

Electronic Supplementary Information

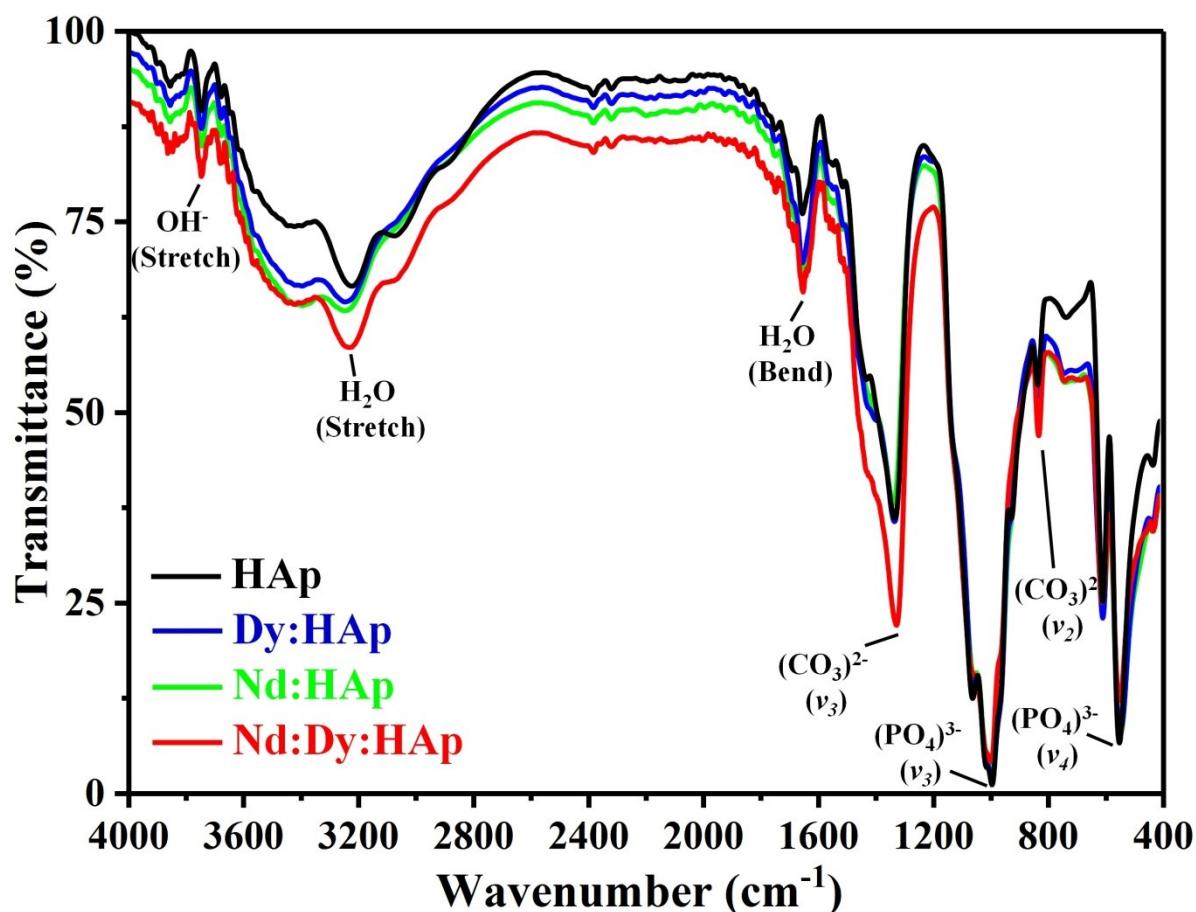


Fig. S1 FT-IR spectra of HAp, Nd:HAp, Dy:HAp, and Nd:Dy:HAp samples.

