Electronic Supplementary Material (ESI) for Dalton Transactions.

Supporting Information

Synthesis and photocatalytic H_2 evolution properties of four Titanium-oxo-Clusters based on Cyclohex-3-ene-1-carboxylate ligand

Mei-Yan Gao,[a,b] Shumei Chen,[a] Lan-Xia Hu,[a] Lei Zhang*[b] and Jian Zhang*[b]

[a]College of Chemistry, Fuzhou University, Fuzhou, Fujian 350116, P. R. China
[b]State Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, 350002 Fuzhou, P. R. China

E-mail: lzhang@fjirsm.ac.cn; zhj@fjirsm.ac.cn

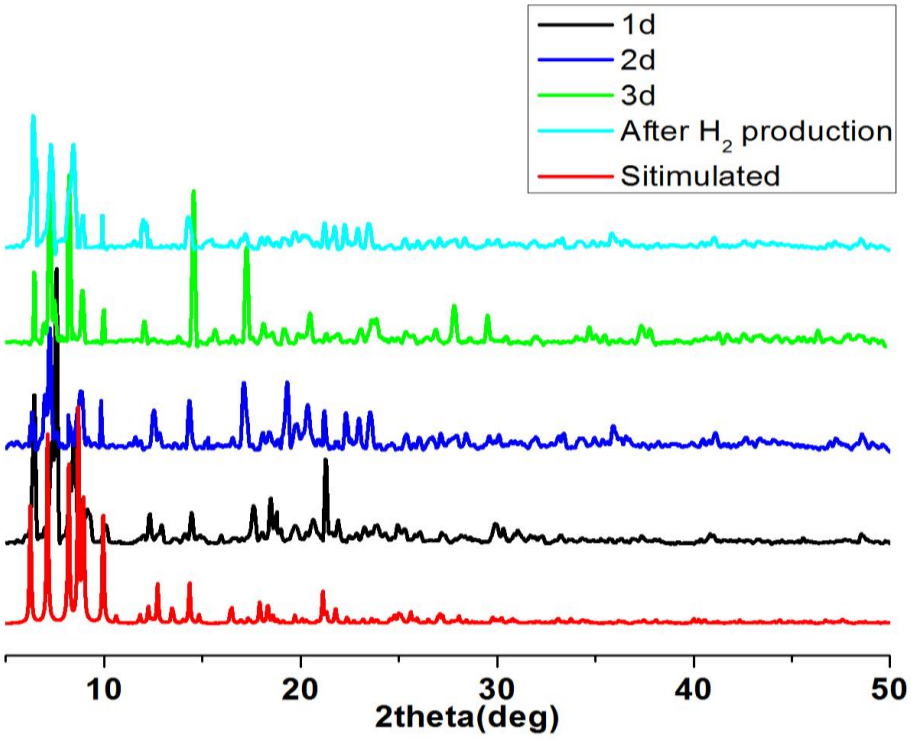

Figure S1. The powder X-ray diffraction (PXRD) pattern of **PTC-91**, confirming its high stability in water and air.

