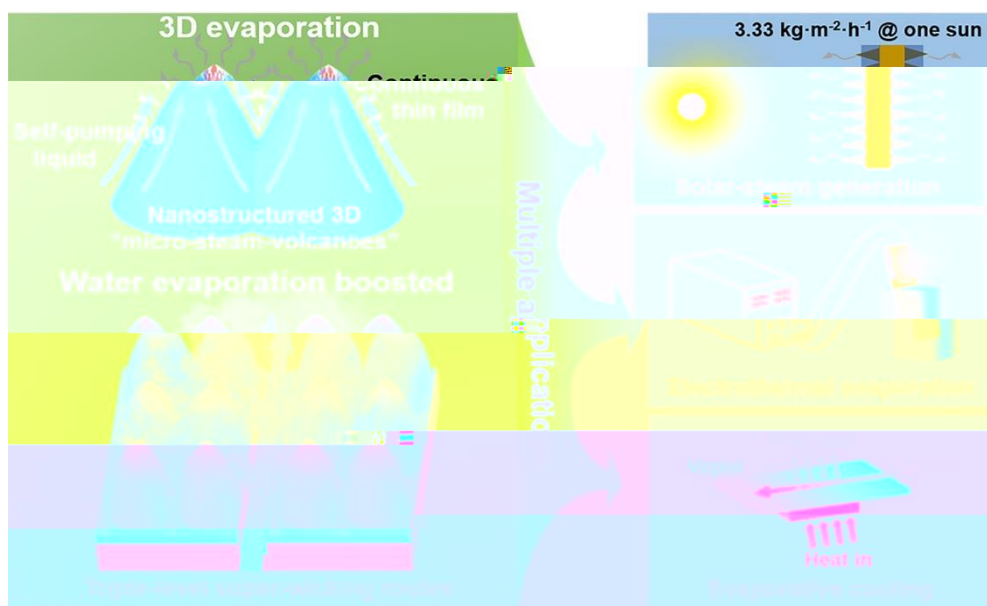






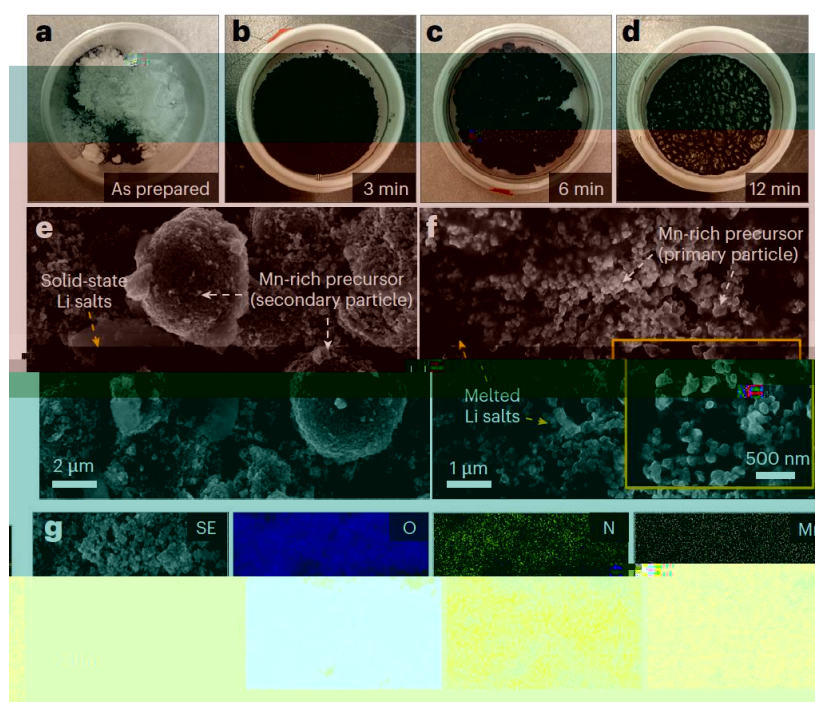


LiNO₃

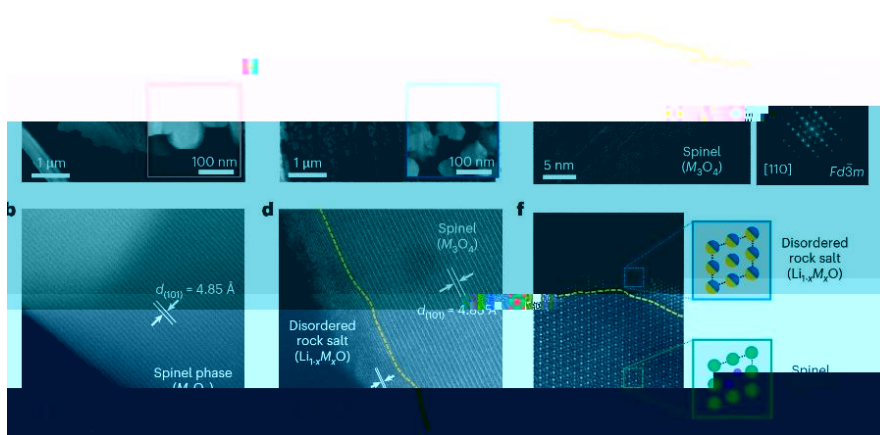
