

# Limin Ruan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4752032/publications.pdf>

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papers

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