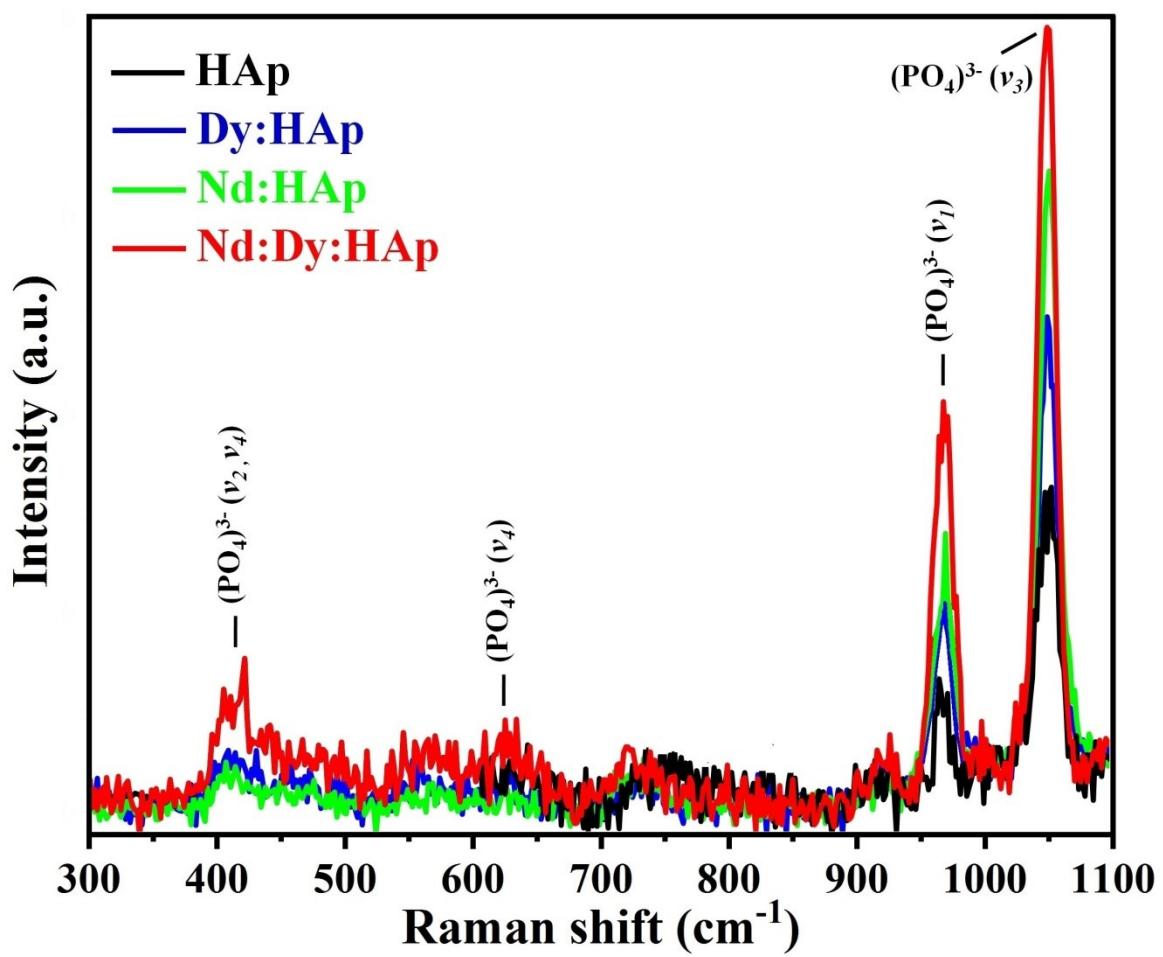


Fig. S2 Raman spectra of HAp, Nd:HAp, Dy:HAp, and Nd:Dy:HAp samples.

