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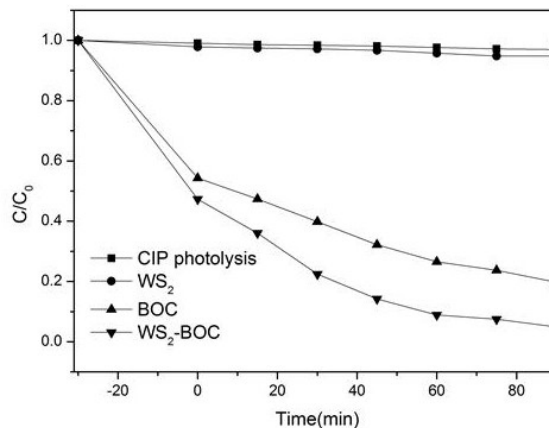
代 人

(51) Int.Cl.
B01J 27/232(2006.01)

% ...)

(54) 发 名
 $WS_2/Bi_2O_2CO_3$

(57)
 $WS_2/Bi_2O_2CO_3$
0.105mmol
 WS_2 1mol/L HNO_3
A 4mmol $Bi(NO_3)_3 \cdot 5H_2O$
B
C pH 9
180 1h
60 12h $WS_2/$



$Bi_2O_2CO_3$
 $WS_2/Bi_2O_2CO_3$

1. $\text{VSe}_2/\text{Bi}_2\text{O}_2\text{CO}_3$
 S1 0.105mmol VSe_2 1mol /L HNO_3
 A
 S2 4mmol $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$ A B
 S3 B C C pH
 9 180 1h
 60 12h $\text{VSe}_2/\text{Bi}_2\text{O}_2\text{CO}_3$
2. 1 $\text{VSe}_2/\text{Bi}_2\text{O}_2\text{CO}_3$

— WS₂/Bi₂O₂CO₃ 光催化 合 及其应

域

[0001]

WS₂/Bi₂O₂CO₃

[0002]

Bi₂O₂CO₃

Bi₂O₂CO₃

3.1 3.5eV

Bi₂O₂CO₃

Bi₂O₂CO₃

[0003]

[0004]

WS₂

(1.8eV)

[0005]

Bi₂O₂CO₃

WS₂/Bi₂O₂CO₃

Cl P

WS₂/Bi₂O₂CO₃

发 内容

[0006]

WS₂/Bi₂O₂CO₃

WS₂/Bi₂O₂CO₃

[0007]

WS₂/Bi₂O₂CO₃

[0008]

S1 0.105mmol WS₂

1mol /L HNO₃

A

[0009]	S2	4mmol	Bi (NO ₃) ₃ · 5H ₂ O	A	B
[0010]	S3		B	C	C pH
	9		180	1h	
				60	12h
					VS ₂ /Bi ₂ O ₂ CO ₃
[0011]			VS ₂ /Bi ₂ O ₂ CO ₃		
[0012]			VS ₂ /Bi ₂ O ₂ CO ₃		

