

Supplement

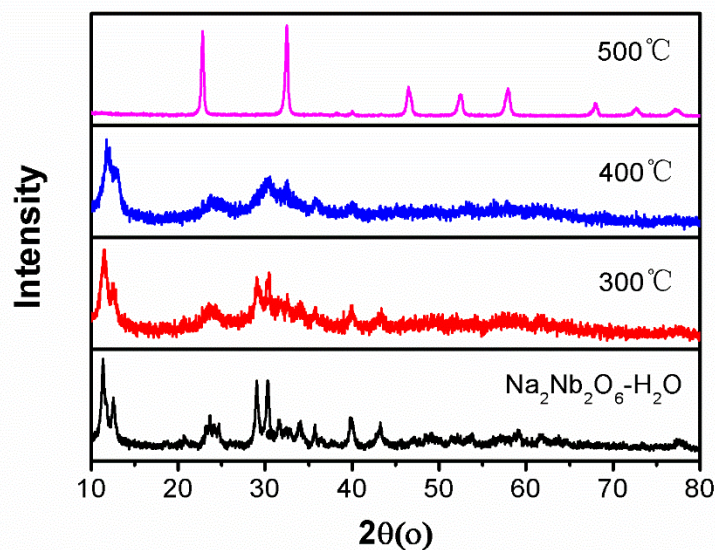


Fig. S1 XRD patterns of $\text{Na}_2\text{Nb}_2\text{O}_6\text{-H}_2\text{O}$ and products calcined at 300°C, 400°C and 500°C for 3h

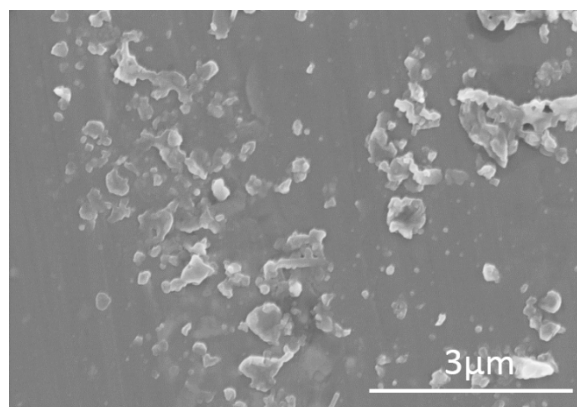


Fig. S2 SEM image of grinding NaNbO_3 particles synthesized by 24h hydrothermal treatment.

Table S1

Rietveld refinement data for NaNbO_3 synthesized by 24h hydrothermal treatment on the basis of *Pbma* space group

Atoms	Atomic position			
	x	y	z	Uiso(Å ²)
Na1	0.7500	0.0000	0.2340	0.01464
Na2	0.7430	0.2500	0.2400	0.01464
Nb1	0.2583	0.1260	0.2462	0.00532
O1	0.2500	0.0000	0.3110	0.00445
O2	0.2402	0.2500	0.1817	0.00300
O3	0.0679	0.1397	0.5443	0.00309
O4	0.4919	0.1102	-0.0119	0.00281

Unit cell parameters: $a=5.5738\text{Å}$, $b=15.5400\text{Å}$, $c=5.5136\text{Å}$.

Table S2

Rietveld refinement data for NaNbO_3 obtained by annealing $\text{Na}_2\text{Nb}_2\text{O}_6\text{-H}_2\text{O}$ precursor on the basis of $\text{P2}_1\text{ma}$ space group

Atom	Atomic position			Uiso(\AA^2)
	x	y	z	
Nb1	0.2697	0.2507	0.2440	0.00466
Na1	0.2523	0.0000	0.7392	0.01384
Na2	0.2800	0.5000	0.7415	0.01384
O1	0.2401	0.0000	0.3096	0.00175
O2	0.2213	0.5000	0.1895	0.01081
O3	0.0265	0.2804	0.5387	0.01081
O4	-0.0459	0.2206	0.0380	0.01081

Unit cell parameters: $a=5.5630 \text{ \AA}$, $b=7.7748 \text{ \AA}$, $c=5.5114 \text{ \AA}$.