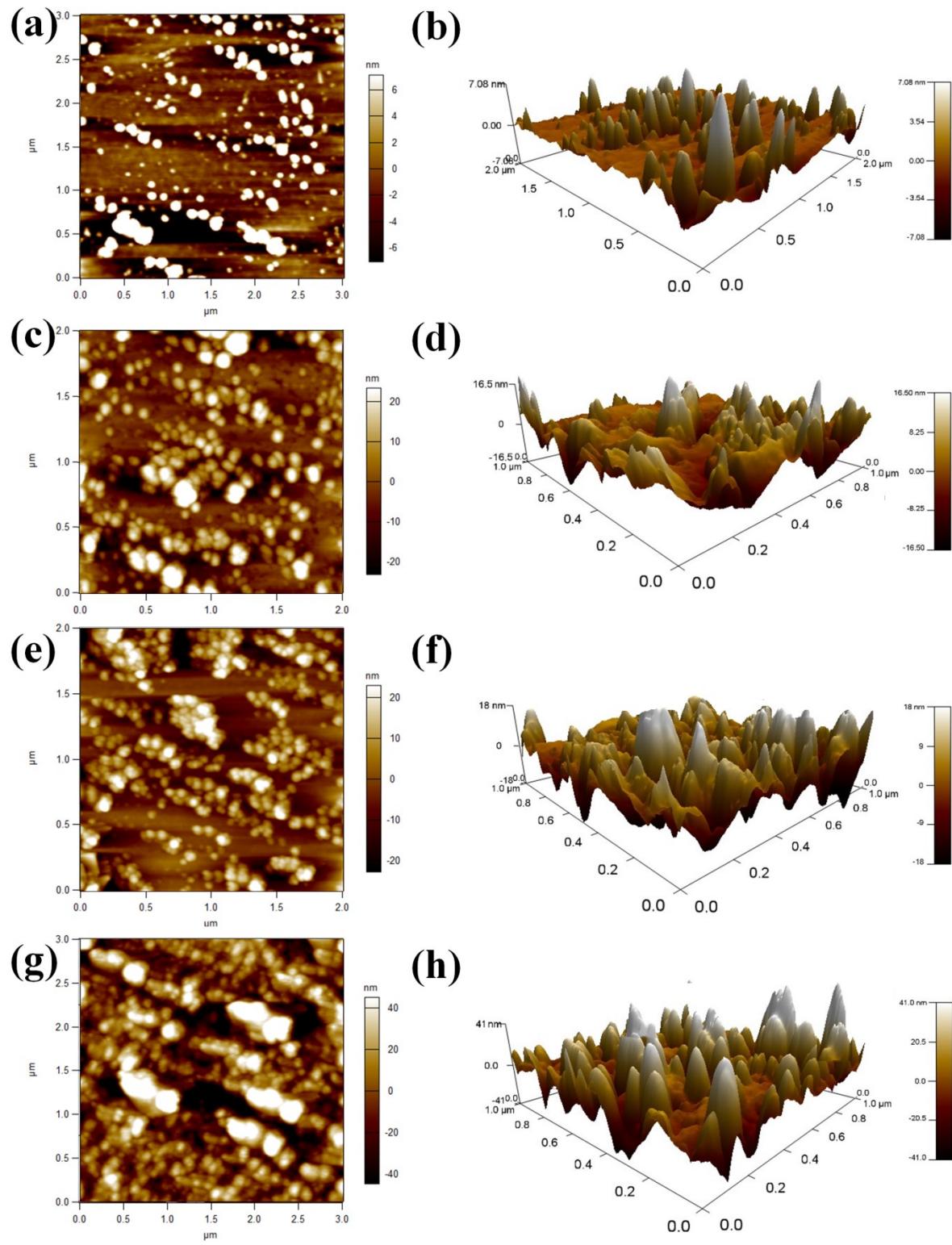


Fig. S3 AFM images (2D & 3D) of (a, b) HAp, (c, d) Nd:HAp (e, f) Dy:HAp, & (g, h) Nd:Dy:HAp.

