Supporting information

Enhanced piezocatalytic, photocatalytic and piezo-/photocatalytic performance of diphasic $Ba_{1-x}Ca_xTiO_3$ nanowires near solubility limit

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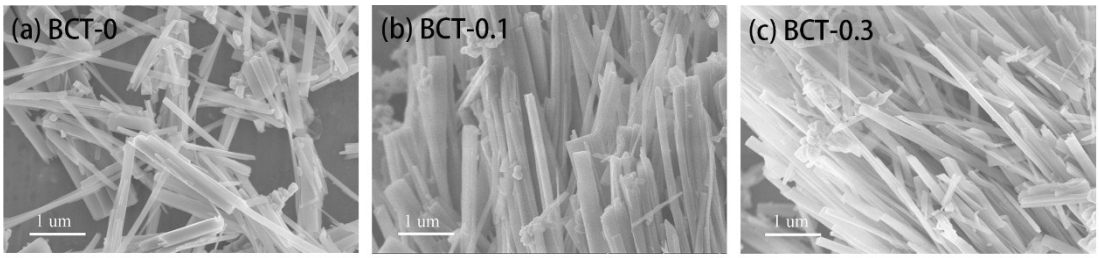
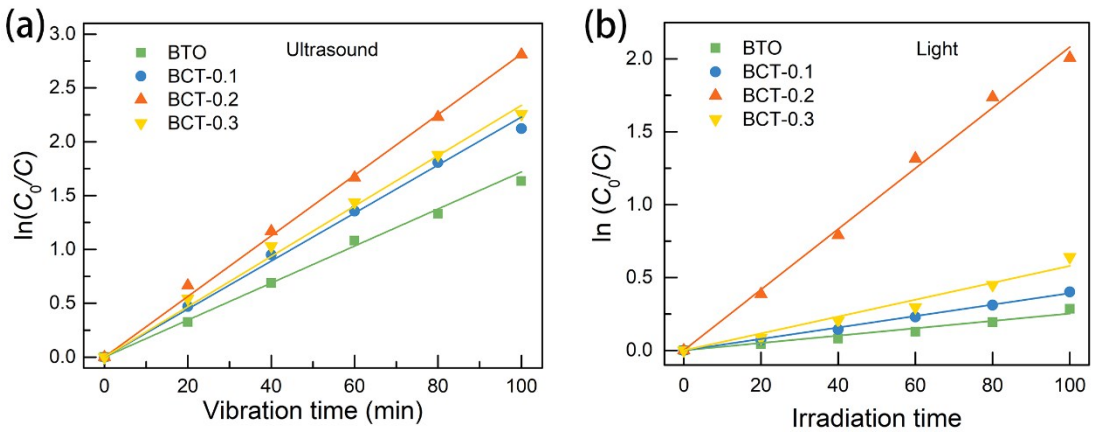
Supporting information 1:

Fig. S1a, b and c is the SEM images of BTO, BCT-0.1 and BCT-0.3, respectively. As shown in Fig. S1, all the samples are nanowires with diameter around 100 nm.



Supporting information 2:

Fig. S2a and b are the $\ln(C/C_0) \sim t$ plots of piezocatalysis and photocatalysis, respectively.



Supporting information 3:

Fig. S3a is the SEM image of BCT-0.2 sample after five piezo-/photocatalytic recycle measurements. Fig. S3b shows the XRD patterns before and after five piezo-/photocatalytic recycle measurement. Both SEM and XRD results indicates that no obvious changes were observed before and after five piezo-/photocatalytic recycle measurement.