

(19)



(12)

(10)

CN 108417806 B

(45)

2021. 03. 23

(21) 201810226733. 5

(22) 2018. 03. 19

(65)

CN 108417806 A

(43) 2018. 08. 17

(73)

453007

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(72)

(74)

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(51) Int. Cl .

H01M4/36(2006. 01)

H01M4/62(2006. 01)

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(54)

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(57)

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A A

A

B

B

12h

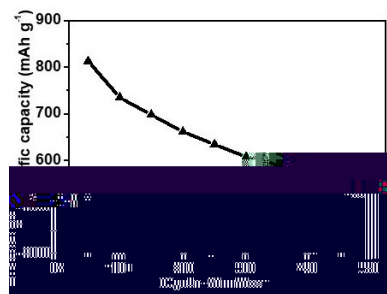
40 60 12h

C C

120 12h

C

/



1. /
 1 1: 1: 3 10min
 A
 2 A A
 1h 300 2h
 10 min¹ 800 2h
 3 B 2mol L⁻¹ 12h
 40 60 12h
 1430 1853m² g⁻¹ 2.67 3.05nm 1.007 1.394cm³
 g⁻¹
 4 2: 3 120
 12h /

/

[0001]

/

[0002]

/

/

[0003]

/

[0004]

/

[0005]

1

1: 1: 3

10min

A

[0006]

2

A

A

2h

10 min¹

800

2h

1h

300

B

[0007]	3	B		2mol L ⁻¹		12h	
				40 60		12h	
[0008]	4				2:3		120
							/
[0009]			3				1430 1853m ² g ⁻¹
	2.67	3.05nm		1.007	1.394cm ³ g ⁻¹		
[0010]							
[0011]	1						
[0012]	2						1430 1853m ² g ⁻¹
	2.67	3.05nm		1.007	1.394cm ³ g ⁻¹		
[0013]	3						
[0014]	4						
[0015]	5		/				68%
		885 986mAh g ⁻¹		1.8	2.8V	0.2C	50
		476 518mAh g ⁻¹					
[0016]	1		1				
[0017]	2		2				
[0018]	3		3				
[0019]	4		1				
[0020]	5		2				
[0021]	6		3				
[0022]	7		1				
[0023]	8		2				
[0024]	9		3				

[0025]

[0026]

[0027] 1 1g 1g 3g 10min

[0028]

2 A1 A1 75mL min⁻¹ 1h 300
 2h 10 min⁻¹ 800 2h B1
 [0029] 3 B1 2mol L⁻¹ 12h C1

[0030]

4 C1 2:3
 150 12h / D1
 [0031] 5 D1 986mAh
 g⁻¹ 1.8 2.8V 0.2C 50 518mAh g⁻¹

[0032]

[0033] 1 2 1g 1g 3g 10min
 A2

[0034]

2 A2 A2 75mL min⁻¹ 1h 300
 2h 10 min⁻¹ 800 2h B2
 [0035] 3 B2 2mol L⁻¹ 12h C2

[0036]

4 C2 2:3
 150 12h / D2
 [0037] 5 D2 925mAh
 g⁻¹ 1.8 2.8V 0.2C 50 517mAh g⁻¹

[0038]

[0039] 1 3 1g 1g 3g 10min
 A3

[0040]

2 A3 A3 75mL min⁻¹ 1h 300
 2h 10 min⁻¹ 800 2h B3
 [0041] 3 B3 2mol L⁻¹ 12h C3

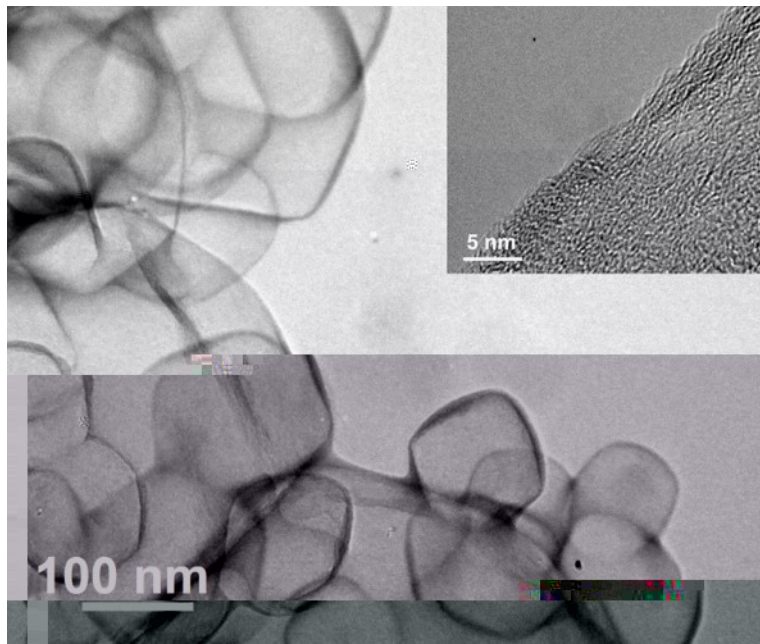
[0042]

