

Supporting Information

Facile synthesis of nanostructured BiOI microspheres with high visible light-induced photocatalytic activity

Xin Xiao ^{1,2}, Wei-De Zhang ^{1,*}

¹ Nano Science Research Center, School of Chemistry and Chemical Engineering, South China University of Technology, Guangzhou 510640, PR China

² School of Chemistry and Environment, South China Normal University, Guangzhou 510006, PR China

* To whom correspondence should be addressed. Tel.: +86 20 87114099; Fax: +86 20 87112053. E-mail: zhangwd@scut.edu.cn (W. D. Zhang).

Table S1. The serial numbers of the additional samples and their synthesis conditions

samples	absolute ethanol ^a	distill water ^a	KI solution ^b	NH ₃ ·H ₂ O (1.5M)	NaOH (1.5M)
T1	20ml		40ml		
T2		20ml	40ml	pH=7	
T3	20ml		40ml		pH=7
T4	20ml		40ml	pH=3	
T5	20ml		40ml	pH=5	
T6	20ml		40ml	pH=9	

^a solvent for Bi(NO₃)₃·5H₂O, ^b KI dissolved in distill water.

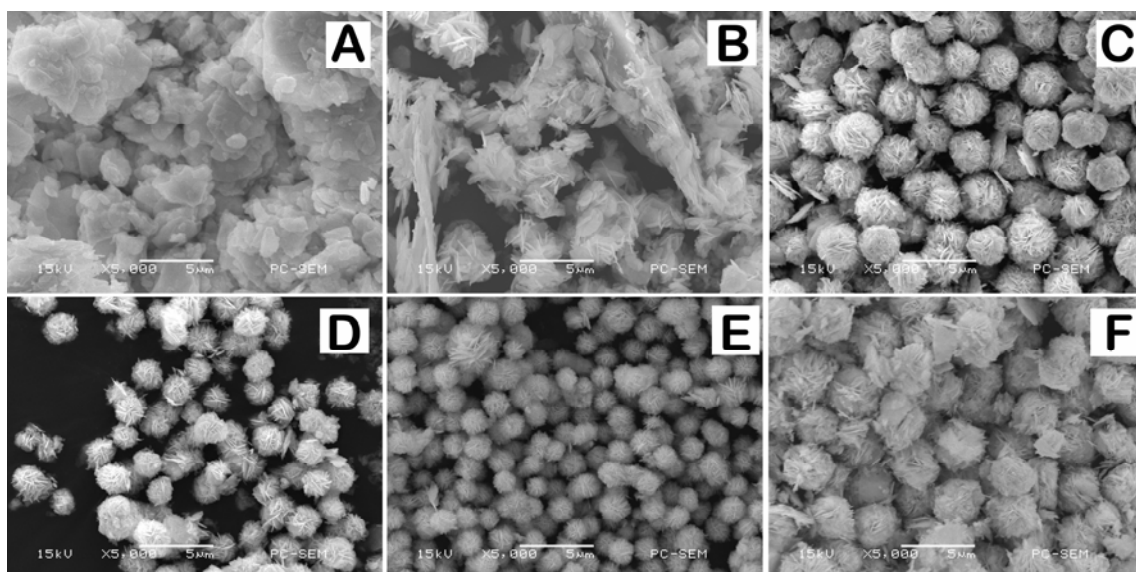


Figure S1. (A-F) SEM images of additional samples T1-T6, respectively.

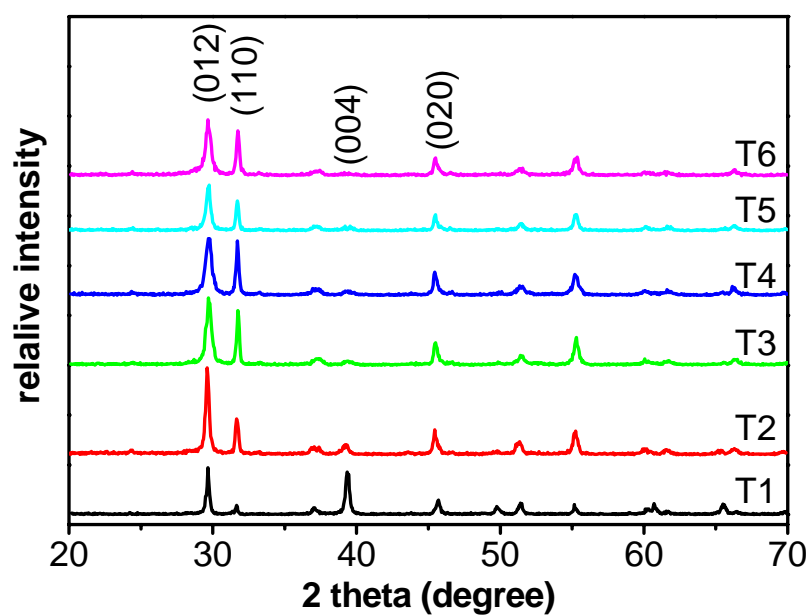


Figure S2. XRD patterns of additional samples.

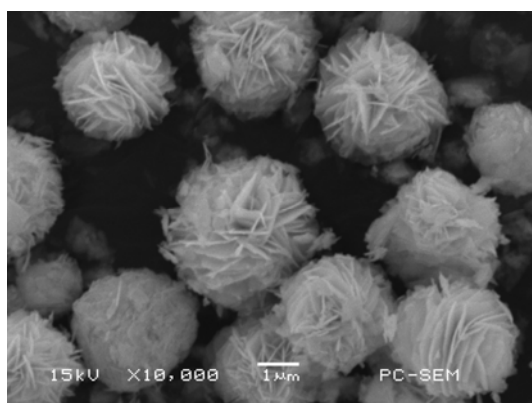


Figure S3. SEM image of 3D BiOI microspheres after the photocatalytic reaction.