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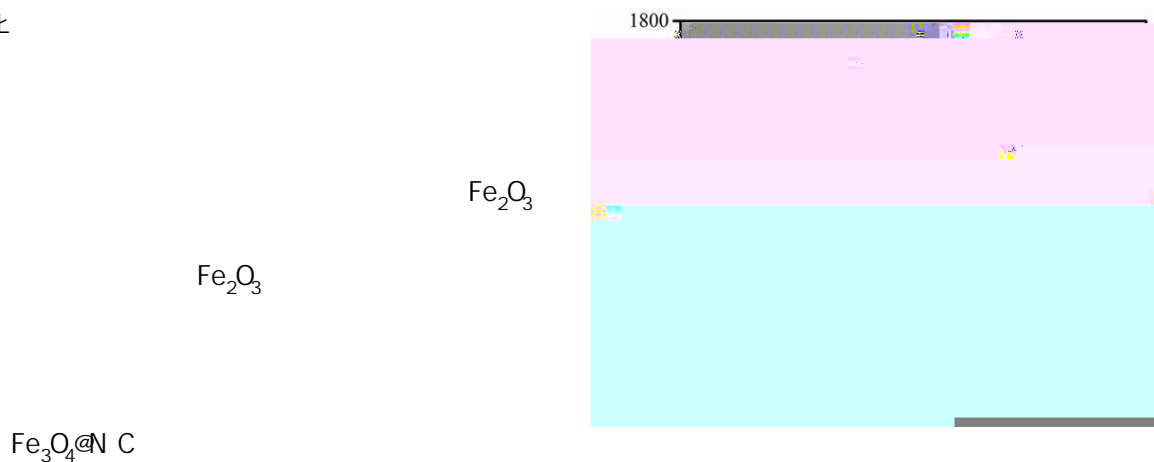
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f1&t	201810602319.X	f) *t
f1&t	2018.06.12	CN 107369825 A, 2017.11.21
f*)t		CN 105990560 A, 2016.10.05
	CN 108807906 A	CN 107715182 A, 2018.02.23
		CN 108039500 A, 2018.05.15
f(' t	2018.11.13	Cheng Lei . Dopamine as the coating agent and carbon precursor for the fabrication of N-doped carbon coated Fe ₃ O ₄ composites as superior lithium ion anodes. Nanoscale .2012, 5 1168-1175
fH' t	453007 46	
fH&t		
fH(t	() 41139	Dawei Su . Synthesis of tuneable porous hematites (α-Fe ₂ O ₃) for gas sensing and lithium storage in lithium ion batteries. Microporous and Mesoporous Materials .2011, 149 36-45 .
f) %t=bn"7 "		Peng Sun . Facile synthesis and gas-sensing properties of monodisperse α-Fe ₂ O ₃ discoid crystals. RSC Advances .2012, 2 9824-9829 .
	<\$%A (# *(2006.01)	
	<\$%A (#) (2010.01)	
	<\$%A (#* (2006.01)	
	<\$%A %#\$) (2010.01)	

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1.

1	0.1 g	-Fe ₂ O ₃	30 mL	0.2	0.6 mol L ⁻¹	5
min				160	12 h	
				3	60	2 h
		-Fe ₂ O ₃				
2	0.3 g		-Fe ₂ O ₃	150 mL	10 mM Tris	
	10 min	0.15 g		6 h		
	3	60				2 h
	500	600				2 4 h
	Fe ₃ O ₄	@N-C				
2.		1				
		1		0.4 mol L ⁻¹		

[0001]

[0002]

[0003] Fe₃O₄926 mAh g⁻¹ Fe₃O₄Fe₃O₄

CN 103227324A
 0.1 A g⁻¹ 20
 454.8 mAh g⁻¹ CN 106450189A
 1C 647 mAh g⁻¹ 100 624
 mAh g⁻¹

[0004]

-Fe₂O₃Fe₃O₄@N-C-Fe₂O₃

[0005]

[0006] 1 0.1 g -Fe₂O₃ 30 mL 0.2 0.6 mol L⁻¹
 5 min 160 12 h
 3 60 2 h -

Fe₂O₃

[0007] 2 0.3 g -Fe₂O₃ 150mL 10 mM Tri s

10 min	0.15 g		6 h	
3	60	2 h		
500	600	2	4 h	
Fe ₃ O ₄ @N-C				
[0008]		1		0.4 mol L ⁻¹
[0009]				-
Fe ₂ O ₃				-Fe ₂ O ₃
				Fe ₃ O ₄ @N-C
[0010]	1	-Fe ₂ O ₃ a b	-Fe ₂ O ₃	-Fe ₂ O ₃ -0.2 c
d		-Fe ₂ O ₃ -0.4 e f	-Fe ₂ O ₃ -0.6 g h	SEM
[0011]	2	-Fe ₂ O ₃ N ₂	-Fe ₂ O ₃ -500 a-c	-Fe ₂ O ₃
		-Fe ₂ O ₃	SEM	Fe ₃ O ₄ @N-C d-f Fe ₃ O ₄ -0.2@N-C g-i
		Fe ₃ O ₄ -0.4@N-C j-l)	Fe ₃ O ₄ -0.6@N-C m o	
[0012]	3	-Fe ₂ O ₃ -0.4	-Fe ₂ O ₃ -500	Fe ₃ O ₄ @N-C Fe ₃ O ₄ -0.2@N-C Fe ₃ O ₄ -0.4@N-C Fe ₃ O ₄ -0.6@N-C XRD
[0013]	4	-Fe ₂ O ₃ a	-Fe ₂ O ₃ -0.4 b	Fe ₃ O ₄ -0.4@N-C c TEM
		Fe ₃ O ₄ -0.4@N-C d	Mapping	e-h
[0014]	5	Fe ₃ O ₄ -0.4@N-C	100 mA g ⁻¹	
[0015]	6	Fe ₃ O ₄ -0.4@N-C		
[0016]				
[0017]	0.1 g	-Fe ₂ O ₃	30 mL	0.2 mol L ⁻¹ 0.4 mol L ⁻¹ 0.6 mol L ⁻¹
	12 h		5 min	160
		-Fe ₂ O ₃		3
[0018]	0.3g	-Fe ₂ O ₃ 0.3 g	-Fe ₂ O ₃ -0.2	-Fe ₂ O ₃ -0.4 -Fe ₂ O ₃ -0.6
	150mL	10 nM Tri s	-Fe ₂ O ₃ -0.2	-Fe ₂ O ₃ -0.4 -Fe ₂ O ₃ -0.6
	6 h		10 min	0.15 g
			3	
		-Fe ₂ O ₃ @PDA	-Fe ₂ O ₃ -0.2@PDA	-Fe ₂ O ₃ -0.4@PDA -Fe ₂ O ₃ -0.6@PDA