1

2

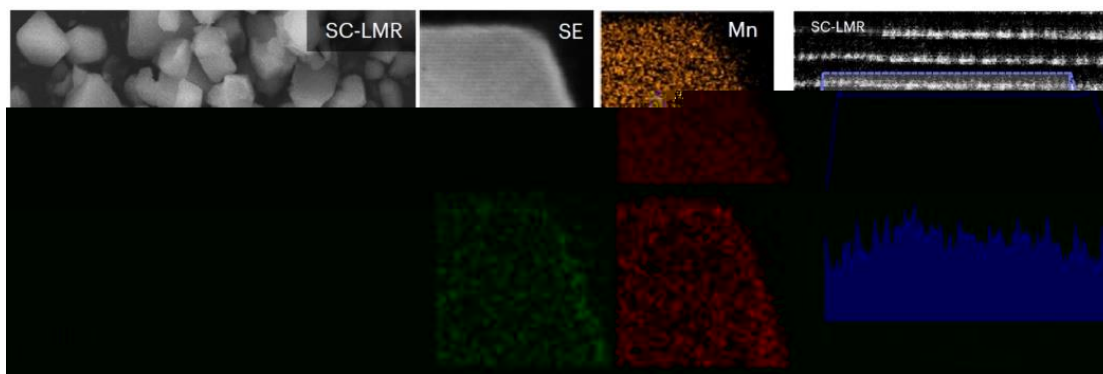
3



1.



2.



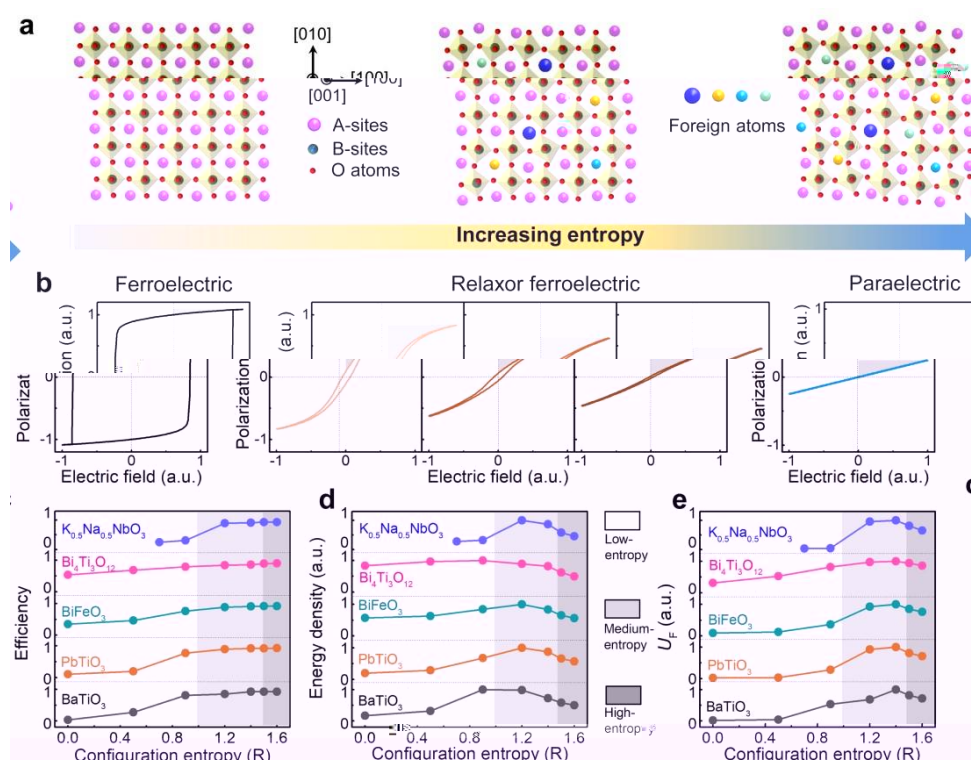
3.