图

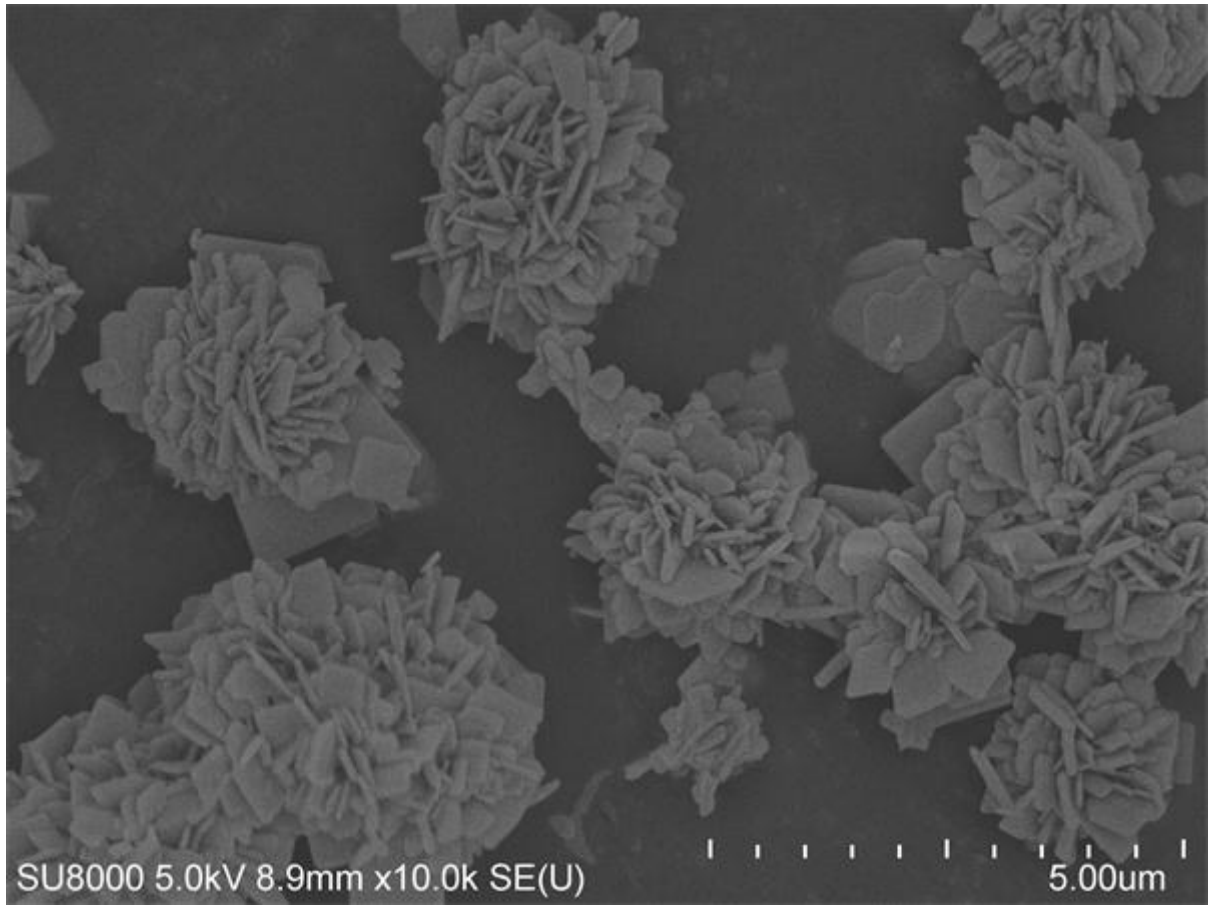
[0013]	1	1	VS ₂ /Bi ₂ O ₂ CO ₃	FESEM		
[0014]	2	Bi ₂ O ₂ CO ₃	VS ₂	1	VS ₂ /Bi ₂ O ₂ CO ₃	XRD
[0015]	3	Bi ₂ O ₂ CO ₃	VS ₂	1	VS ₂ /Bi ₂ O ₂ CO ₃	UV Vis
						DRS
[0016]	4	Bi ₂ O ₂ CO ₃	1	VS ₂ /Bi ₂ O ₂ CO ₃		PL
[0017]	5	1	VS ₂ /Bi ₂ O ₂ CO ₃	HRTEM		
[0018]	6	1	VS ₂ /Bi ₂ O ₂ CO ₃			
[0019]	7					

