Supporting Information

Barium fluoride hollow microcubes: hydrothermal synthesis and host for lanthanide near-infrared luminescent properties

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Fig. S1 SEM images of the as-prepared BaF₂ samples (a) in the absence of P123 and with different additives (b) CTAB (c) PVP and (d) PEG-4000.
Fig. S2 SEM image of the as-prepared BaF$_2$ samples in the absence of Cit$^{3-}$ under otherwise same reaction conditions (a) and SEM images of the samples obtained from different fluoride sources (b)NaF, (c) NH$_4$F and (d) HF.
Fig. S3 SEM image of the as-prepared Nd$^{3+}$-doped BaF$_2$ samples.