centrifugal deagglomeration for single-crystalline cathode synthesis

2023 5

Moonsu Yoon
Jaephil Cho

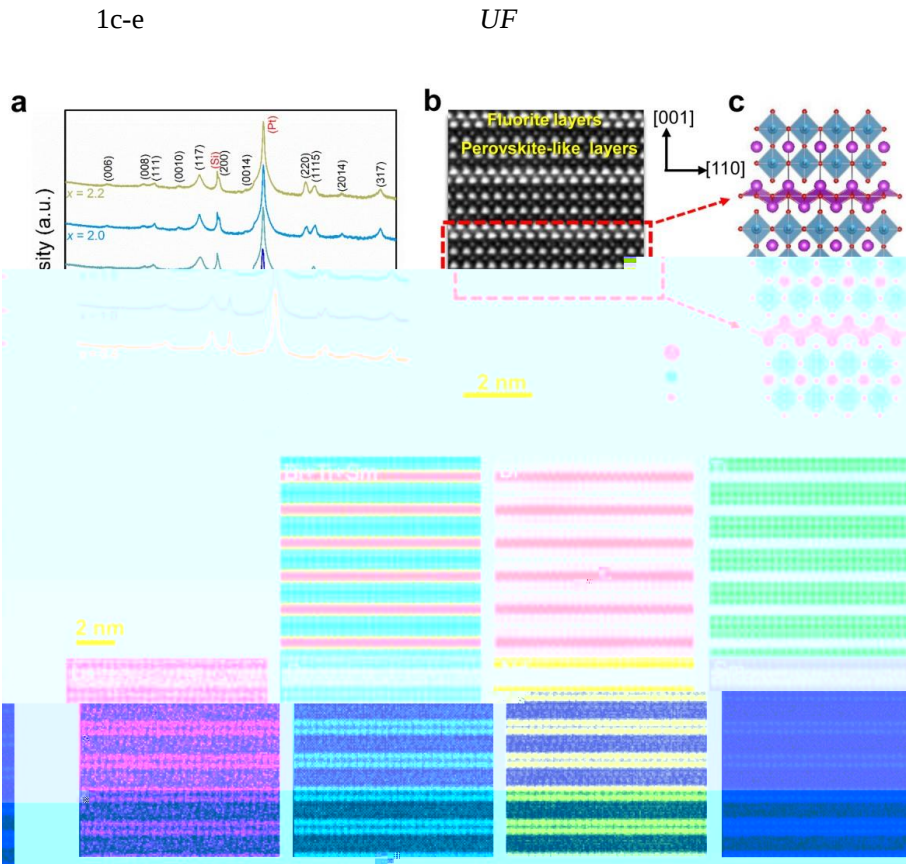
<https://doi.org/10.1038/s41560-023-01233-8>



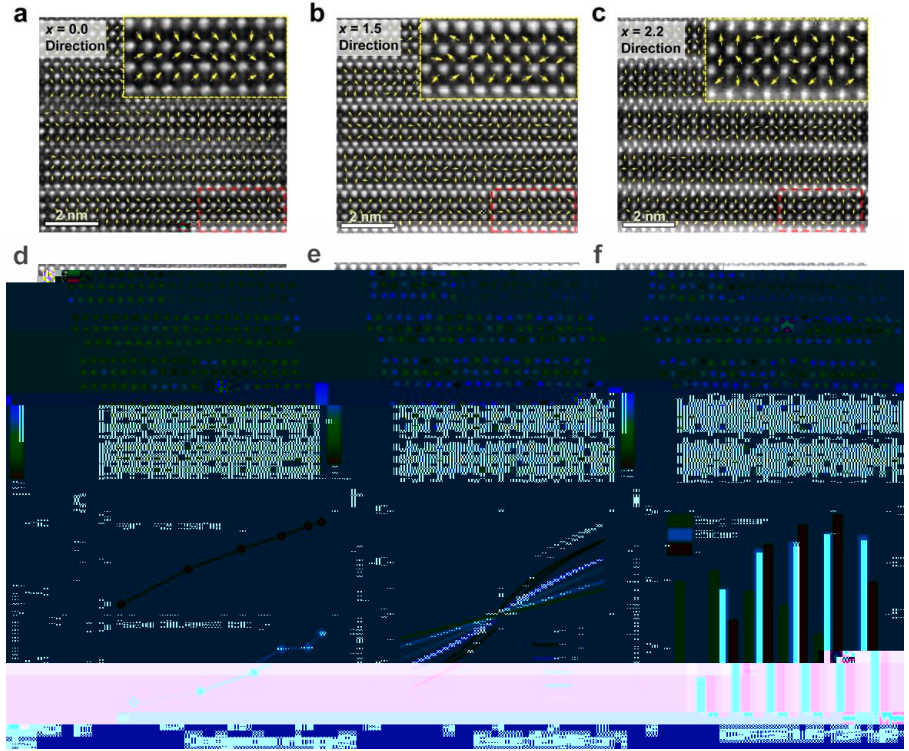
1.