具体实

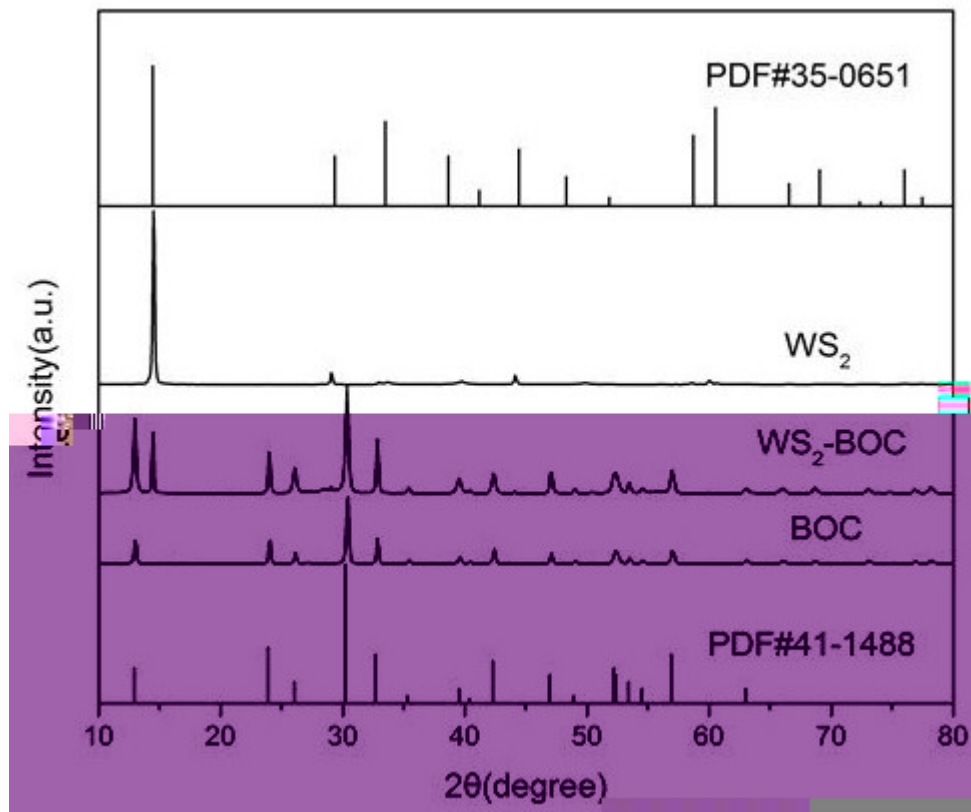
[0020]

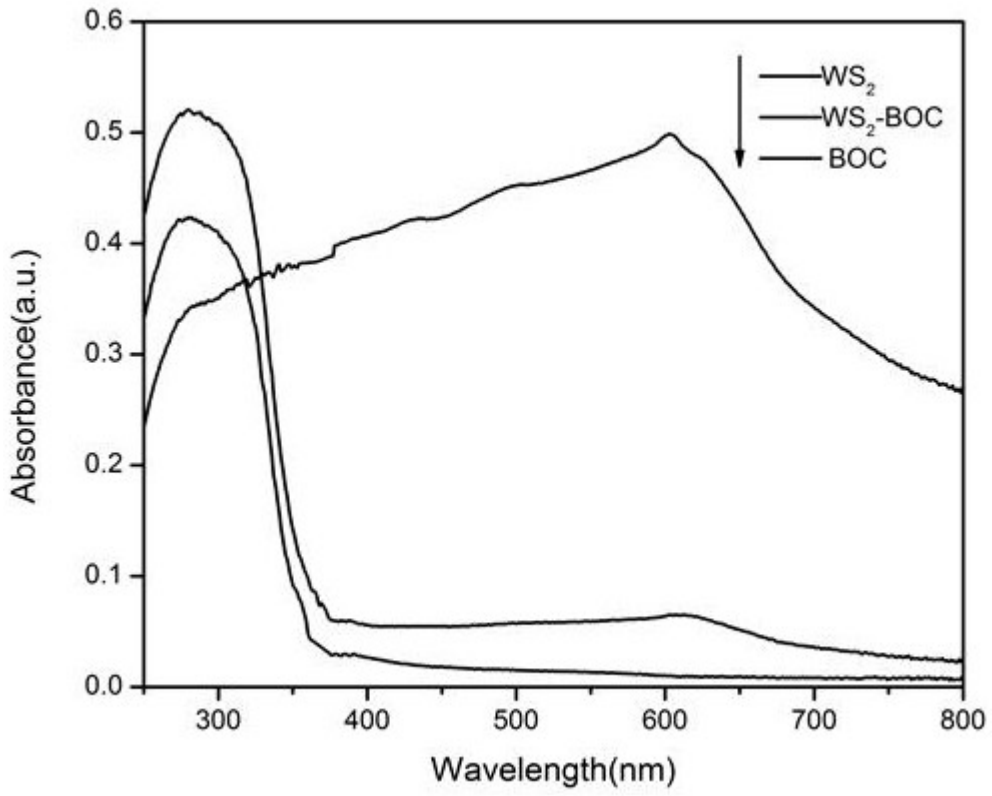
[0021]		1				
[0022]	S1	0.105mmol	VS ₂	1mol /L	HNO ₃	
	A					
[0023]	S2	4mmol	Bi (NO ₃) ₃ · 5H ₂ O	A	B	
[0024]	S3		B	C	C pH	
	9		180	1h		
				60	12h	VS ₂ /Bi ₂ O ₂ CO ₃
			VS ₂ BOC			
[0025]	1	1	VS ₂ /Bi ₂ O ₂ CO ₃	FESEM		
		50 nm		1 μm		
[0026]	2	Bi ₂ O ₂ CO ₃	VS ₂	1	VS ₂ /Bi ₂ O ₂ CO ₃	XRD
		Bi ₂ O ₂ CO ₃	VS ₂		Bi ₂ O ₂ CO ₃	JCPDS NO. 41