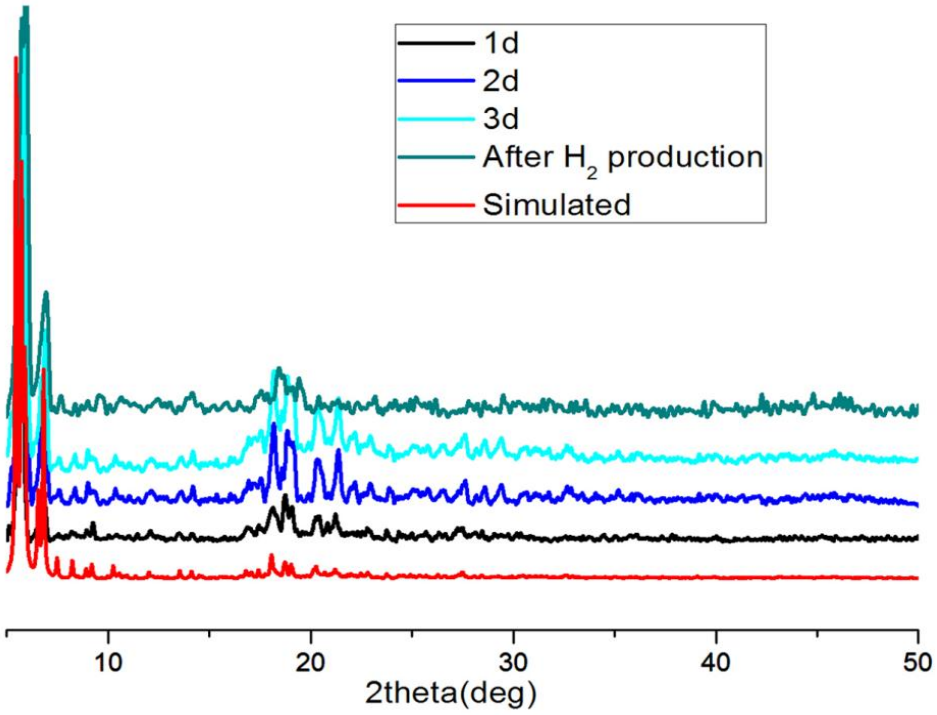

Figure S2. The powder X-ray diffraction (PXRD) pattern of **PTC-94**, confirming its high stability in water and air.

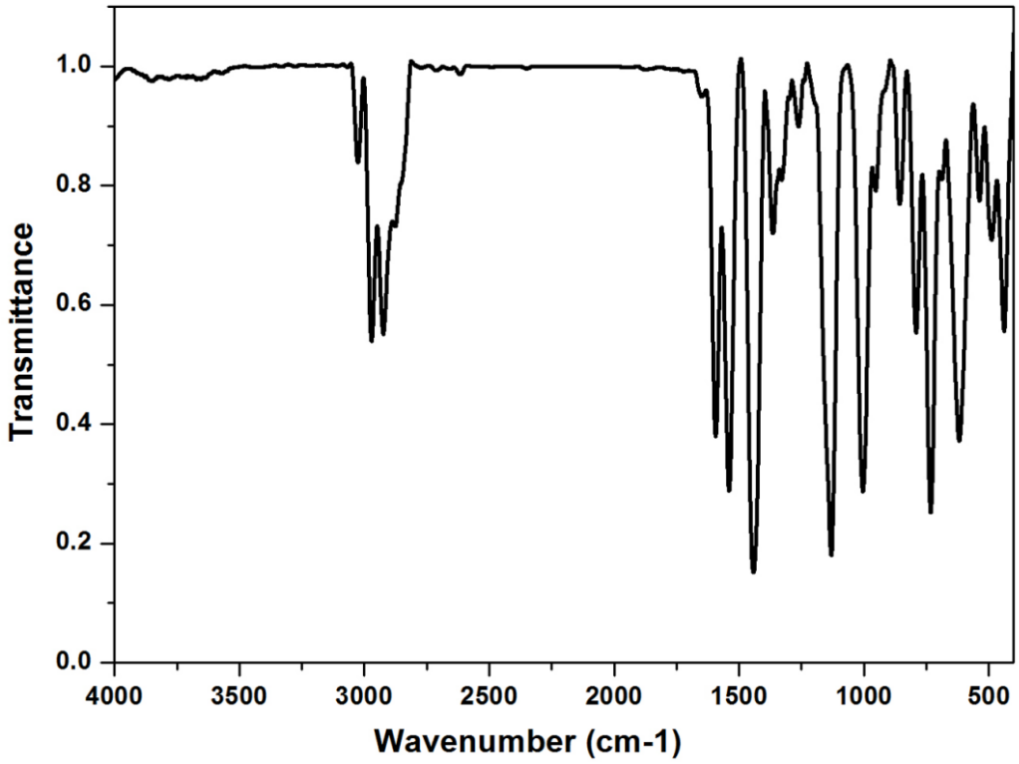

Figure S3. Fourier transform infrared spectroscopy (FT-IR) for **PTC-91**.