1a

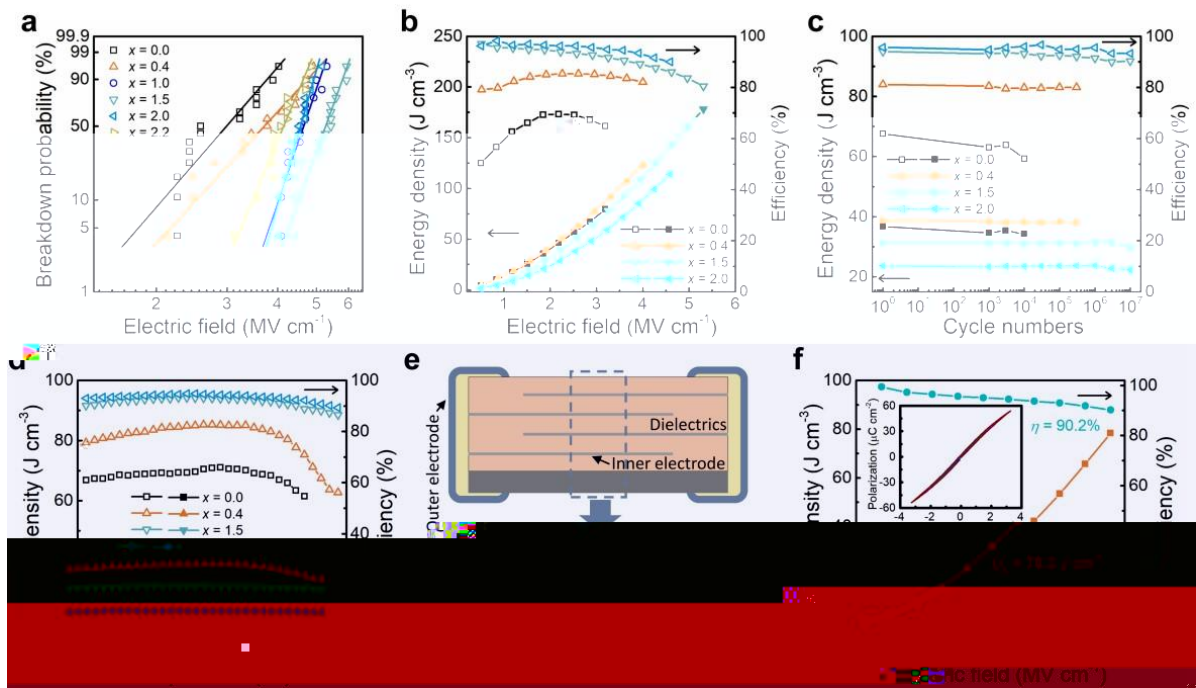
1b



2.



3.



4.