1488	$V\text{S}_2$	JCPDS no. 35 0651	$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$	
$\text{Bi}_2\text{O}_2\text{CO}_3$		14.3 28.8 43.9	$V\text{S}_2$	$\text{Bi}_2\text{O}_2\text{CO}_3$
$V\text{S}_2$				
[0027]	3	$\text{Bi}_2\text{O}_2\text{CO}_3$	$V\text{S}_2$	1
DRS		$\text{Bi}_2\text{O}_2\text{CO}_3$	$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$	$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$
			402nm	$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$
				$V\text{S}_2$ $\text{Bi}_2\text{O}_2\text{CO}_3$
		$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$		
[0028]	4	$\text{Bi}_2\text{O}_2\text{CO}_3$	$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$	1
		$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$	$\text{Bi}_2\text{O}_2\text{CO}_3$	
		$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$	$\text{Bi}_2\text{O}_2\text{CO}_3$	
				PL
[0029]	5	1	$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$	
			0.62nm 0.27nm	HRTEM
				002
110	$\text{Bi}_2\text{O}_2\text{CO}_3$		$V\text{S}_2$	$\text{Bi}_2\text{O}_2\text{CO}_3$
				HRTEM
				$V\text{S}_2$
[0030]	2			
[0031]		Cl P		500W
		10mg/L	Cl P	40mg
$\text{Bi}_2\text{O}_2\text{CO}_3$			40mL	Cl P
				HXSEI
				3mi n
				30mi n
			4mL	0
				% 2
6				272n
				272n
		$V\text{S}_2$		Cl P
[032]	7	$V\text{S}_2/\text{Bi}_2\text{O}_2\text{CO}_3$		Cl P
		90% in	Cl P	Cl P
[033]	5	$\text{Bi}_2\text{O}_2\text{CO}_3$	$\text{Bi}_2\text{O}_2\text{CO}_3$	—
				90 Cl P
				Cl P
[034]				

