

(19)



(12)

(10)

CN 108855153 B

(45)

2021.03.16

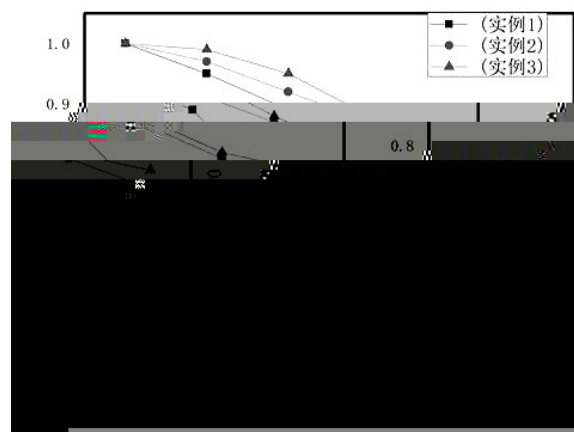
(21)	201810520193.1	(56)	
(22)	2018.05.28		CN 103263906 A, 2013.08.28
(65)			CN 107899602 A, 2018.04.13
	CN 108855153 A		CN 104122304 A, 2014.10.29
(43)	2018.11.23		CN 105764610 A, 2016.07.13
(73)			CN 106868544 A, 2017.06.20
	453007		JP S51118729 A, 1976.10.18
	46		US 4224190 A, 1980.09.23
(72)			EP 3141526 A1, 2017.03.15
(74)			US 3818062 A, 1974.06.18
			"
			"
	() 41139		.2017,(02
) ,
(51) Int. Cl.			Xi aobo Chen et al .: " I ncreasi ng Sol ar
	B01J 27/135(2006.01)		Absorpti on for Photocatal ysi s wíth Bl ack
	C02F 1/30(2006.01)		Hydrogenated Ti tani um Dì oxi de
	C02F 101/30(2006.01)		Nanocrystal s" . Sci ence .2011, 331

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(54)

(57)

10mL
2.2554g
70 95



B

[0001]

[0002]

3.63eV

[0003]

[0004]

70 95

2.2554g

10ml

B

[0005]

12000r/min

8 10min

[0006]

80 100

4 5h

[0007]

[0008]

1

1

XRD

[0009]

2

1

SEM

[0010]

3

1

[0011]

4

300W

400nm

1 3

B

[0012]

5

300W

1

B

[0013]

6

300W

1

B

[0014]

[0015]

1

[0016]

2.2554g

10mL

85

400r/min

80

5h

[0017]

1

XRD

[0018]

2

[0019]

3

425nm

2.92eV 425 500nm

[0020]

4

300W

400nm

B

50%

[0021]

5 6

300W

B

75min

B

[0022]

2

[0023]

2.2554g

10mL

70

400r/min

80

4h

300W

B

25%

[0024]

3

[0025]