$\text{Bi}_4\text{Ti}_3\text{O}_{12}$

2a-c

La Pr Nd Sm

Bi

B-

A-

3a-c

3d-f

3g-i

-

-

$x=1.5$

178.1 J cm^{-3}

80.5%

4a-d

4e-f

Engineering relaxors by entropy for high energy storage

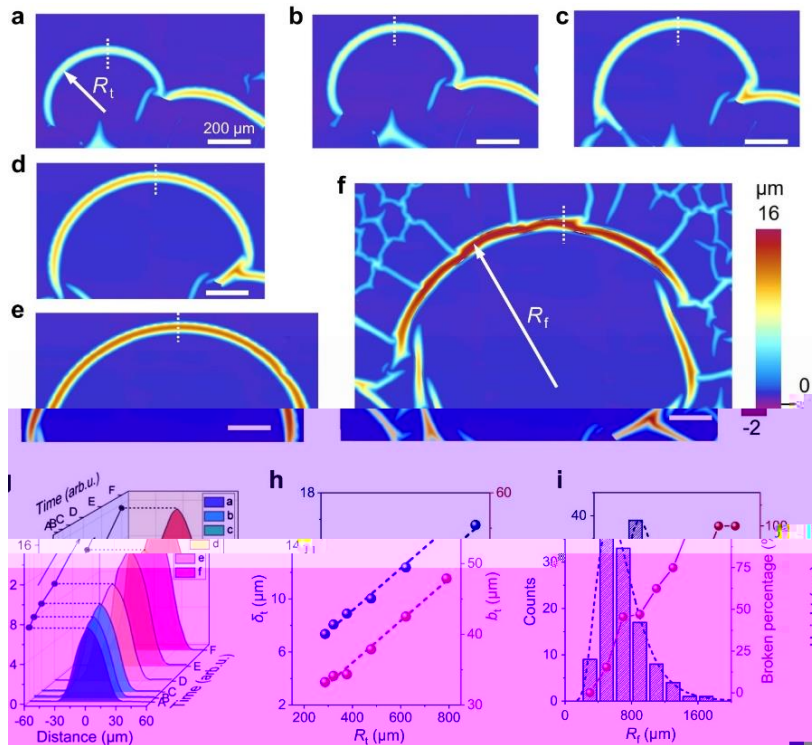
Nature Energy

performance

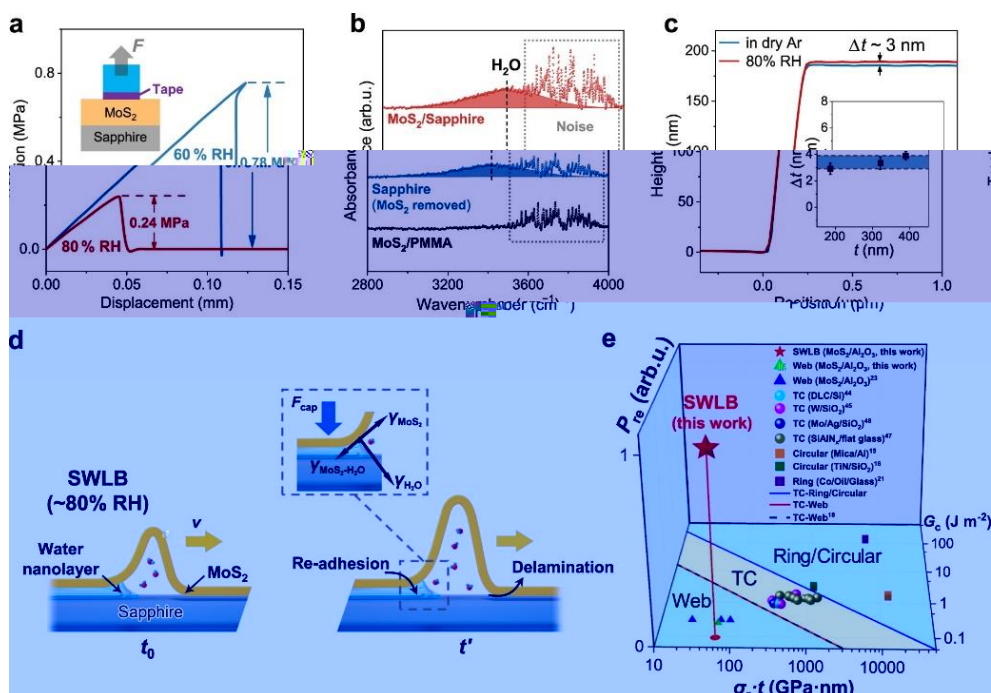
MoS₂

Solitary Wave

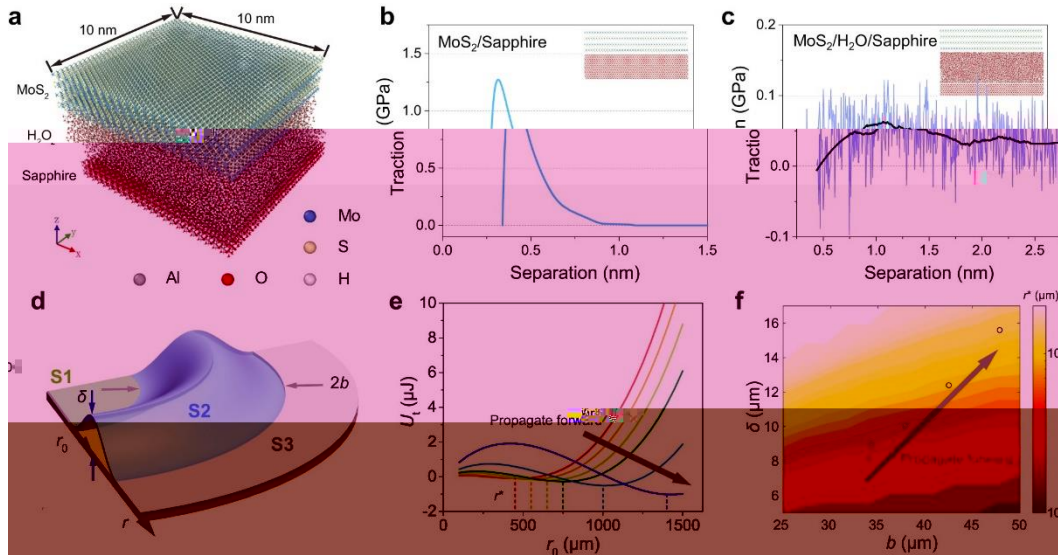
1.SWLB
d SWLB
Re-adhesion
Delamination
(e-f
g SWLB
SWLB
h
a-b
Delamination
SWLB



