Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Material for

Block Copolymer-Cyclodextrin Supramolecular Assemblies as Soft Templates for the Synthesis of Titania Materials with Controlled Crystallinity, Porosity and Photocatalytic Activity

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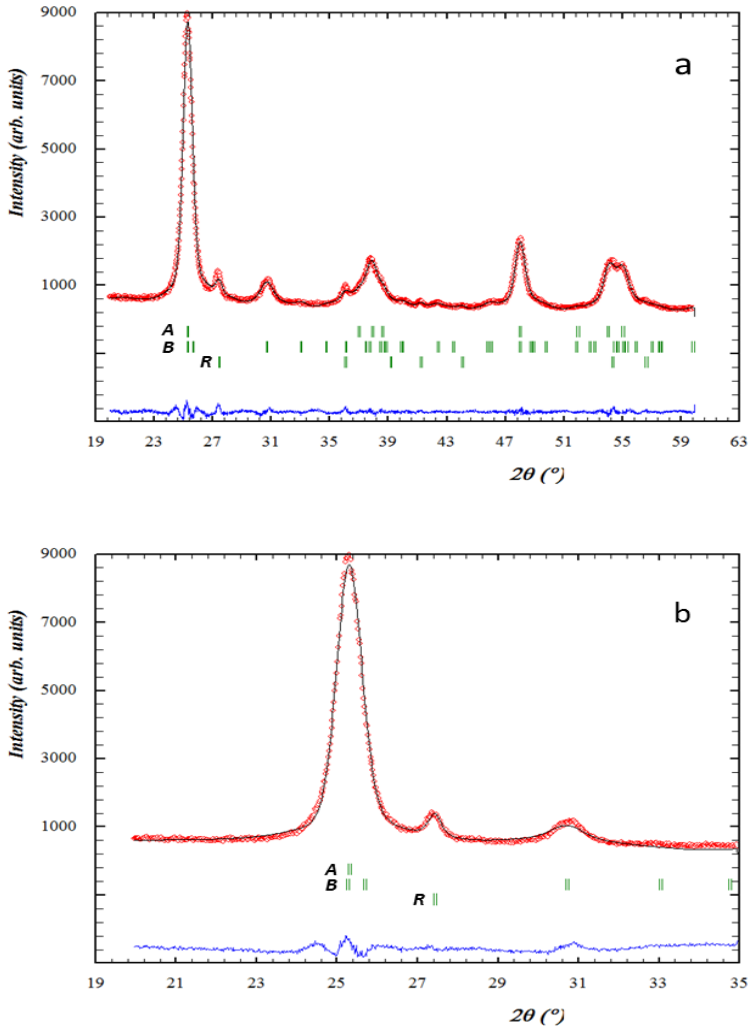

Fig. S1 Observed (red scatter) and calculated (black line) XRD patterns resulting from pattern matching (a) and Rietveld refinement (b) of TiO_2. Green lines: JCPDS of anatase (A), brookite (B) and rutile (R). Blue line: difference profile between the experimental and the calculated patterns. The χ^2 obtained for this sample was 1.72.

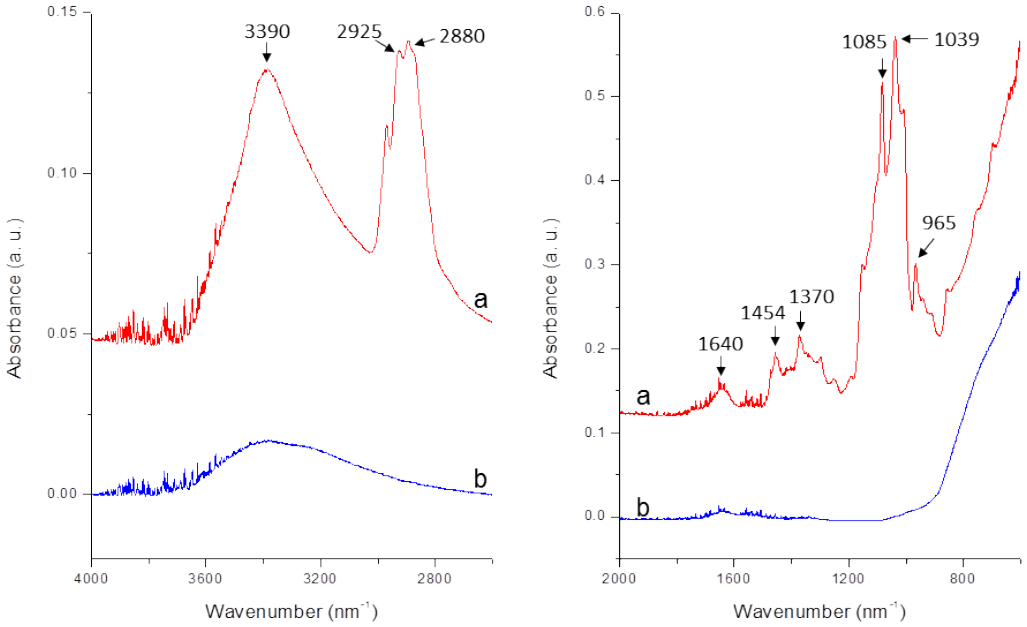

Fig. S2 ATR-FTIR spectra of the P27RB198 sample before calcination (a), and after calcination at 500 °C (b).

