

1

1 J-La Ze g, L S , , Y -Ha g C e , Y -X a g Z a g, T g
X e, L -X a S , Z g Ca . T e d a c a d e a e e g a g e e e
f a e e d e e a e a e c a g e a e a , J a a a a
a , 2018

1

20181003778.1

2

201810037767.X

SCI 30

1.

2017JJ1026 2017.1 2019.12

2.

15B002 2015.9 2018.8

3.

2011.1-2013.12

21003014

4.

2013.1-2015.12

13JJ3068

5.

2010FJ3167 2010.1-2011.12

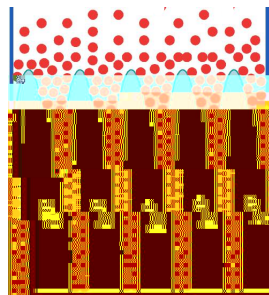
6.

12C0007 2012.9-2014.8

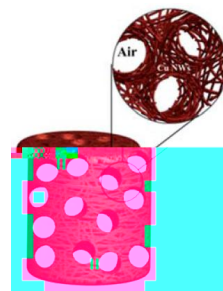


	1-6
(I d T O de, ITO)	7, 8
	9
	10

freezing



Dry
Vacuum



13. a d , , 2017, 62-66.
14. , a d , , 2017, 99-112.
15. H. Z a g a d A. I. C e , *A Ma* , 2007, , 1529-1533.
16. , , a d , , 2013, 362-368.

2017 3

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ACS A . Ma e .
I e . 9 (2017) 25465-25473
AgNO₃

PVP

FeC₃

130 C

50

150

3000

PVP

FeC₃

XRD

/

6 %

3-6 %

PPPGG

\b @ qF

E

/