2.2554g

10mL

95

400r/min

80

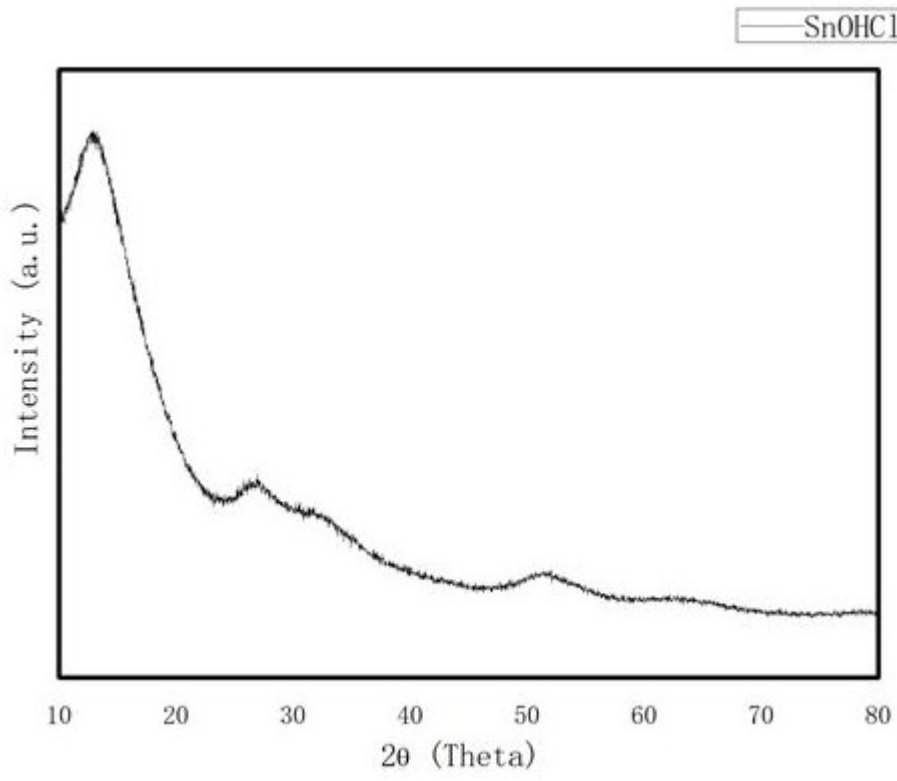
4.5h

300W

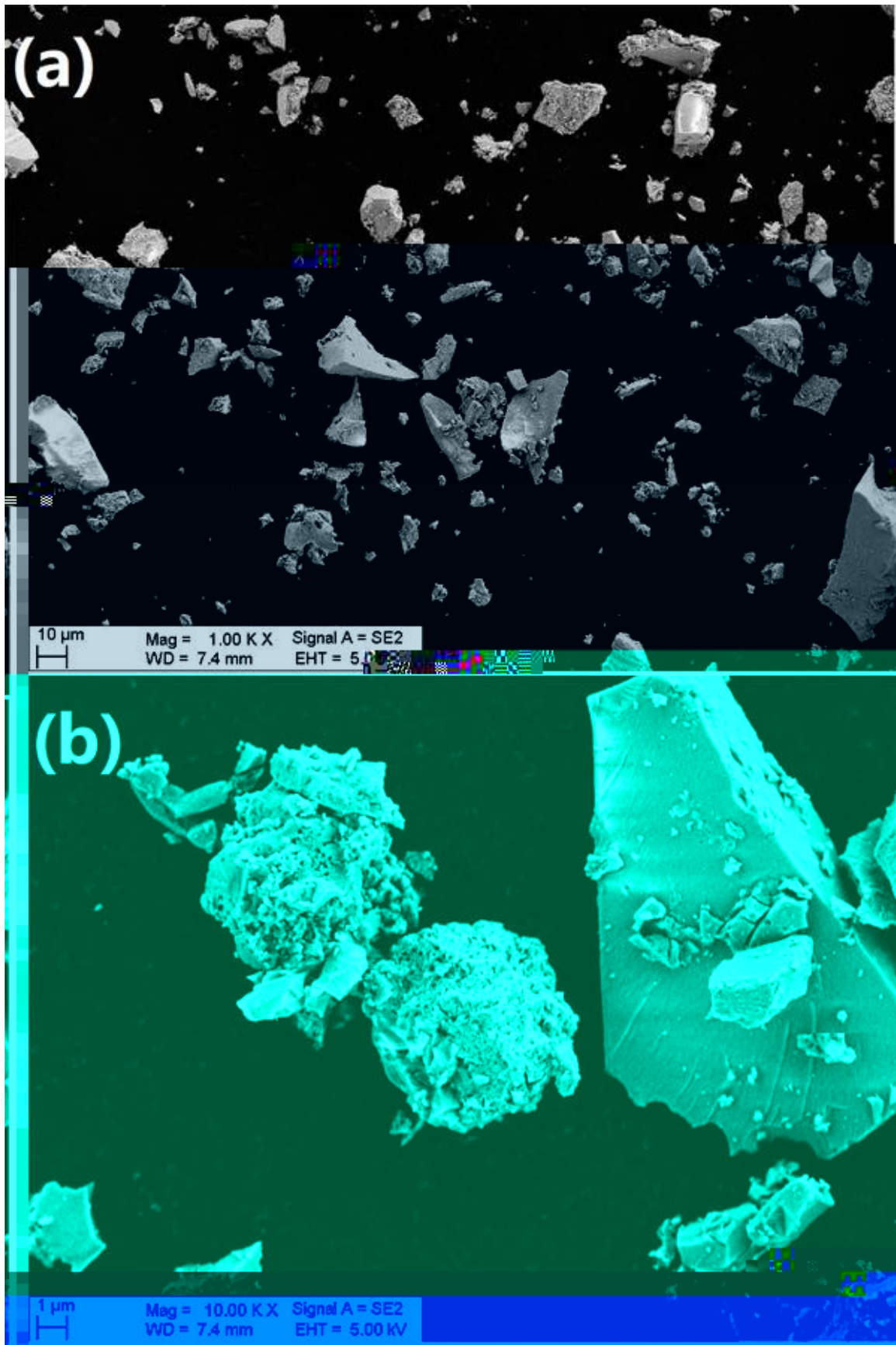