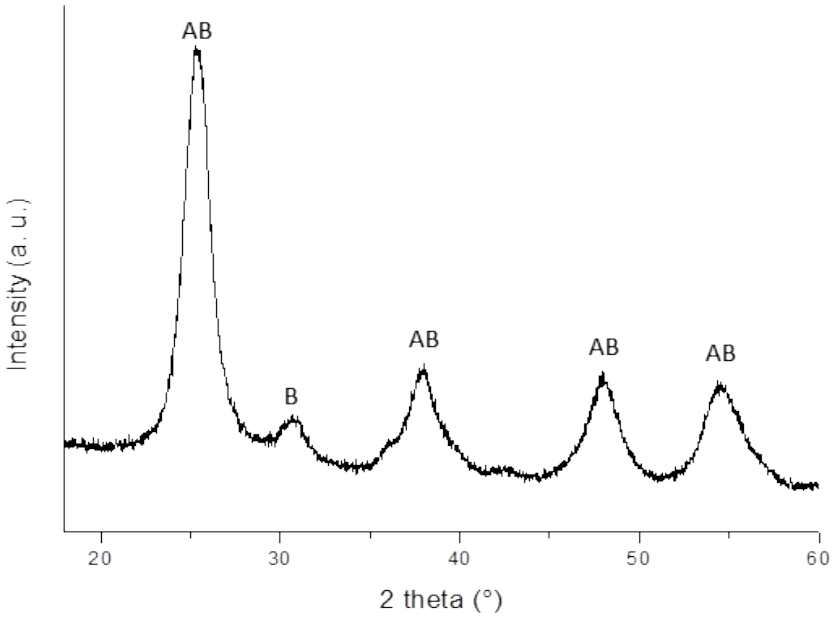

Fig. S3 XRD pattern of the sol-gel titania xerogel prepared without template and dried at 60 °C.

Sample	Anatase		Brookite		Rutile	
	cs (nm)	ct (%)	cs (nm)	ct (%)	cs (nm)	ct (%)
Sol-gel TiO_2	6.6±0.5	67.8±5.4	5.3±0.4	32.2±2.6	-	-

Table S1. Structural and textural characteristics of titania xerogel prepared without template and dried at 60 °C.

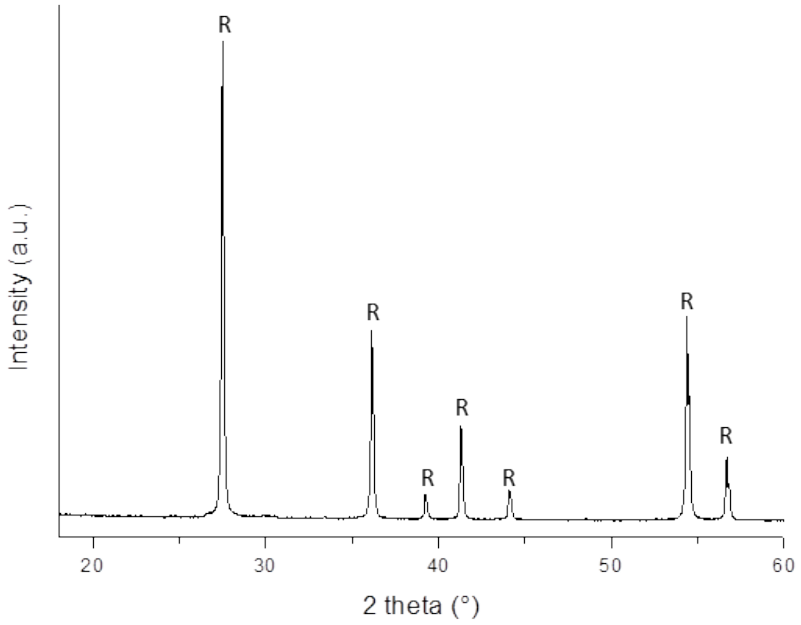

Fig. S4 XRD pattern of the sol-gel titania material prepared without template and calcined at 600 °C for 2 hours.