Electronic Supplementary Material (ESI) for RSC Advances.

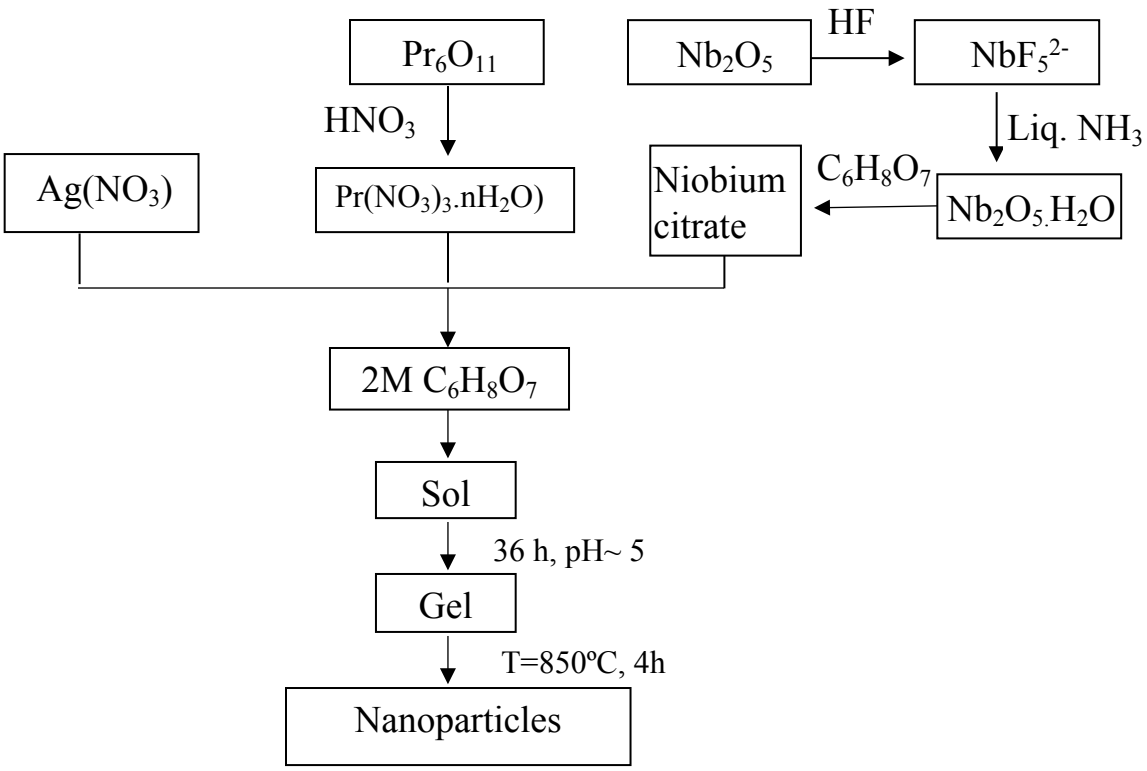

Figure SF1. Flow chart of the synthesis of $Ag_{3(2+x)}Pr_xNb_{4-x}O_{11+\delta}$

$(0.0 \leq x \leq 1.0)$ (S1-S3) nanoparticles

Table ST1. The calculated amount precursors of Ag3(2+x)PrxNb4-xO11+δ (0.0, 0.25 and 1.0) (S1-S3) nanoparticles.

Sample code	Compositional formula	Starting materials		
		$AgNO_3$ (g)	Pr_6O_{11} (g)	Nb_2O_5 (g)
S1	$Ag_6Nb_4O_{11}$	4.2651	-	2.2246
S2	$Ag_{7.5}Pr_{0.5}Nb_{3.5}O_{11+\delta}$	2.9299	0.3082	1.6845
S3	Ag_9 $Pr_1Nb_3O_{11+}$	3.0988	0.5433	1.2725