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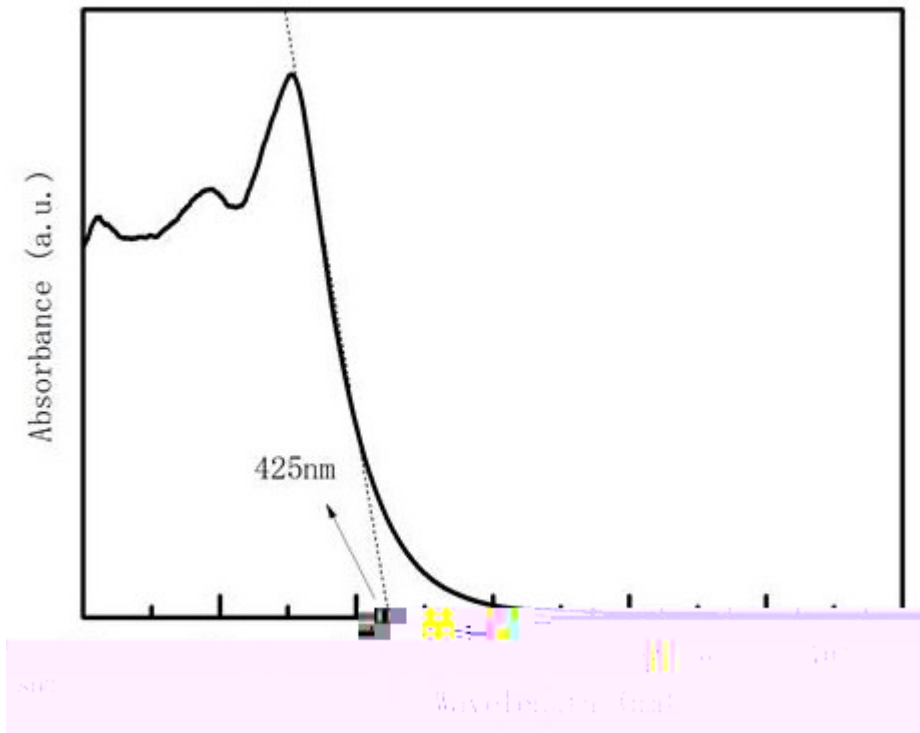
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[0026]