2.SWLB
t
a-f
Rf
h SWLB
t
bt
Rt
i
Rf



3. SWLB a
b (~80% RH) ATR-FTIR MoS₂/Sapphire
c AFM MoS₂ t
d SWLB SWLB
Re-adhesion e SWLB Gc r
t Pre=1 Pre=0



4. (MD) SWLB a MD b-
c MD MoS₂/Sapphire MoS₂/H₂O/Sapphire d SWLB
S1 S2 S3 e
SWLB f SWLB

MoS₂
wave-like blisters in MoS₂ thin films

2022

Water nanolayer facilitated solitary-
Nature Communications

2021

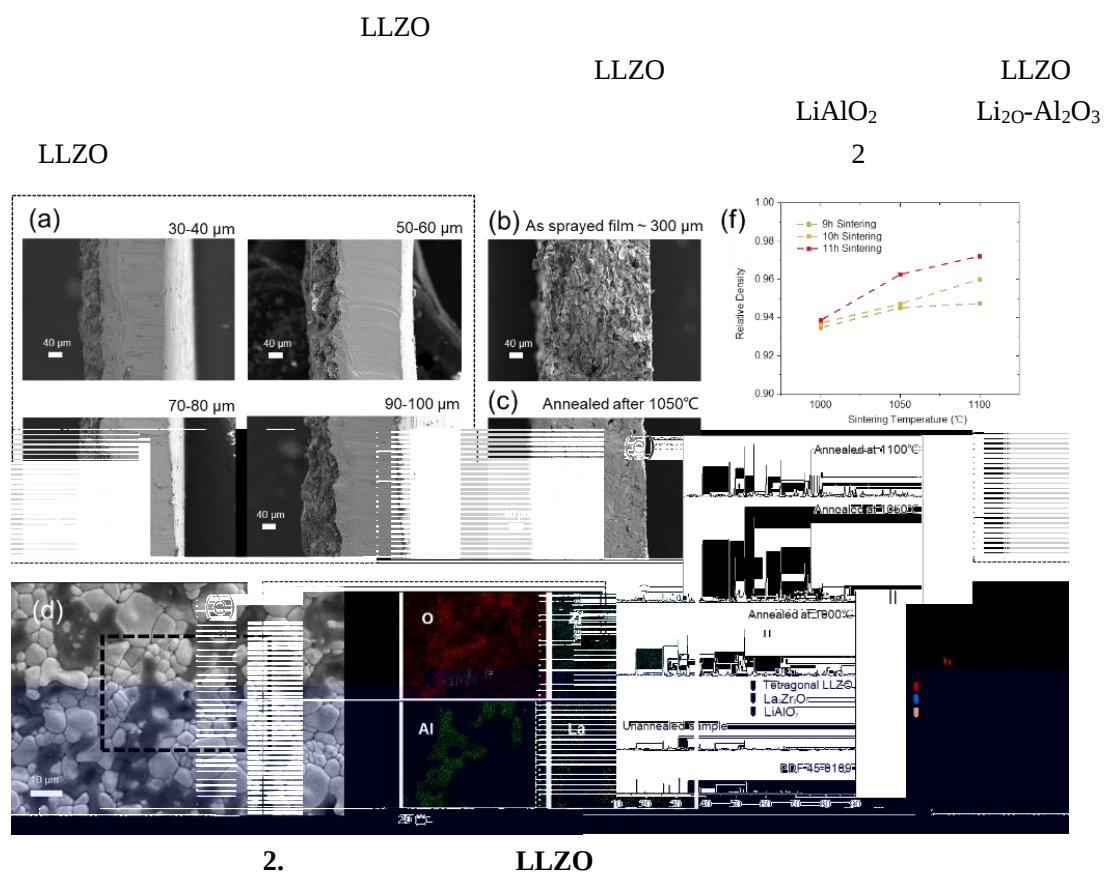
