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3D
2019

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(Energy & Environmental

Science)

(High-Performance Lead-Free Piezoelectrics with Local Structural Heterogeneity)

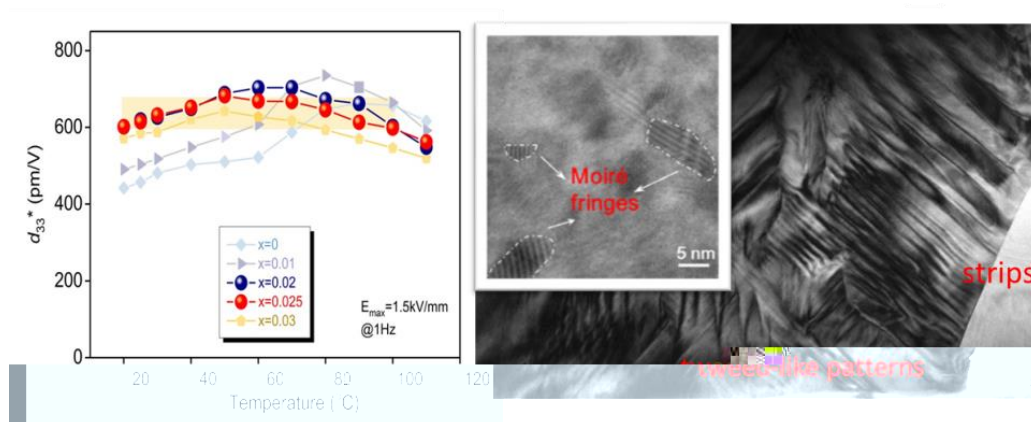
,

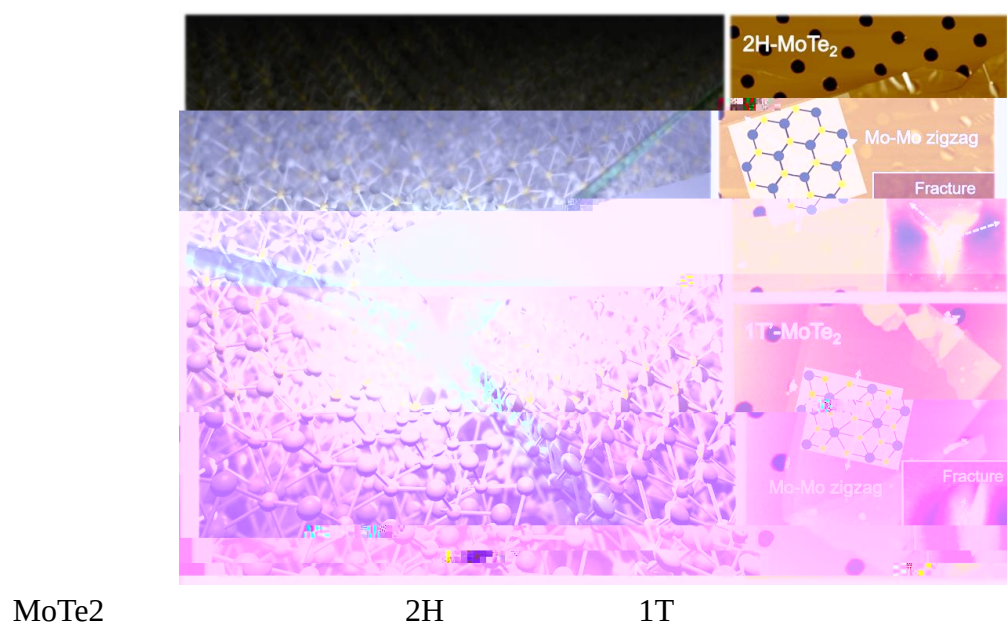
600 pm/V

20-100

640 pm/V

6 %





16

Jinbo Pan

Qimin Yan

<https://pubs.acs.org/doi/full/10.1021/acs.nanolett.8b03833>

2019 1 16

Nano Energy

-

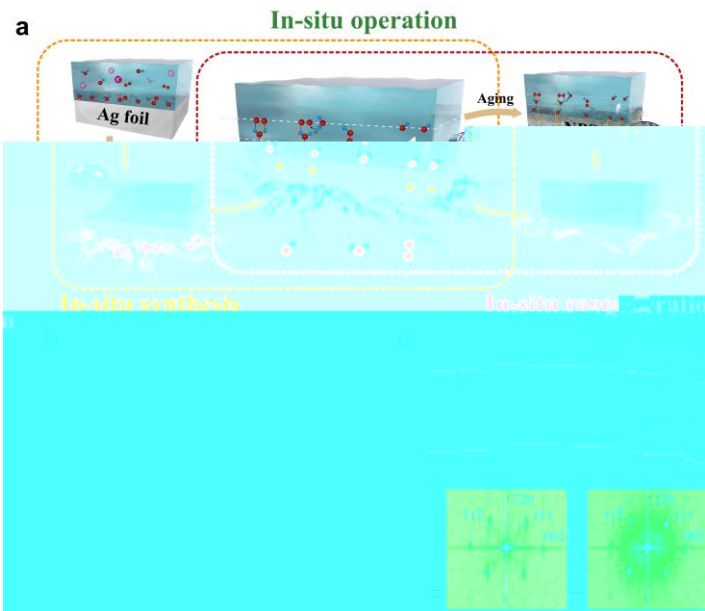
In-situ synthesis, operation and regeneration of nanoporous silver with high performance toward oxygen reduction reaction