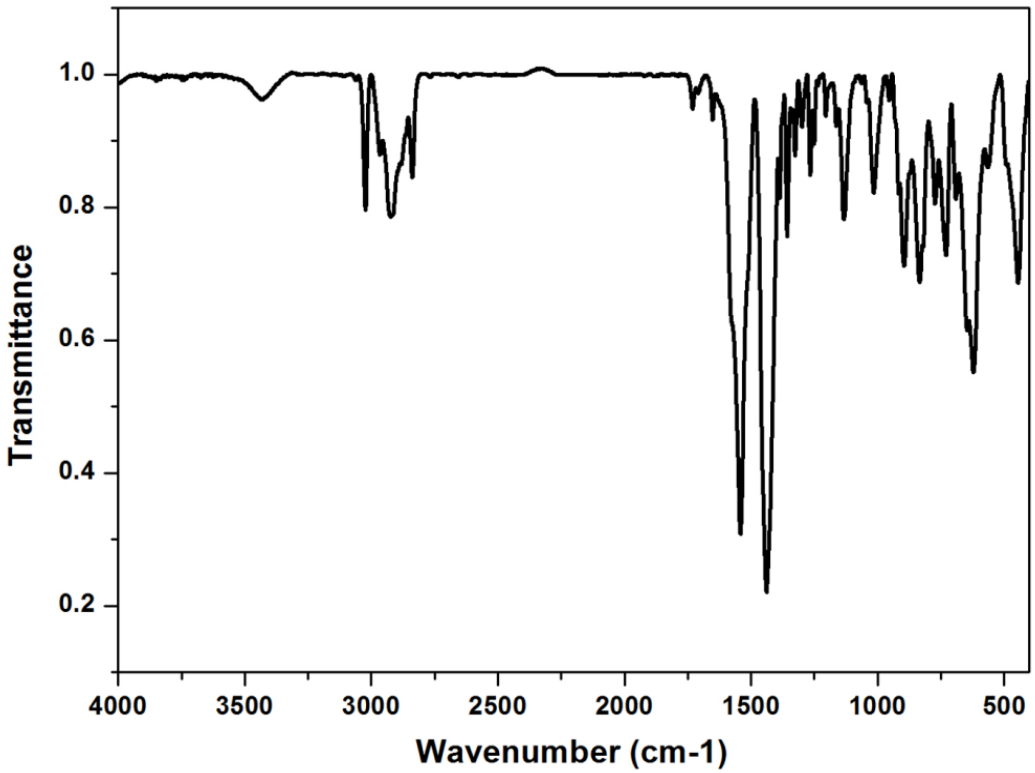

Figure S4. Fourier transform infrared spectroscopy (FT-IR) for **PTC-94**.