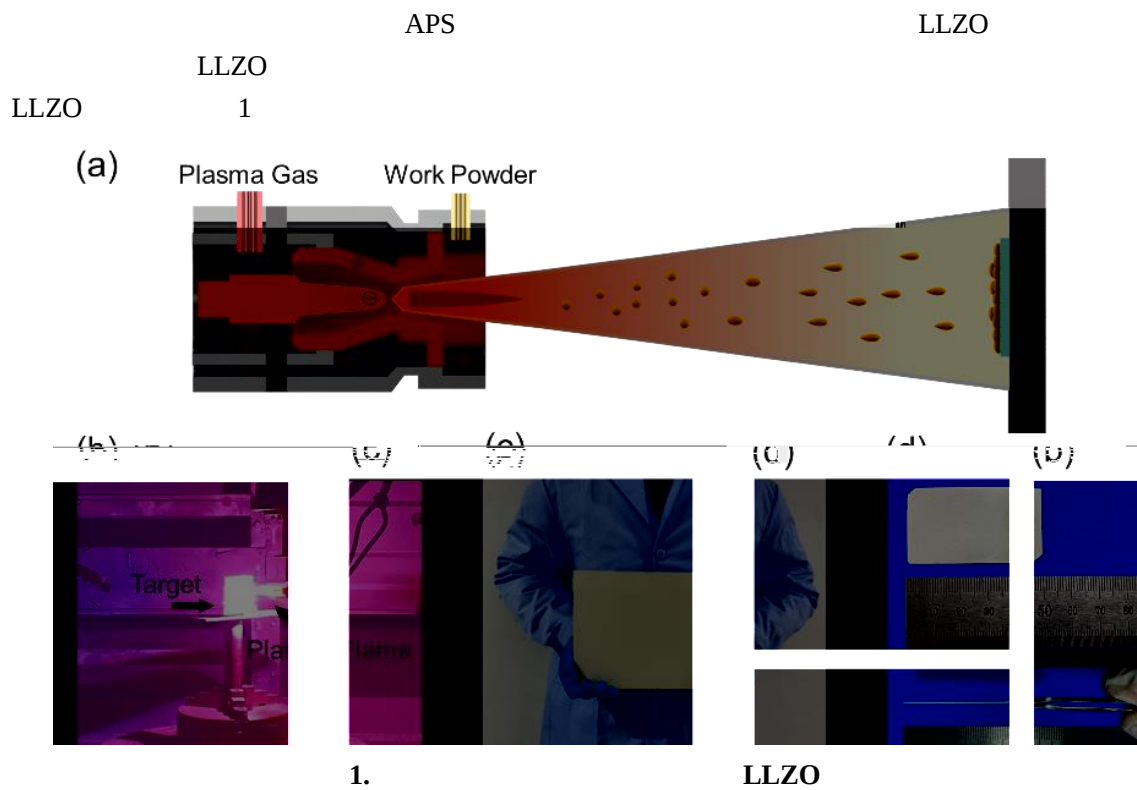
<https://www.nature.com/articles/s41467-023-40020-7>

Li₇La₃Zr₂O₁₂ LLZO
LLZO

ASSBs

APS
LLZO
APS

ASSBs



0.38eV	APS	LLZO	3.82	$10^{-5} \text{ S cm}^{-1}$
	2.80	$10^{-9} \text{ S cm}^{-1}$		
		LLZO	Li/LLZO/Li	Li/LLZO/LiFePO ₄

Rapid

Processing of Uniform, Thin, Robust, and Large-Area Garnet Solid Electrolyte by Atmospheric Plasma Spraying

