Electronic Supplementary Information

Facet-Dependent Photocatalytic NO Conversion Pathways Predetermined by

Adsorption Activation Patterns

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Length(Å): a=13.6757, b=10.9327, c=18.1995 Angles (degree): α =90, β =90, γ =90

Length(Å): a=11.5974, b=11.5944, c=19.3587 Angles (degree): α =90, β =90, γ =90

Scheme S1. The lattice parameters of calculated models.



Scheme S2. The illustrated apparatus for the in situ DRIFTS system



Scheme S3. The illustrated apparatus for the system of photocatalytic oxidation of NO.



Fig. S1 SEM images of samples: 110-BOC low magnification (a); 110-BOC high magnification (b); 001-BOC low magnification (c); 001-BOC high magnification (d).



Fig. S2 The N₂ adsorption-desorption isotherms (a) and the corresponding pore-size distribution (PSD) curves (b) of the as-synthesized 110-BOC and 001-BOC.