Supporting information

Sol-gel synthesis of ZnTiO$_3$ using a single-source precursor based on $p$-carboxybenzaldehyde oxime as linker

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(a) POBC

(b) Zn(OAc)$_2$·2H$_2$O : POBC =1:2
Fig. S-1. 1H-NMR spectra of (a) POBC, (b) Zn(POBC)$_2$, (c) Zn-Ti-POBC (1:1:2) precursor and (d) Zn-Ti-POBC (1:2:4) precursor.
Fig. S-2. SAXS measurement of (a) Zn-Ti-POBC and (b) Zn-BA-Ti-AO after calcination at 250 °C with a heating rate of 2 °C/min.
**Fig. S-3.** N₂ adsorption–desorption isotherms (top) and pore size distribution (bottom) for samples calcined at 400 °C with a heating rate of 2 K/min.
Fig. S-4. N₂ adsorption–desorption isotherms (top) and pore size distribution (bottom) for samples calcined at 550 °C with a heating rate of 2 K/min.