewis acid imparts high ionic conductivity and interfacial stability to polymer composite electrolytes towards all-solid-state Li-metal batteries. <i>Science China Materials</i> , 1	7.1	3
8	Superwetting patterned PDMS/PMMA materials by facile one-step electro-spraying for signal expression and liquid transportation. <i>Chemical Engineering Journal</i> , 2021 , 431, 133206	14.7	2
7	In Operando Neutron Scattering Multiple-Scale Studies of Lithium-Ion Batteries.. <i>Small</i> , 2022 , e2107491	11	2
6	Ion regulation of hollow nickel cobalt layered double hydroxide nanocages derived from ZIF-67 for High-Performance supercapacitors. <i>Applied Surface Science</i> , 2022 , 596, 153582	6.7	2
5	Engineering the composition and structure of superaerophobic nanosheet array for efficient hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 433, 133517	14.7	1
4	Rational Design of Electrospun Nanofibers for Gas Purification: Principles, Opportunities, and Challenges. <i>Chemical Engineering Journal</i> , 2022 , 137099	14.7	1
3	Commercialization-Driven Electrodes Design for Lithium Batteries: Basic Guidance, Opportunities, and Perspectives (Small 43/2021). <i>Small</i> , 2021 , 17, 2170227	11	0
2	Silicon Anodes: Recent Advances in Silicon-Based Electrodes: From Fundamental Research toward Practical Applications (Adv. Mater. 16/2021). <i>Advanced Materials</i> , 2021 , 33, 2170124	24	0
1	Silicon-Based Anode Materials: Mechanically Reinforced Localized Structure Design to Stabilize Solid-Electrolyte Interface of the Composited Electrode of Si Nanoparticles and TiO ₂ Nanotubes (Small 30/2020). <i>Small</i> , 2020 , 16, 2070169	11	