



CN 108417806 B
2021. 03. 23

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2018. 03. 19

CN 108417806 A

2018. 08. 17

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4

4

/

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A

A

A

B

B

12h

40 60

12h

C

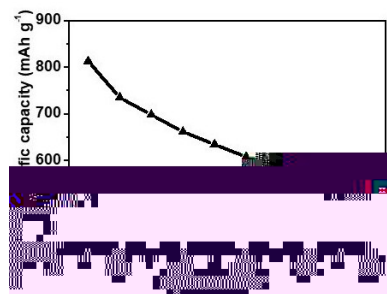
C

120

12h

C

/



CN 108417806 B

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

/

“ ”

/

/

10min 1 A 1: 1: 3

2h 10 min¹ 2 A 800 2h 1h 300 A B

3	B			2mol L ⁻¹		12h	
4				40 60		12h	120
						2: 3	
							/
			3				1430 1853m ² g ⁻¹
		2.67 3.05nm	1.007 1.394cm ³ g ⁻¹				
1							
2							1430 1853m ² g ⁻¹
		2.67 3.05nm	1.007 1.394cm ³ g ⁻¹				
3							
4							
5			/				68%
		885 986mAh g ⁻¹		1.8 2.8V	0.2C		50
		476 518mAh g ⁻¹					
1			1				
2			2				
3			3				
4			1				
5			2				
6			3				
7			1				
8			2				
9			3				

实施例1

步骤	1	1g	1g	3g	10min
步骤	2	A1	A1	A1	1h 300
步骤	3	B1	75mL min ⁻¹ 800	2mol L ⁻¹ 40 60	12h C1
步骤	4		C1	2:3	
步骤	5		D1	D1	986mAh 518mAh g ⁻¹
参数		1.8 2.8V	0.2C	50	
容量	150g ⁻¹				
时间	2h	10 min ⁻¹		2h	B1

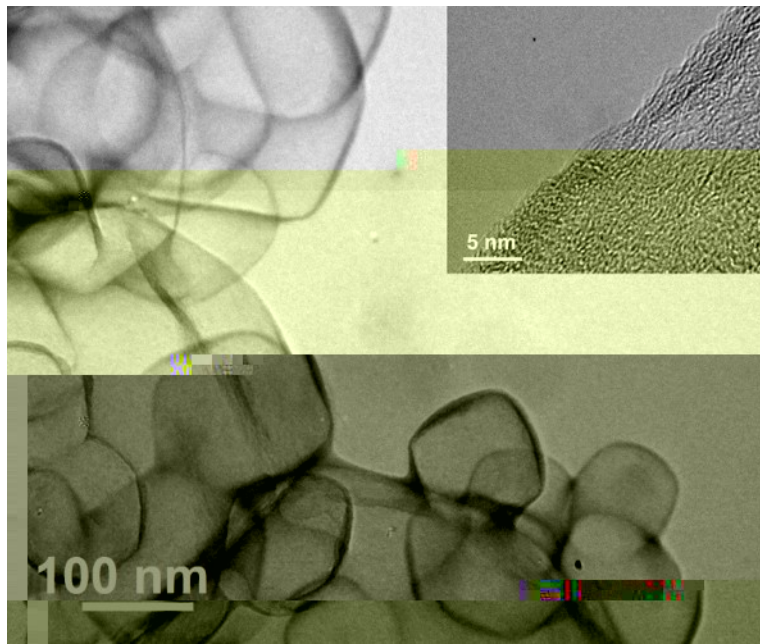
实施例2

步骤	1	1g	1g	3g	10min
步骤	2	A2	A2	A2	1h 300
步骤	3	B2	75mL min ⁻¹ 800	2mol L ⁻¹ 40 60	12h C2
步骤	4		C2	2:3	
步骤	5		D2	D2	925mAh 517mAh g ⁻¹
参数		1.8 2.8V	0.2C	50	
容量	150g ⁻¹				
时间	2h	10 min ⁻¹		2h	B2

