

## Supporting Information

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### Heterobimetallic peroxo-titanium(IV) nitrilotriacetate complexes as single source precursors for preparation of MTiO<sub>3</sub> (M =Co, Ni and Zn)

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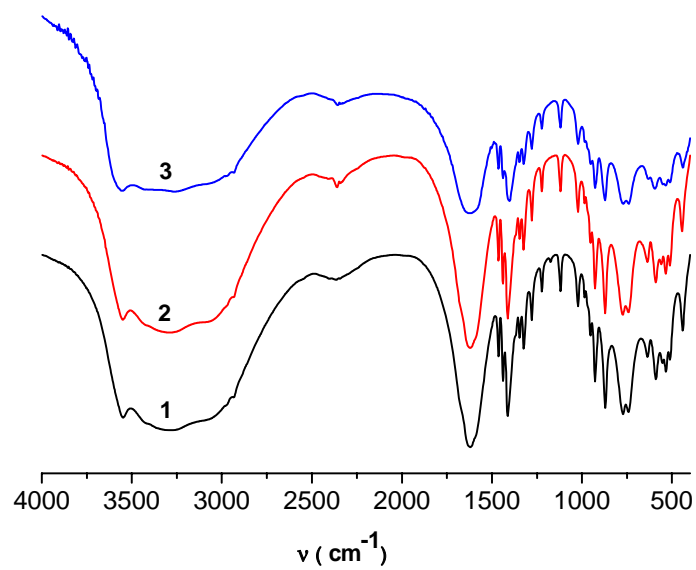
#### Figure Captions

**Figure S1.** The IR spectrum of [M(H<sub>2</sub>O)<sub>5</sub>]<sub>2</sub>[Ti<sub>2</sub>(O<sub>2</sub>)<sub>2</sub>O(nta)<sub>2</sub>]•7H<sub>2</sub>O [M = Co (**1**), Ni (**2**) and Zn (**3**)].

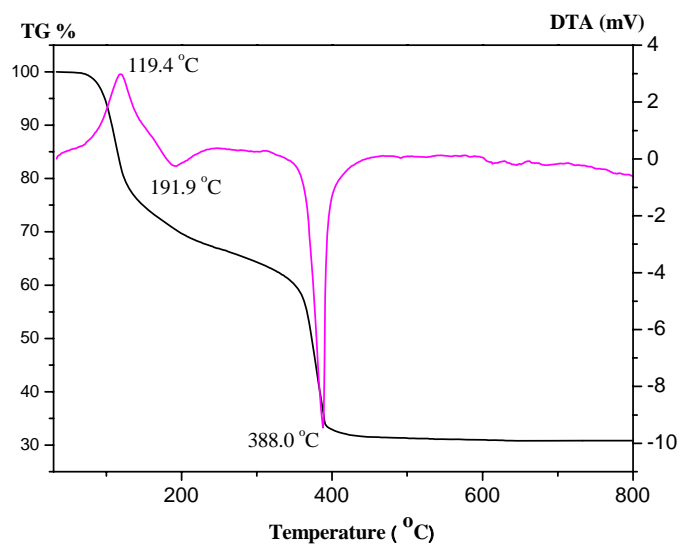
**Figure S2.** TG-DTA curves for [Ni(H<sub>2</sub>O)<sub>5</sub>]<sub>2</sub>[Ti<sub>2</sub>(O<sub>2</sub>)<sub>2</sub>O(nta)<sub>2</sub>]•7H<sub>2</sub>O (**2**) with heating rate of 10 °C/min.

**Figure S3.** TG-DTA curves for [Zn (H<sub>2</sub>O)<sub>5</sub>]<sub>2</sub>[Ti<sub>2</sub>(O<sub>2</sub>)<sub>2</sub>O(nta)<sub>2</sub>]•7H<sub>2</sub>O (**3**) with heating rate of 10 °C/min

**Figure S1**



**Figure S2**



**Figure S3**