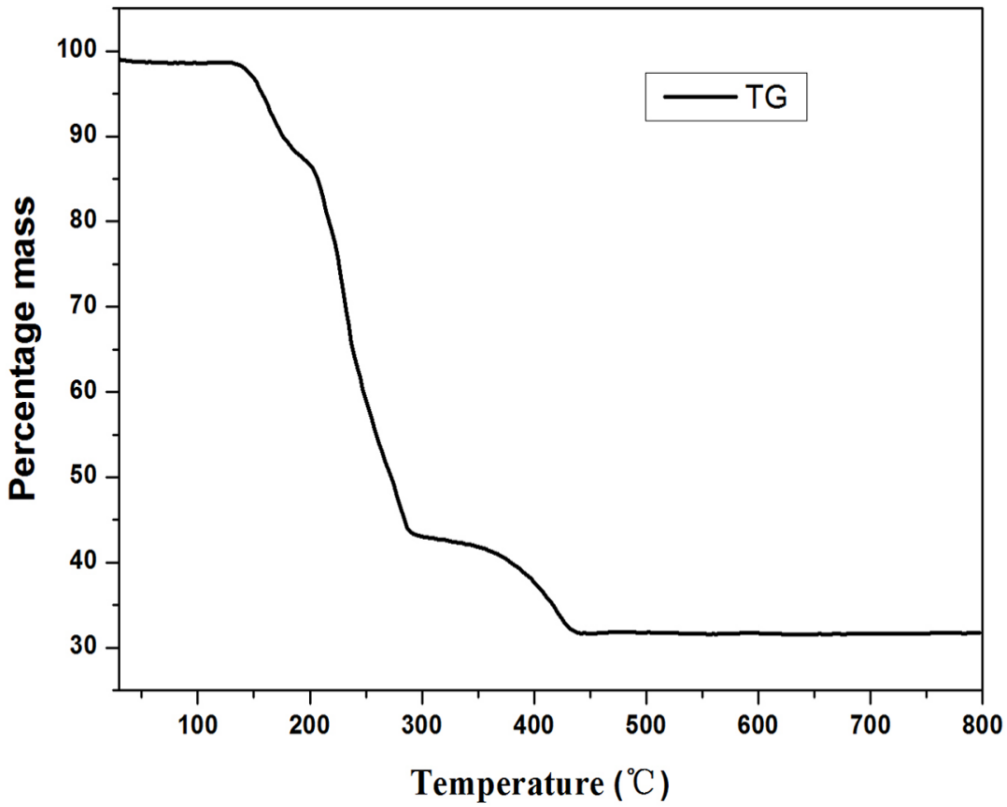

Figure S5. Thermogravimetric analysis (TGA) of **PTC-91**.

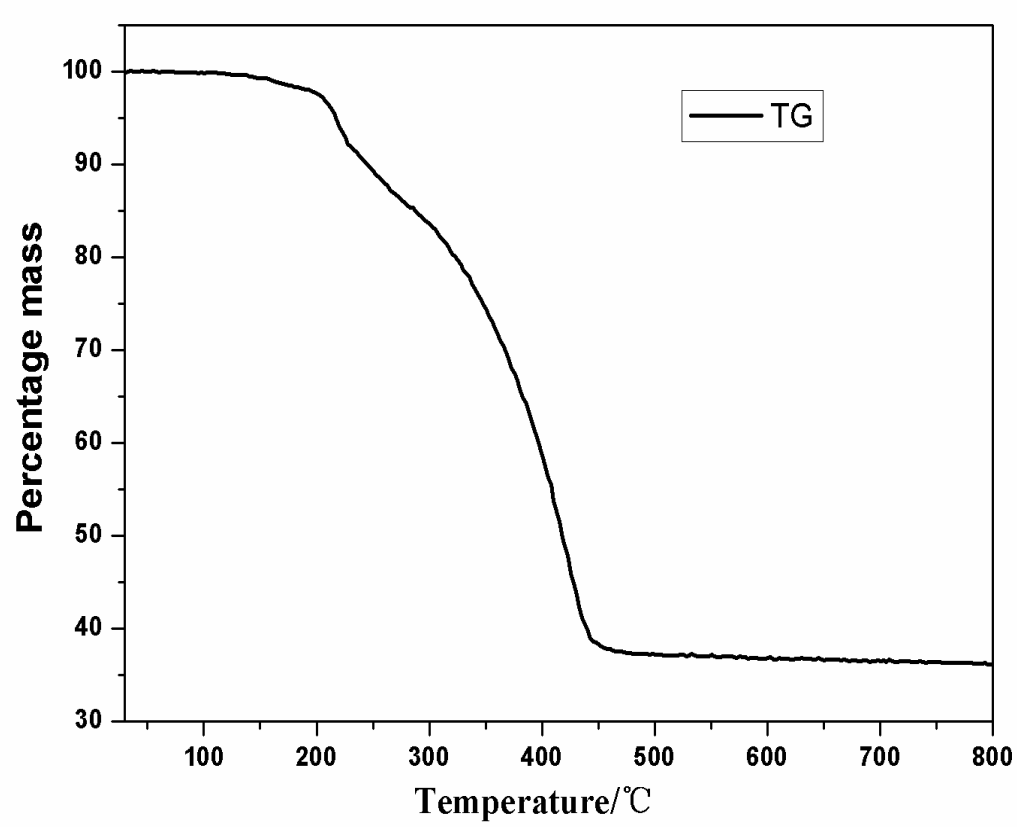

Figure S6. Thermogravimetric analysis (TGA) of **PTC-94**.