实施例3

步骤	1	1g	1g	3g	10min
步骤	2	A3	A3	A3	1h 300
步骤	3	B3	75mL min ⁻¹ 800	2mol L ⁻¹ 40 60	12h C3
步骤	4		C3	2:3	
容量	150g ⁻¹				
时间	2h	10 min ⁻¹		2h	B3

150	12h		/	D3	
	5		D3		885mAh
g^{-1}		1.8 2.8V	0.2C	50	$476mAh g^{-1}$

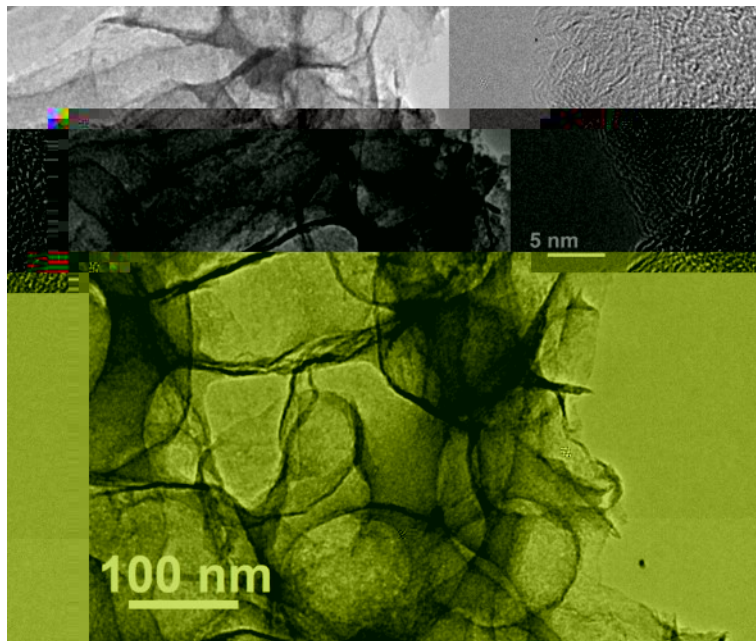


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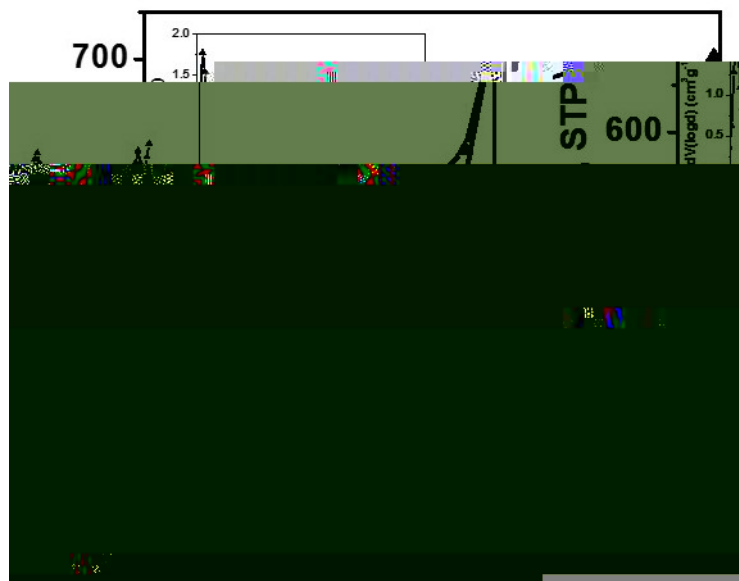