Advanced Energy Materials

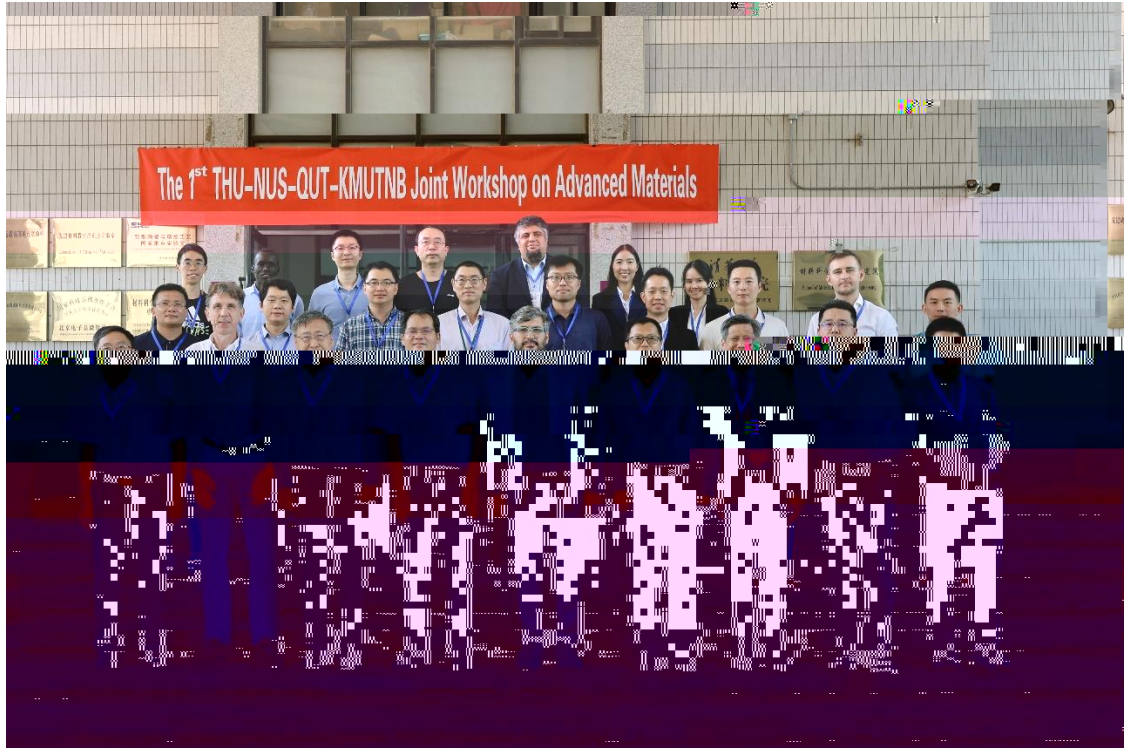
20202019

<https://onlinelibrary.wiley.com/doi/10.1002/aenm.202300809>













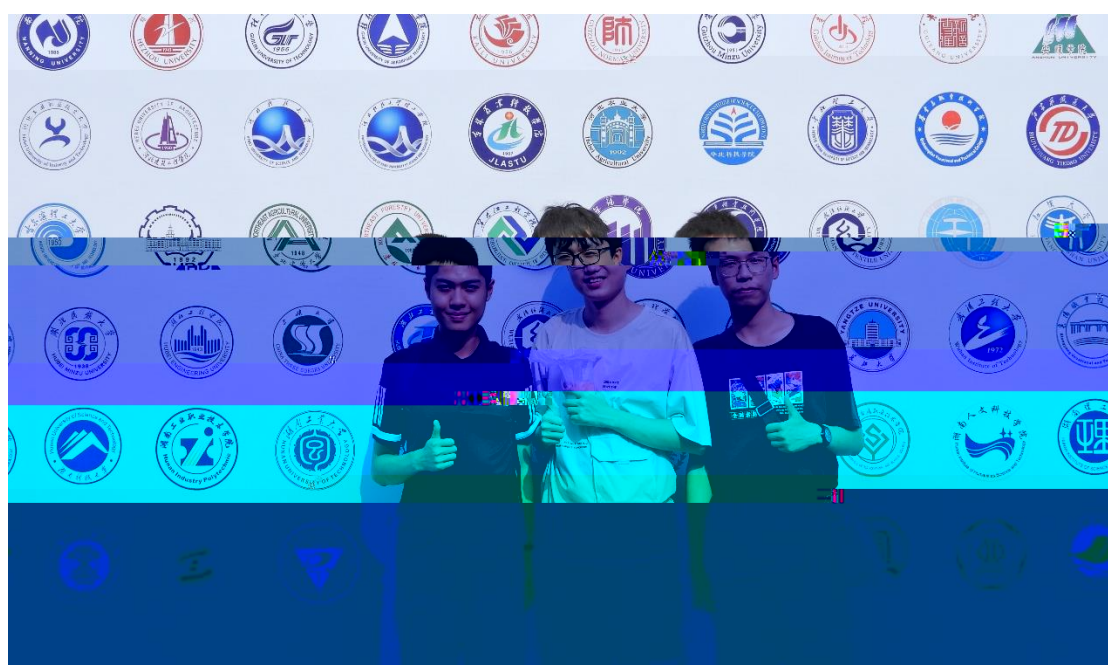












2023



8848

200%



62783921

C201