

## Supporting Information

### Figure Captions

**Fig. S1** –XRD pattern of as-prepared SS-BNO.

**Fig. S2** - UV-Vis diffuse reflectance spectrum of as-prepared SS-BNO.

**Fig. S3** – The corresponding measuring region of EPMA.

**Fig. S4** - XRD patterns of precursors with different pH value in the suspensions.

**Fig. S5** - Kinetics of photocatalytic reactions for phenol degradation.

**Fig. S6** – UV-Vis spectra of phenol over NA-BNO at various irradiation times.

**Fig. S7** - Calculated band structure of  $\text{Bi}_3\text{NbO}_7$ .

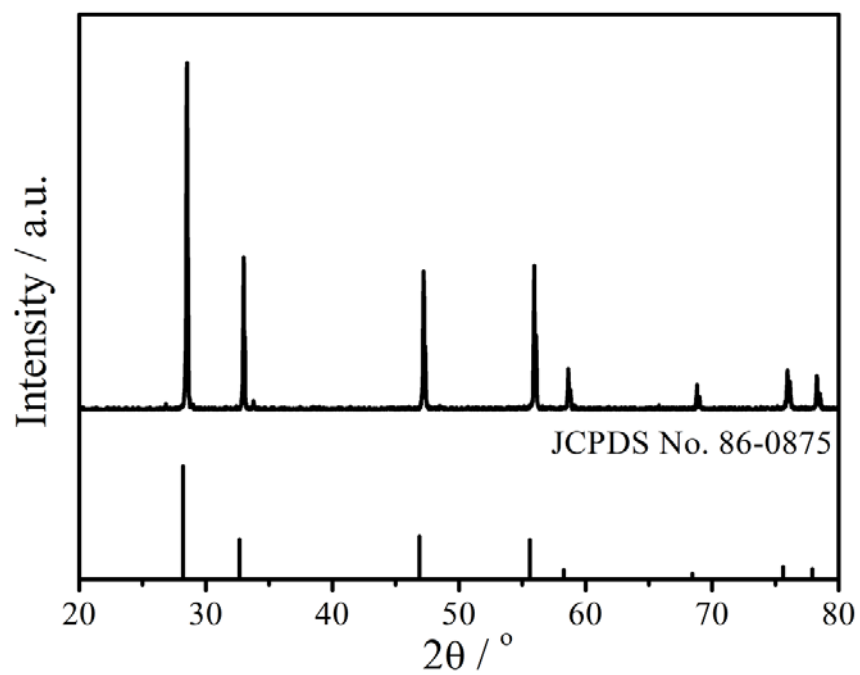


Fig. S1

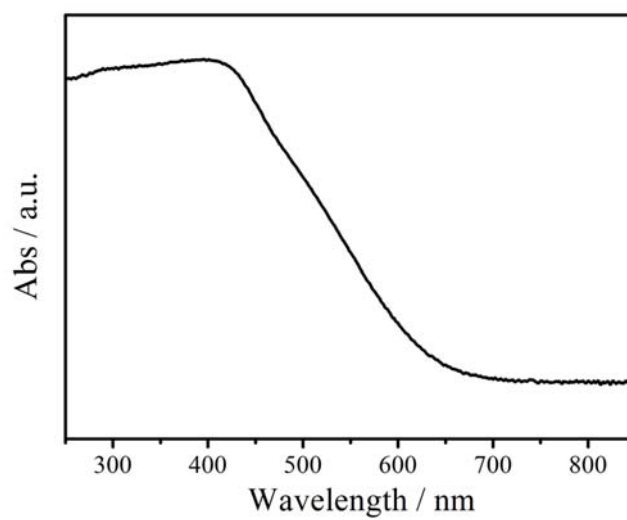


Fig. S2

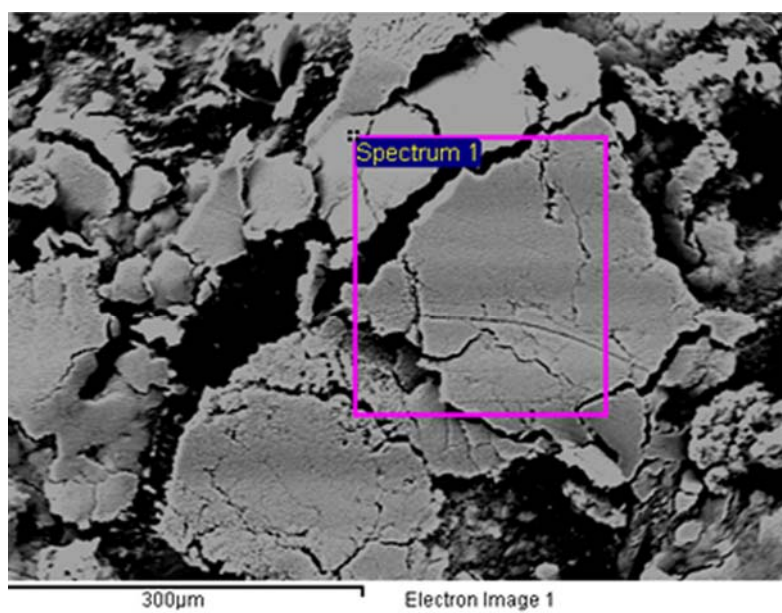


Fig. S3

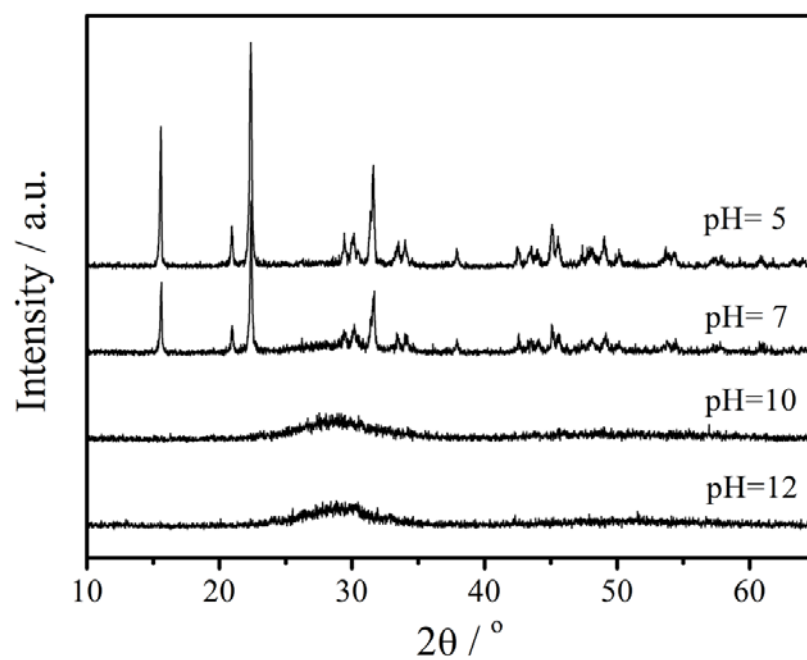


Fig. S4

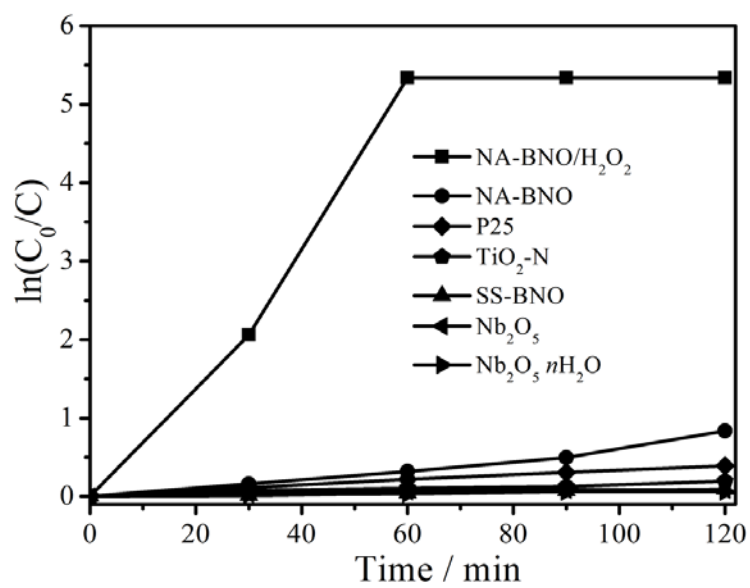


Fig. S5

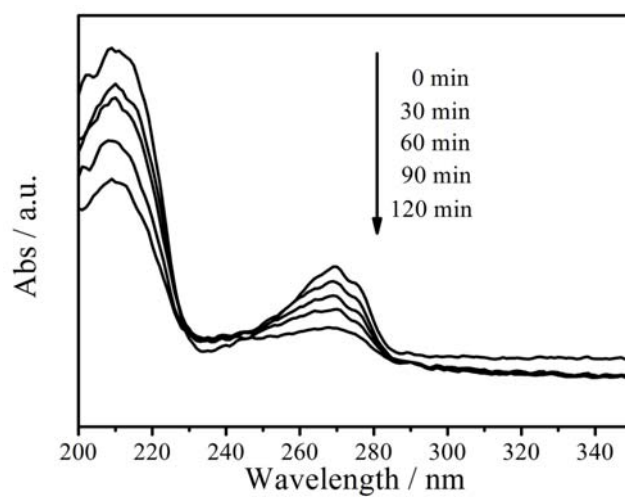


Fig. S6

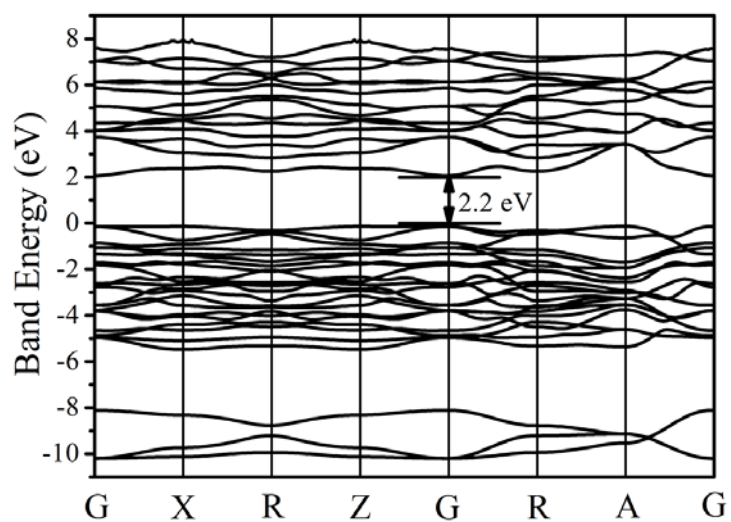


Fig. S7