4 C3 2:3

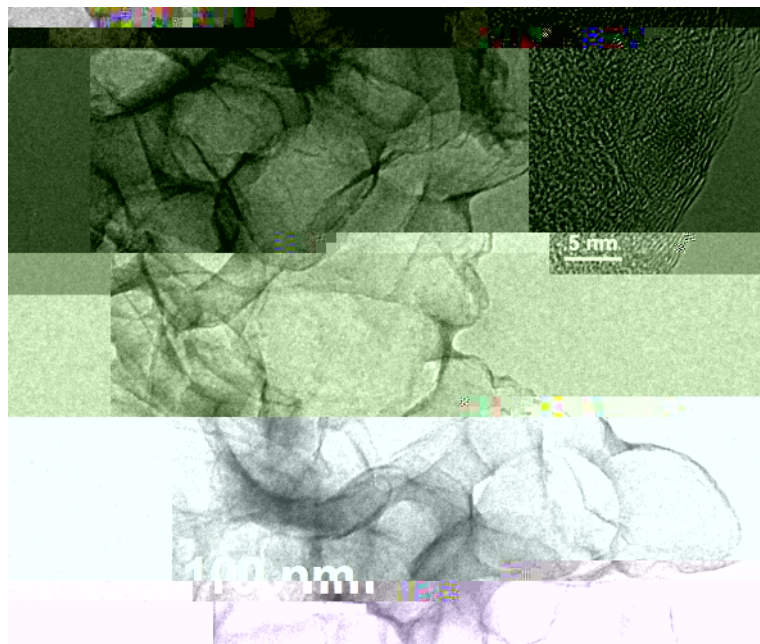
150	12h		/	D3	
[0043]	5		D3		885mAh
g ¹		1.8 2.8V	0.2C	50	476mAh g ¹

[0044]

[0045]

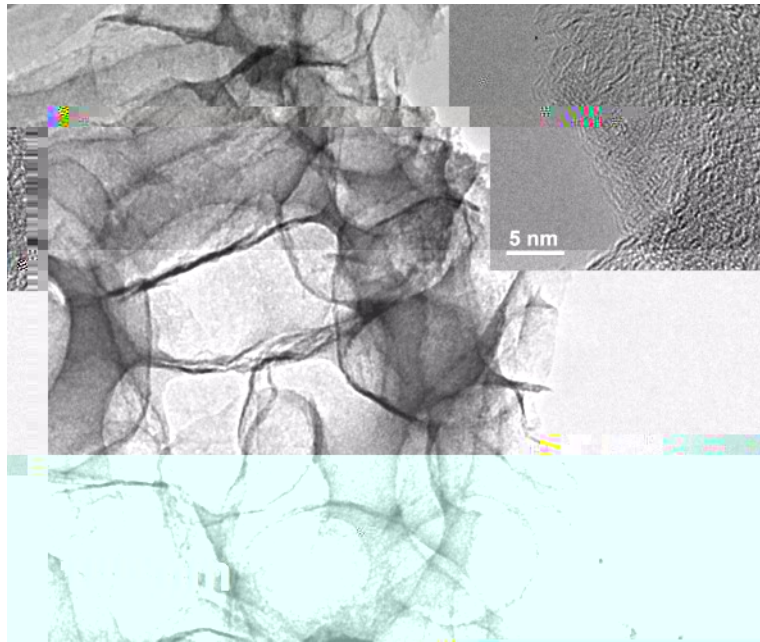


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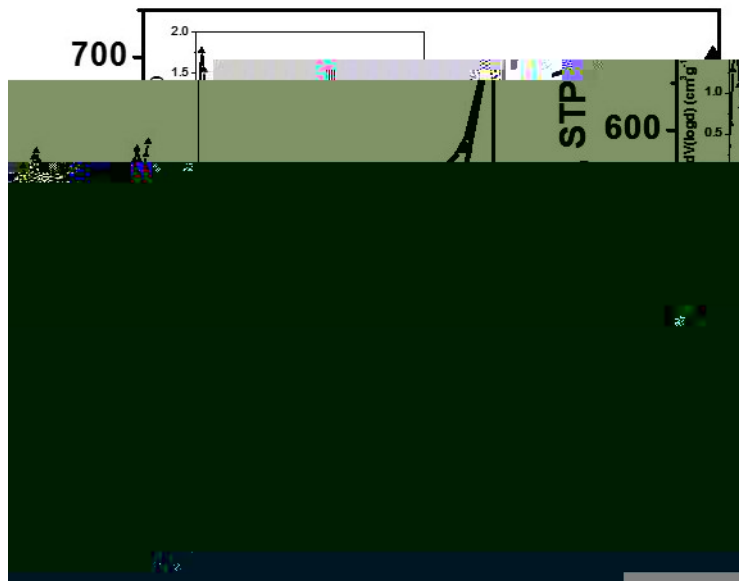


