

Limin Ruan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	MXene-Reduced Graphene Oxide Aerogel for Aqueous Zinc-Ion Hybrid Supercapacitor with Ultralong Cycle Life. <i>Advanced Electronic Materials</i> , 2019, 5, 1900537.	5.1	259
2	A New Free-Standing Aqueous Zinc-Ion Capacitor Based on MnO ₂ -CNTs Cathode and MXene Anode. <i>Nano-Micro Letters</i> , 2019, 11, 70.	27.0	139
3	A new flexible zinc-ion capacitor based on γ -MnO ₂ @Carbon cloth battery-type cathode and MXene@Cotton cloth capacitor-type anode. <i>Journal of Power Sources</i> , 2020, 446, 227345.	7.8	123
4	An Ultrahigh Energy Density Quasi-Solid-State Zinc Ion Microbattery with Excellent Flexibility and Thermostability. <i>Advanced Energy Materials</i> , 2019, 9, 1901957.	19.5	111
5	Direct Laser Etching Free-Standing MXene-MoS ₂ Film for Highly Flexible Micro-Supercapacitor. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901160.	3.7	51
6	A Novel Aqueous Zinc-Ion Hybrid Supercapacitor Based on TiS ₂ (De)Intercalation Battery-Type Anode. <i>Advanced Electronic Materials</i> , 2020, 6, 2000388.	5.1	46
7	Highly Flexible and Self-Healable Zinc-Ion Hybrid Supercapacitors Based on MWCNTs-ERGO Fibers. <i>Advanced Materials Technologies</i> , 2020, 5, 2000268.	5.8	44
8	A flexible, heat-resistant and self-healable rocking-chair-zinc ion microbattery based on MXene-TiS ₂ (de)intercalation anode. <i>Journal of Power Sources</i> , 2021, 504, 230076.	7.8	33
9	A Self-Powered Flexible Thermoelectric Sensor and Its Application on the Basis of the Hollow PEDOT:PSS Fiber. <i>Polymers</i> , 2020, 12, 553.	4.5	29
10	Compressible Supercapacitor with Residual Stress Effect for Sensitive Elastic-Electrochemical Stress Sensor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38057-38065.	8.0	25
11	A laser etched zinc ion microbattery with excellent flexibility and self-healability. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4713-4721.	4.9	16
12	A flexible in-plane π -n heterojunction nano-generator with phonon-enhanced photothermoelectric effect to harvest solar energy. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14958-14968.	10.3	16
13	Synthesis of NbSe ₂ single-crystalline nanosheet arrays for UV photodetectors. <i>CrystEngComm</i> , 2020, 22, 5710-5715.	2.6	13
14	Flame Synthesis of Spring-Like Nanocarbon and Its Application in Flexible Free-Standing Mattress-Like Supercapacitor Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2823-A2829.	2.9	9
15	A highly flexible and self-healable rechargeable fibrous Zn-MnO ₂ battery. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2907-2915.	4.9	9
16	Highly Transparent and Flexible Zn-Ti ₃ C ₂ T MXene Hybrid Capacitors. <i>Langmuir</i> , 2022, 38, 5968-5976.	3.5	6
17	Detector for rapid detection of trace Cu ²⁺ in paddy water based on dual-wavelength quantum dot fluorescent probe. <i>Paddy and Water Environment</i> , 2018, 16, 595-600.	1.8	0