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Supporting Information

(b) (a) Transmittance / a.u. Transmittance / a.u. BOC-T25 BOC-T45 BOC-T65 BOC-C0.1, BOC-T85 BOC-C10, ∠∪00 2500 3000 Wavenumber / cm⁻¹ 2500 3000 1000 4000 1000 3500 Wavenumber / cm⁻¹

Fig. S1 FT-IR spectra of the samples obtained at different temperature (a) and

5 different CO₂ concentration (b).

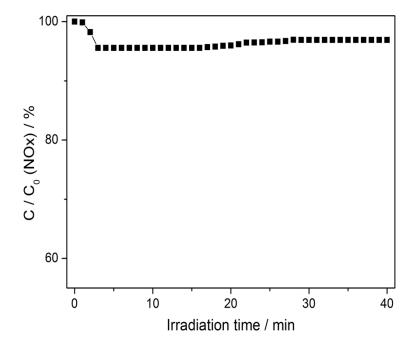


Fig. S2 Photocatalytic removal of NOx of the (BiO)₂CO₃ sample under visible light

irradiation.