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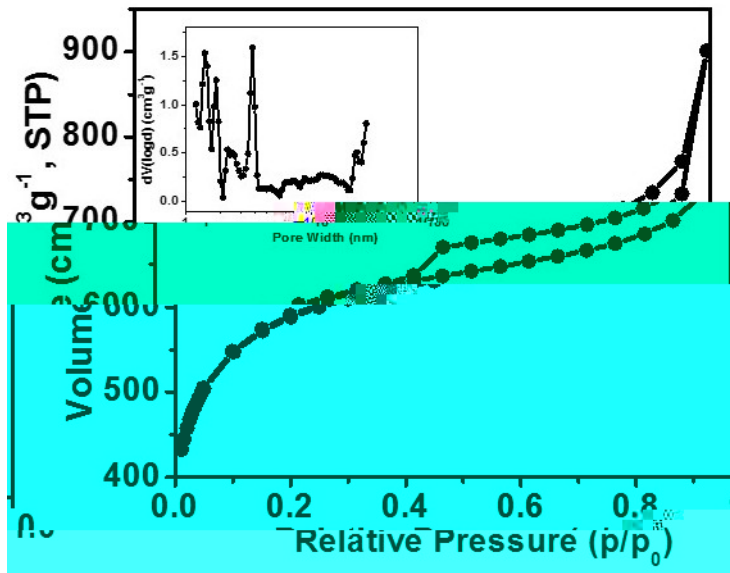


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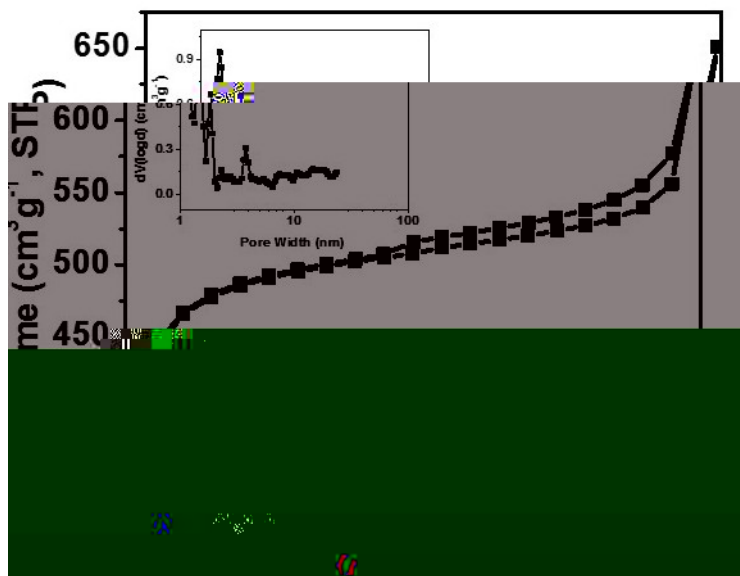


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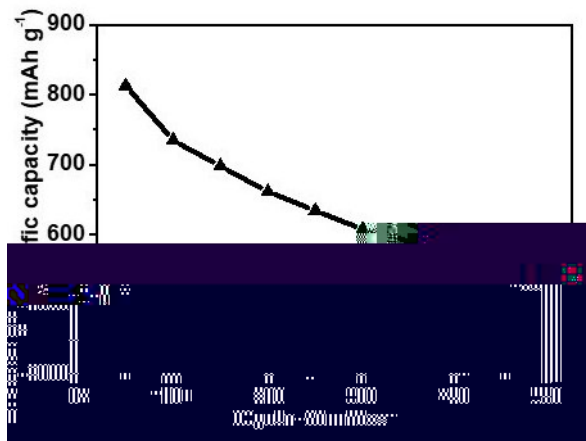
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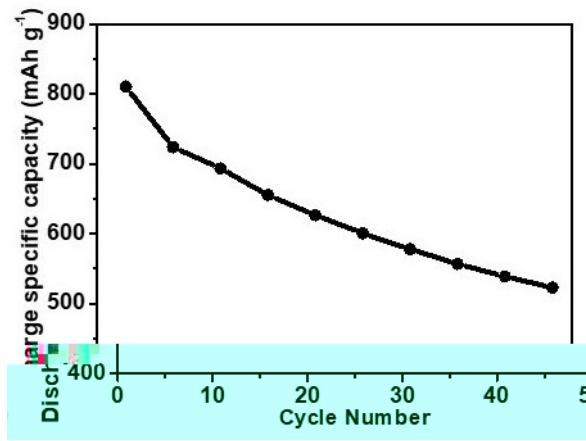
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