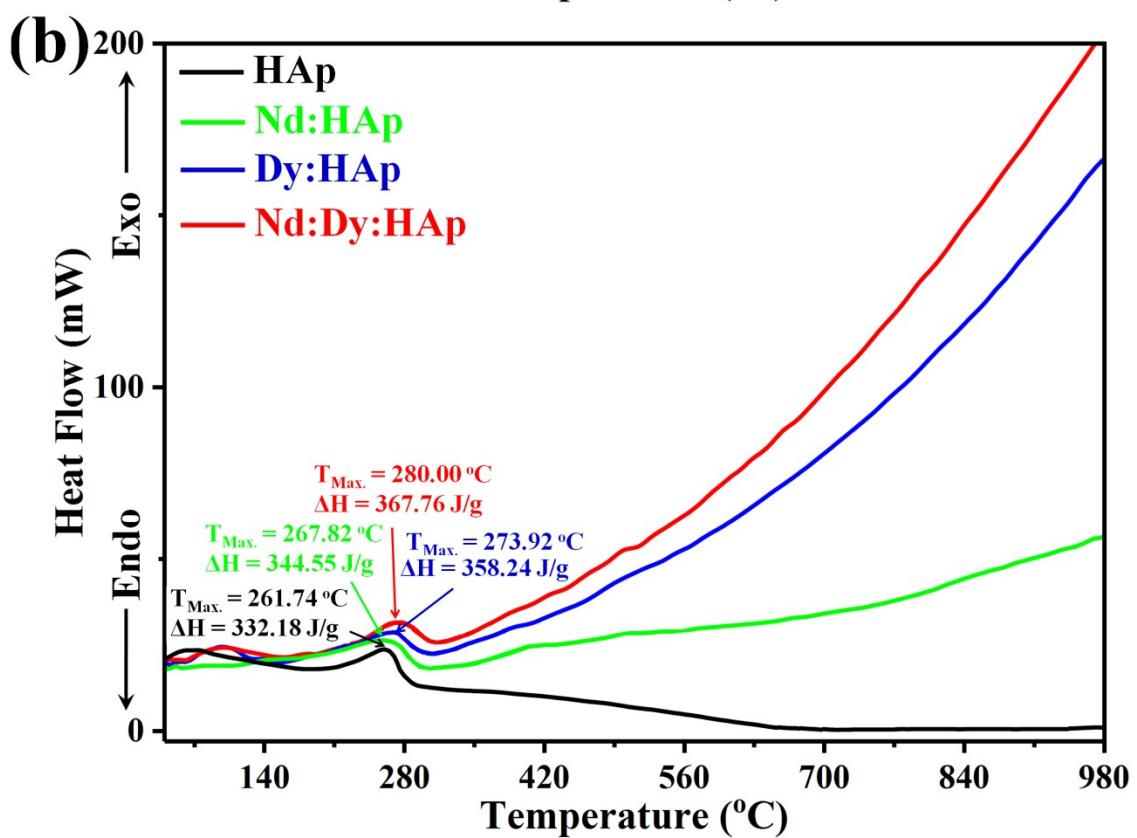
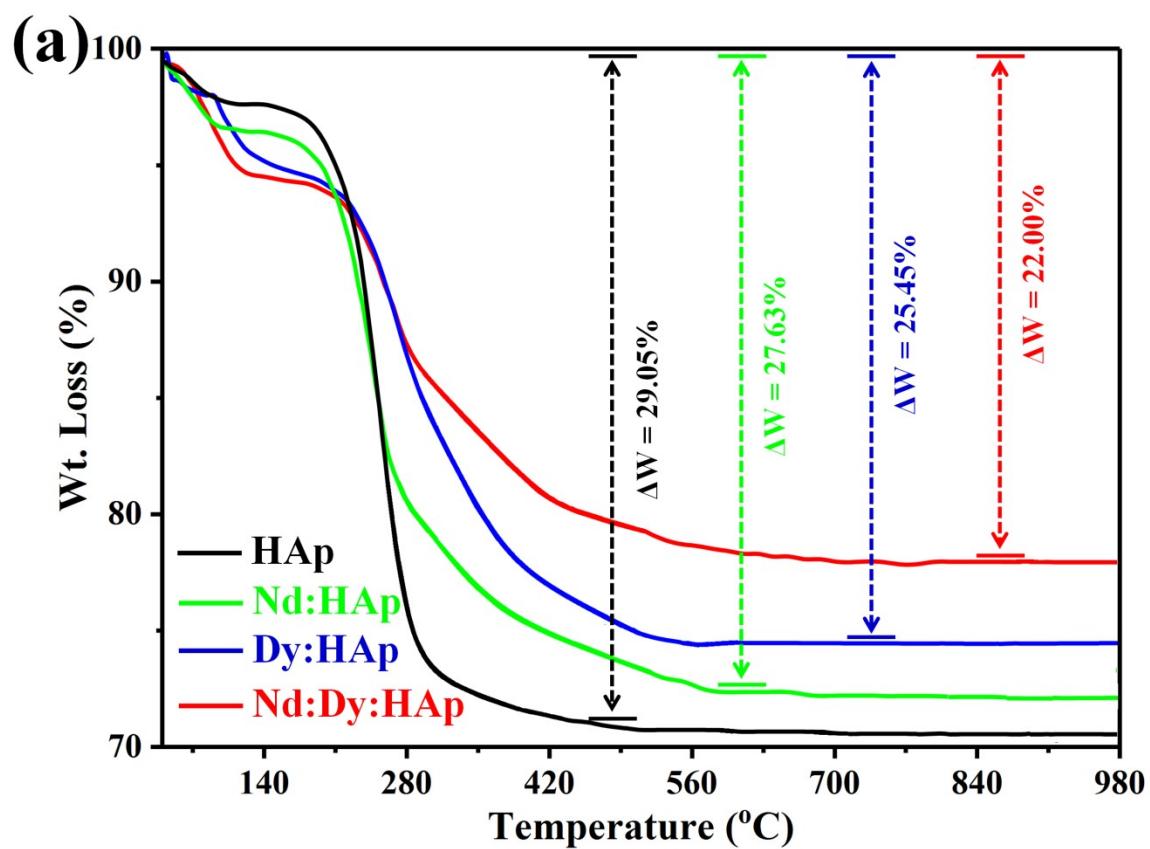


Fig. S4 Plots of (a) TG % weight loss and (b) DTA heat flow of HAp, Nd:HAp, Dy:HAp, & Nd:Dy:HAp.