

## Supplementary Material

### **Bi<sub>x</sub>O<sub>y</sub>I<sub>z</sub> with oxygen vacancy for boosting photocatalytic oxidation of bisphenol A and tetracycline**

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## Supplementary Figures and Tables

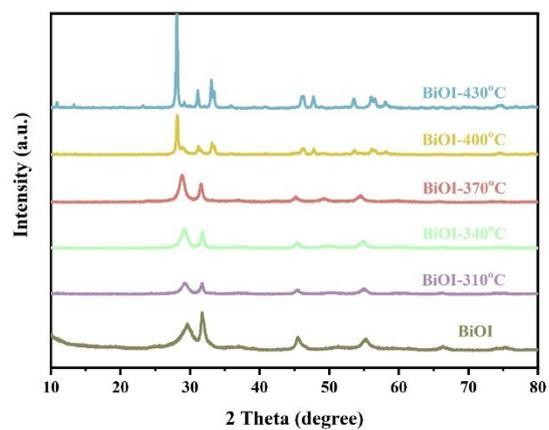


Fig. S1 The XRD patterns of BiOI, BiOI-310°C, BiOI-340°C, BiOI-370°C, BiOI-400°C and BiOI-430°C.

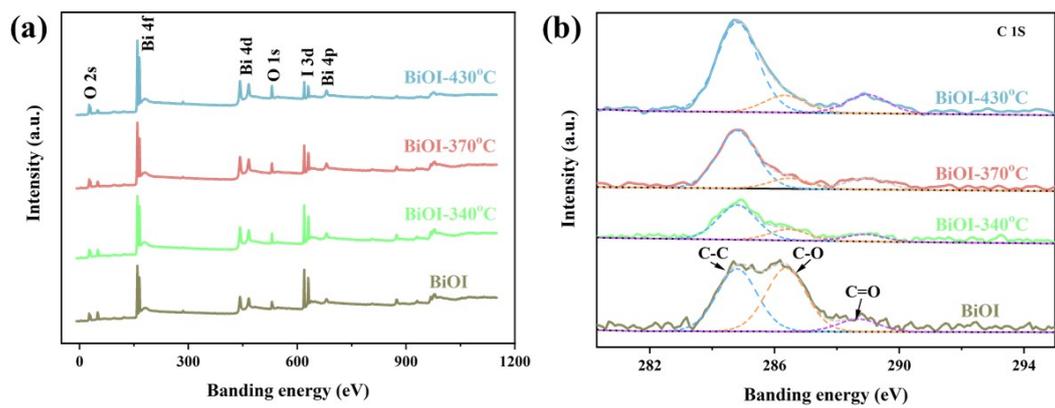


Fig. S2 The XPS spectra of pristine BiOI, BiOI-340°C, BiOI-370°C and BiOI-430°C:

(a) survey scan, (b) C 1s.

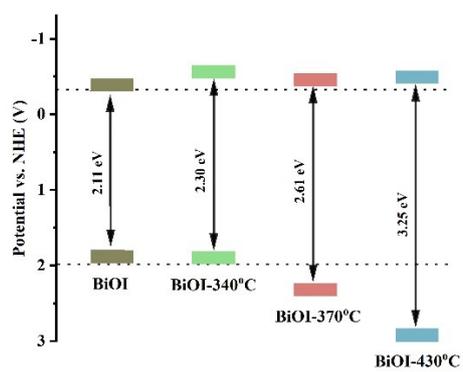


Fig. S3 The band position for BiOI, BiOI-340°C, BiOI-370°C and BiOI-430°C.

Table. S1 The relative content of Bi and I in BiOI, BiOI-340°C, BiOI-370°C and BiOI-430°C.

Atom	Bi 4f	I 3d	O 1s	Bi/I
BiOI	17.9%	9.62%	36.59%	1.86
BiOI-340°C	29.81%	11.29%	41.58%	2.64
BiOI-370°C	26.32%	7.98%	40.33%	3.29
BiOI-430°C	23.98%	3.43%	45.57%	6.99