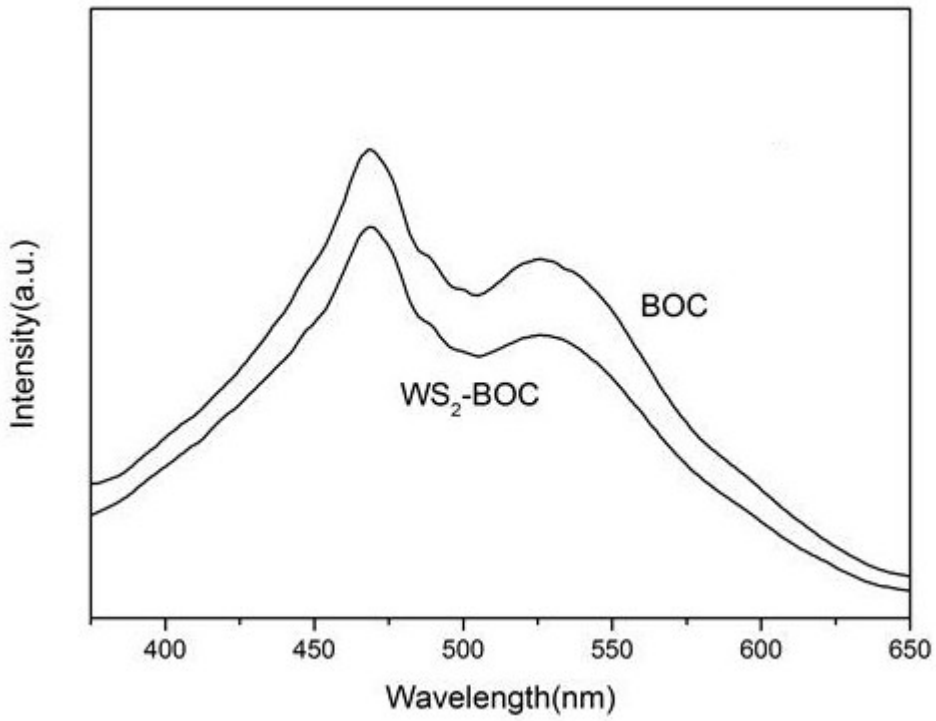


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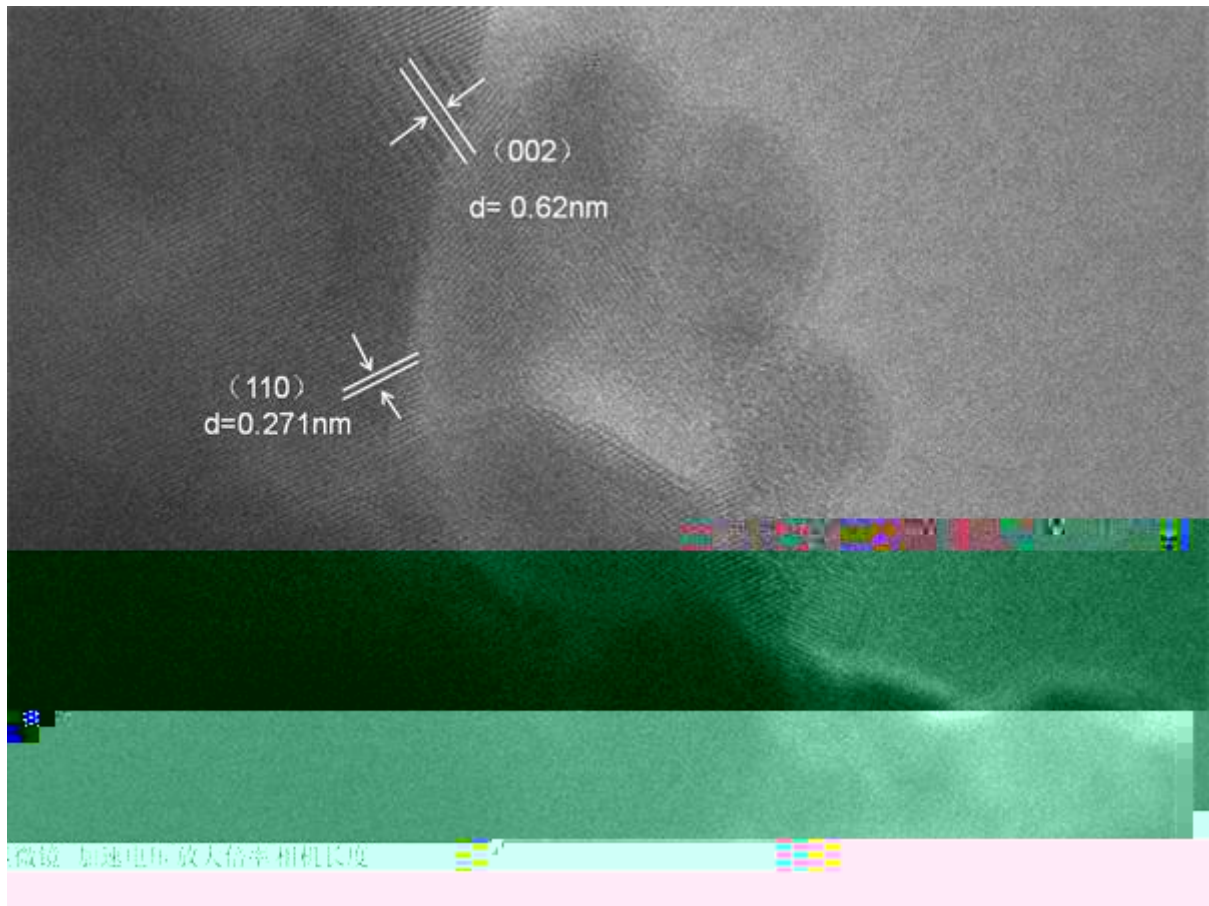


