Supporting information on

Near-infrared luminescence of periodic mesoporous organosilicas grafting with lanthanide complexes based on visible-light sensitization

Lining Sun,*a Wenpeng Mai,b Song Dang,b Yannan Qiu,a Wei Deng,a Liyi Shi,*a Wei Yan*a and Hongjie Zhang*b

Fig. S1. Molecular structure of the dual-functional ligand bpd-Si.
Fig. S2. N₂ adsorption-desorption isotherms of Er(dbm)₃bpd-PMO (a), Yb(dbm)₃bpd-PMO (b), Nd(dbm)₂bpd-PMO (c).
**Fig. S3.** The decay curve of the Er(dbm)\textsubscript{3}bpd-PMO, which corresponds to a double-exponential function (\(\lambda_{\text{exc}} = 355\) nm, \(\lambda_{\text{em}} = 1533\) nm).

**Fig. S4.** The luminescence decay of the Nd(dbm)\textsubscript{3}bpd-PMO to demonstrate the double exponentiality of the decay (\(\lambda_{\text{exc}} = 355\) nm, \(\lambda_{\text{em}} = 1062\) nm).
Fig. S5. The decay curve of the Yb(dbm)_3bpd-PMO, which corresponds to a double-exponential function ($\lambda_{\text{exc}} = 355$ nm, $\lambda_{\text{em}} = 980$ nm).