

## Supporting Information

### Catalysis Science & Technology

## Sequential dehydration of sorbitol to isosorbide over acidified niobium oxides

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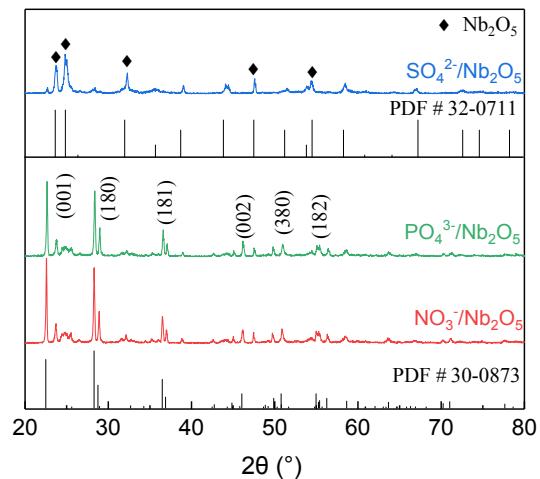
**Fig. S3.** X-ray diffraction patterns of 2.0 M-SO<sub>4</sub><sup>2-</sup>/Nb<sub>2</sub>O<sub>5</sub> after the fifth run.

**Fig. S4.** GC-MS analysis of the reaction solution after 1 h (Reaction conditions: 5 g sorbitol, 1 g 2.0 M-SO<sub>4</sub><sup>2-</sup>/Nb<sub>2</sub>O<sub>5</sub>, catalyst, 130 °C, 6 kPa).

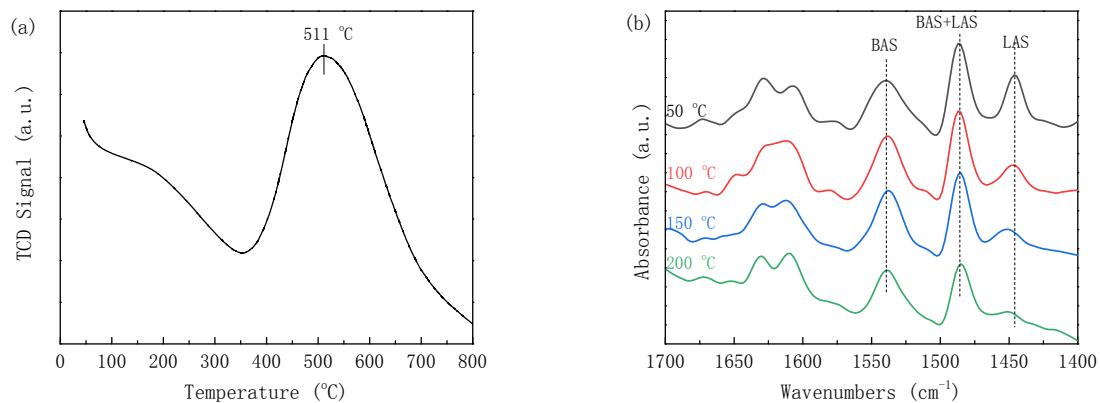
**Fig. S5.** (a) FTIR and (b) Raman spectra of different acids modified Nb<sub>2</sub>O<sub>5</sub> samples.

**Fig. S6.** (a) FTIR and (b) Raman spectra of sulfuric acid acidified Nb<sub>2</sub>O<sub>5</sub> samples.

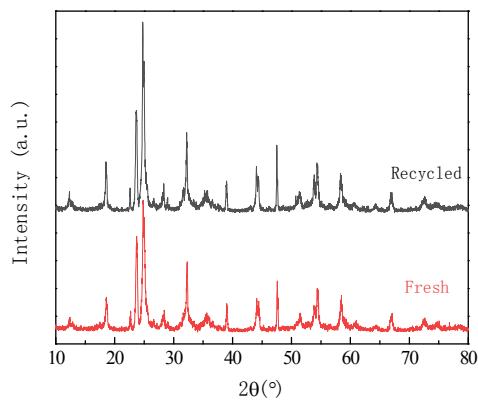
**Fig. S1.**



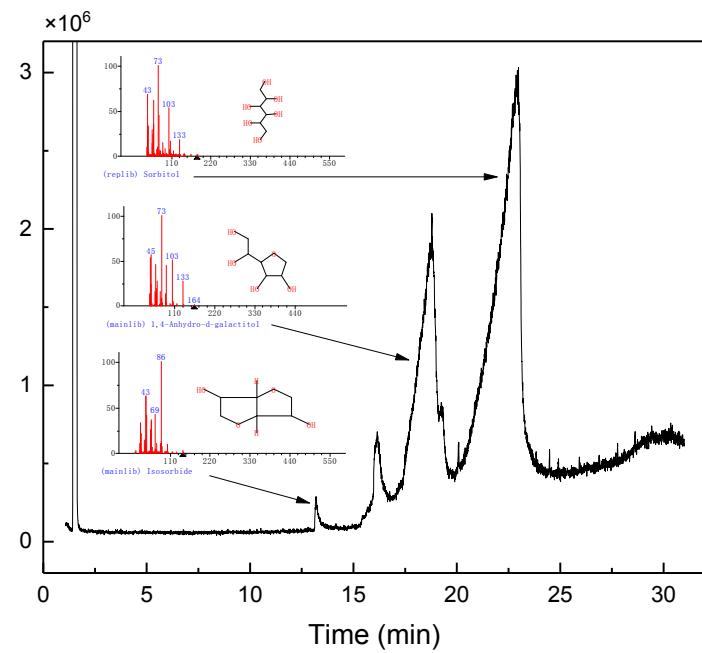
**Fig. S2.**



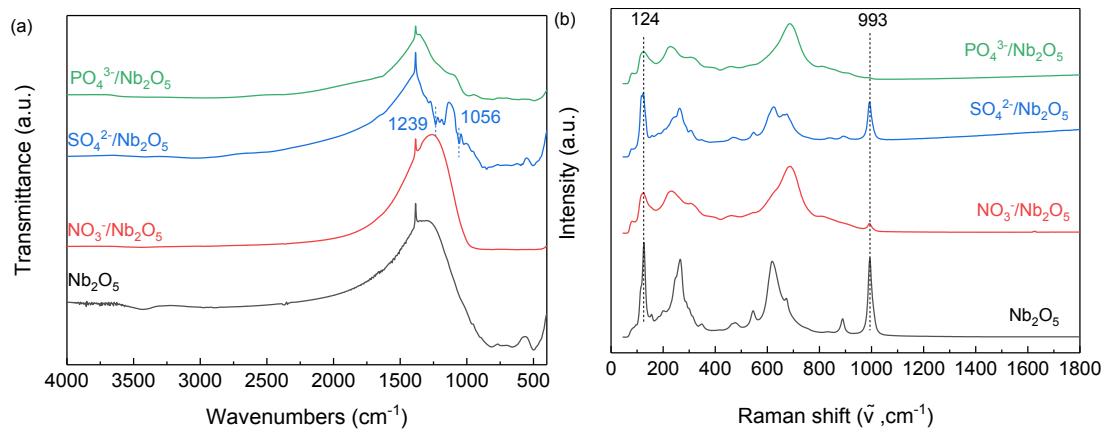
**Fig. S3.**



**Fig. S4.**



**Fig. S5.**



**Fig. S6.**