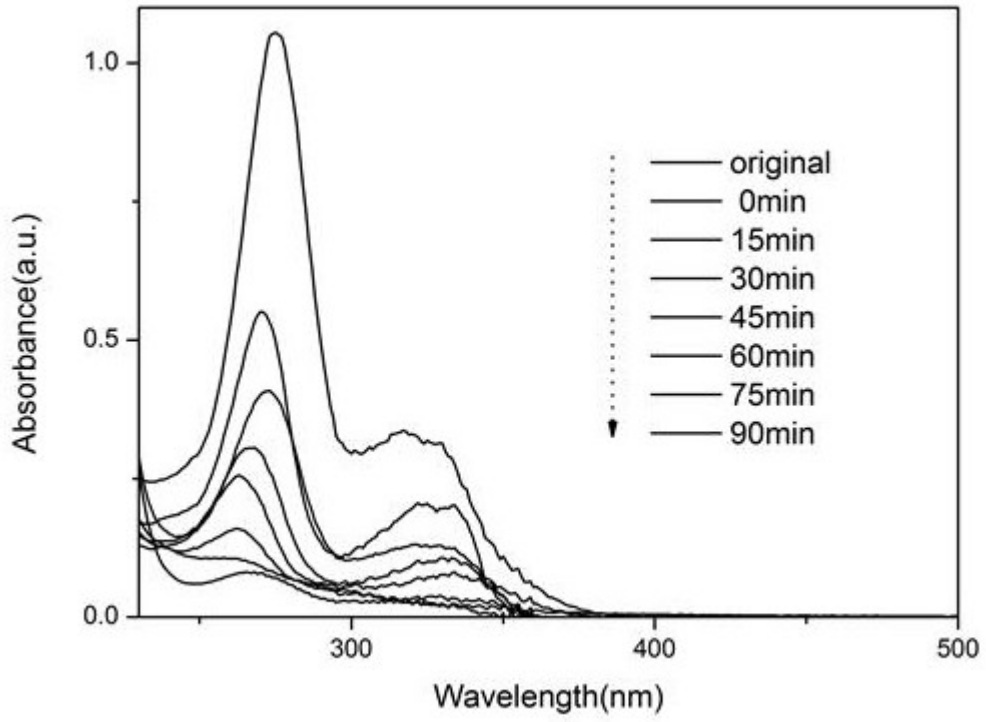
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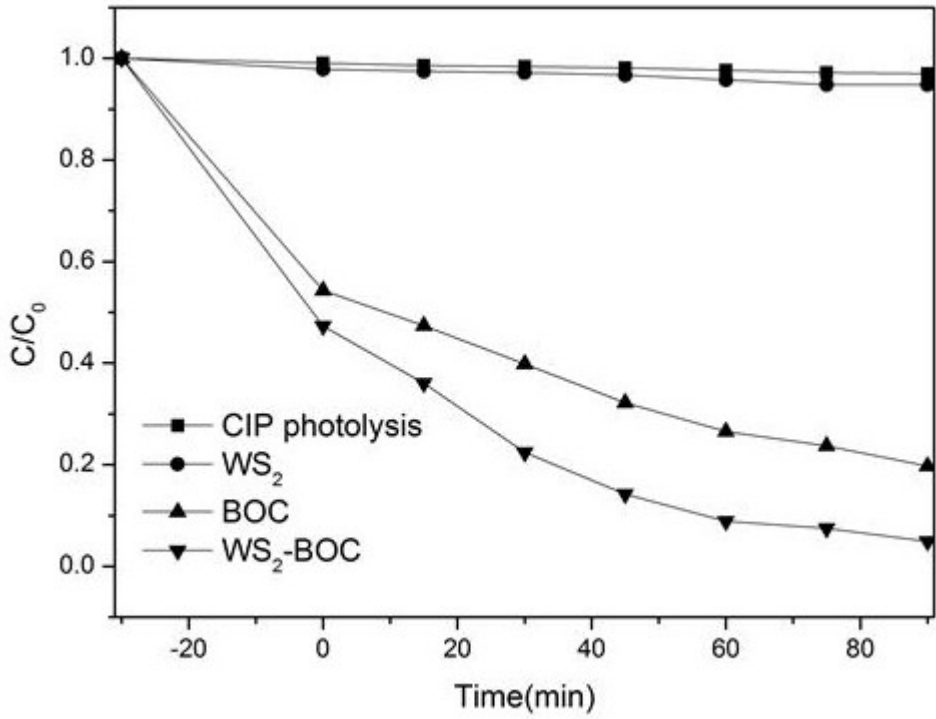
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