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--- Supplementary Information ---

Facile synthesis of mono-disperse sub-20 nm $NaY(WO_4)_2$:Er^{3+},Yb^{3+} upconversion nanoparticles: a new choice for nanothermometry

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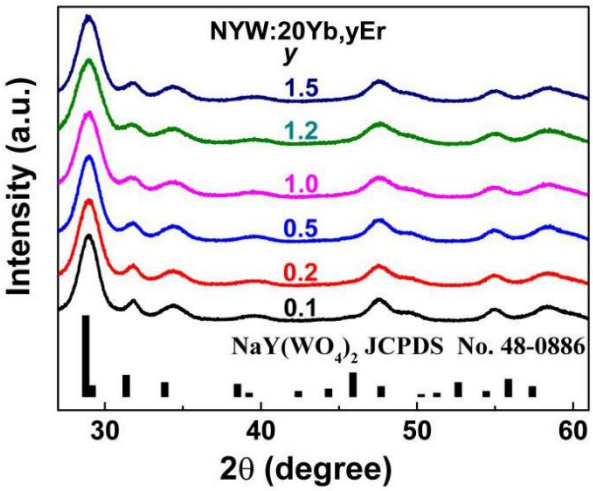

Fig. S1 XRD patterns of NYW:20Yb,*y*Er (y = 0.1, 0.2, 0.5, 1, 1.2 and 1.5) UCNPs as a function of Er^{3+} concentration, with the standard XRD pattern of $NaY(WO_4)_2$ JCPDS card no. 48-0886 provided as a reference.