-

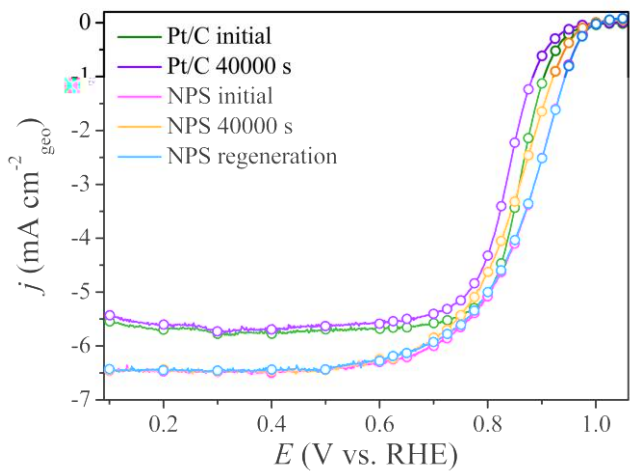
0.1 M KOH

1 -
Pt/C
Ag(110)
OOH -

2



1



2 ORR

2016

<https://www.sciencedirect.com/science/article/pii/S221128551930031X>

3D

2018 10 20 10 28 3D



	39	233	73	
9			3	
6		9	15	1

1

3D

3D



3D

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2018 12 5

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185nm

200nm

Self-healing of Electrical Damage in Polymers Using
Defect-targeted Superparamagnetic Heating

Laminated Nanocomposites for Thermoelectric and Structural Applications

n



2018

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A205

2018 52 2017 2018
52 62 2017 2018
63 64 2017-2018
61 62 71

2004 2006 2014 2015 2016 2018

2018 11 9 11



2018 11 15-17 2018 World Foundry
 Organization (WFO) 2018 CAST IRON & CAST STEEL TECHNOLOGY
 FORUM 2018

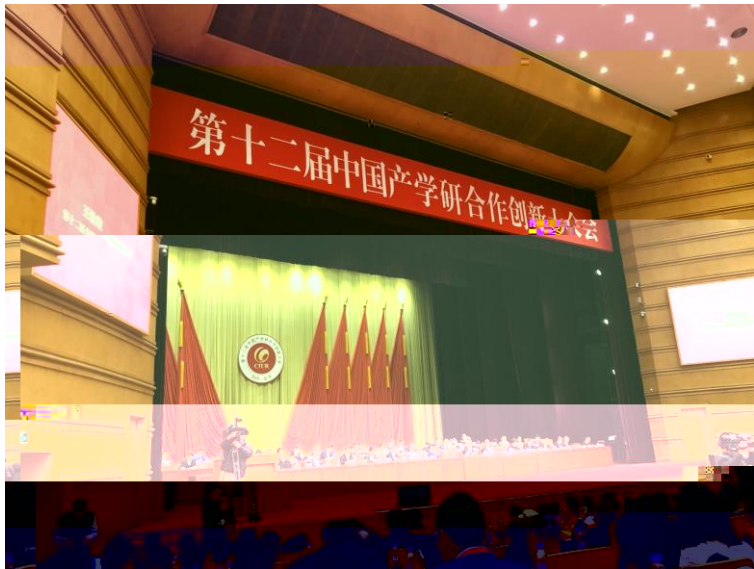
Modeling the thermal
 conductivity of nodular and gray cast iron based on effective medium theory

World Foundry Organization

ferrous metals technical commission
World Foundry Organization, WFO 1923
1978 WFO 2000
WFO



30097-2013 GB/T
2018
2019 1 6
2018

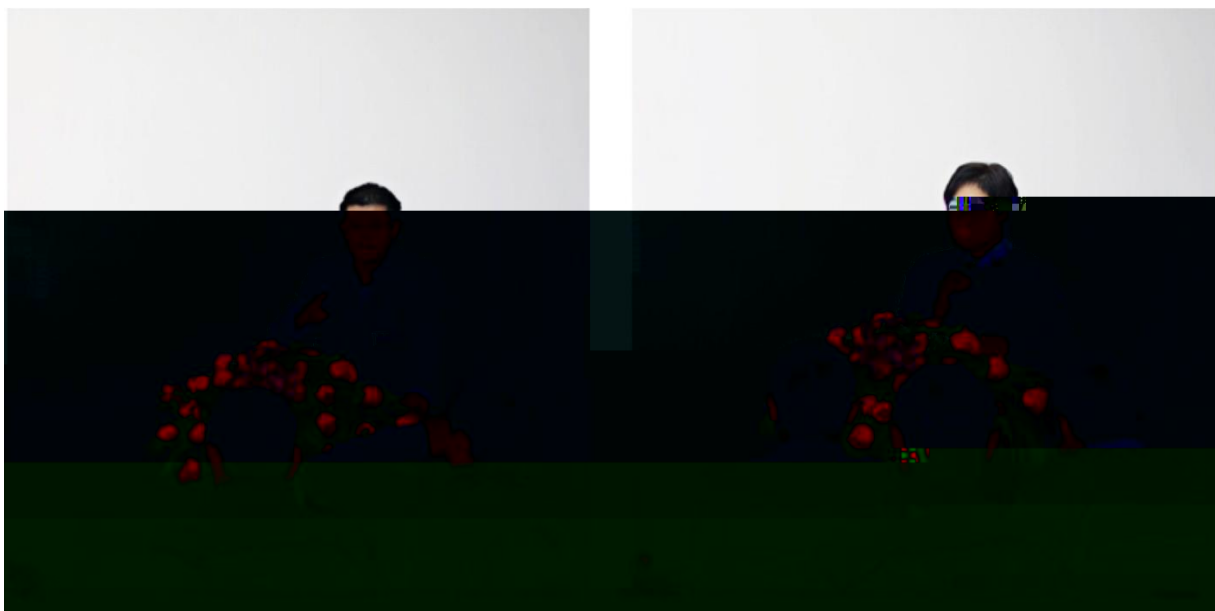


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