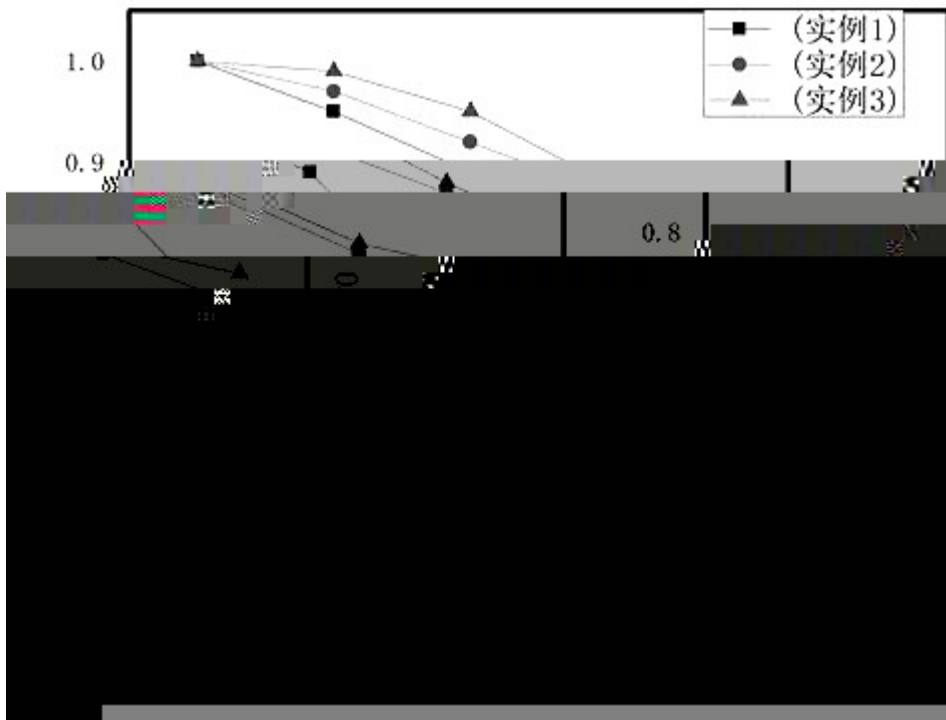


1



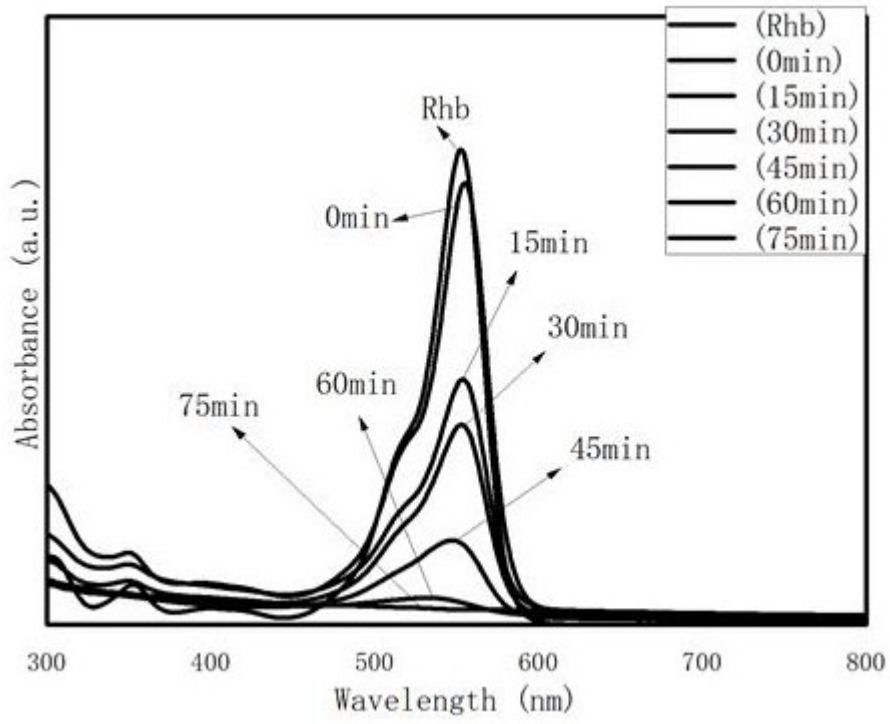


3

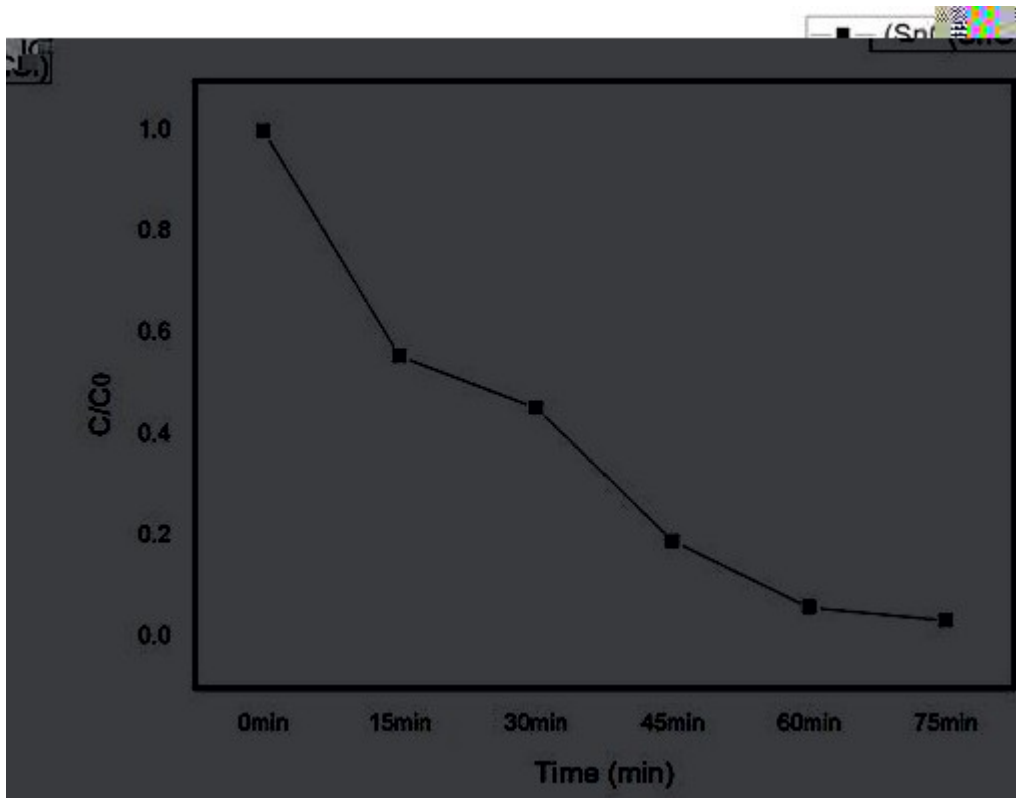


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7



5



6

8