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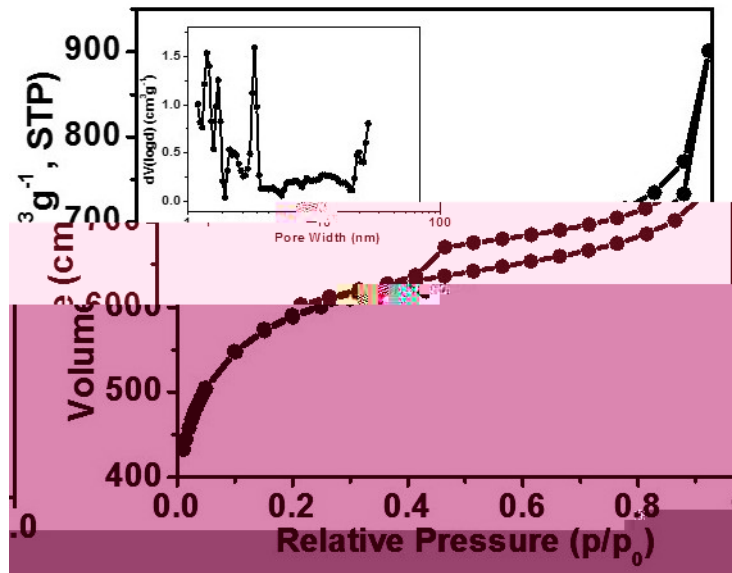


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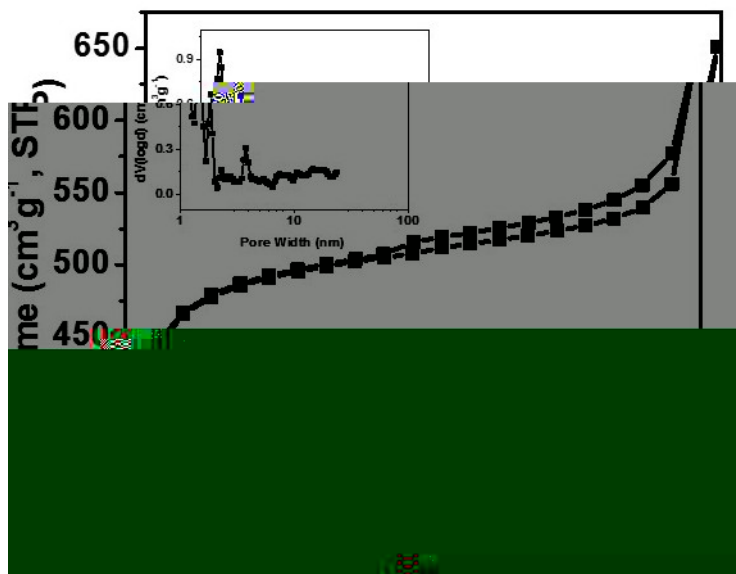


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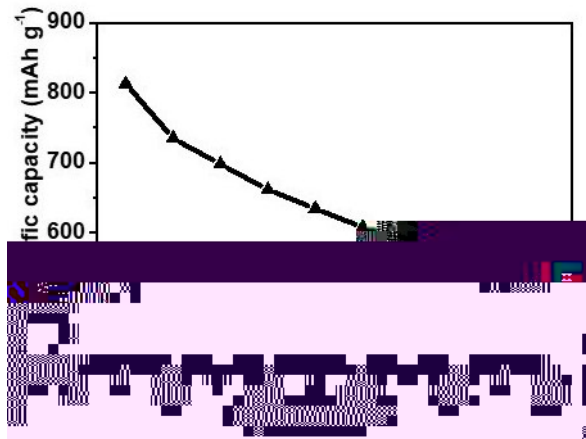
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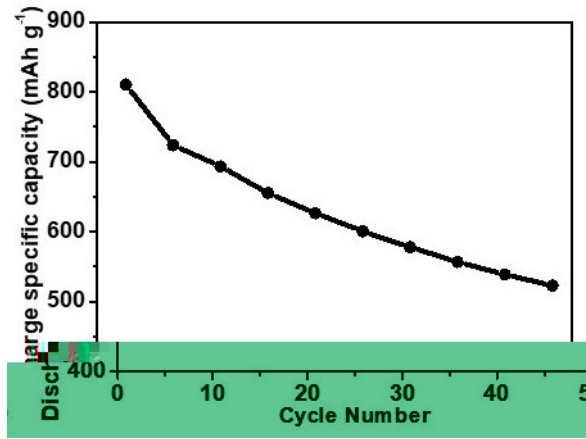
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NH₂G2A @