

Electronic Supplementary Information

Intense up-conversion emission from Er³⁺/Yb³⁺ ions co-doped transparent oxyfluoride glass-ceramics containing Y₅O₄F₇ nanorods for optical thermometry

Zhiyong Zhao,^{a,b} Kai Li,^a Chao Liu,^{a,*} Qiaoyun Yin,^a Jianjun Han,^a Jong Heo^b

^a State Key Laboratory of Silicate Materials for Architectures, Wuhan

University of Technology, 122 Luoshi Road, Hongshan, Wuhan, Hubei

430070, P. R. China

^b Department of Materials Science and Engineering, Pohang University of

Science and Technology (POSTECH), 77 Cheongam-Ro, Nam-gu, Pohang,

Gyeongbuk 790-784, Republic of Korea

*Corresponding authors: Chao Liu (E-mail: hite@whut.edu.cn)

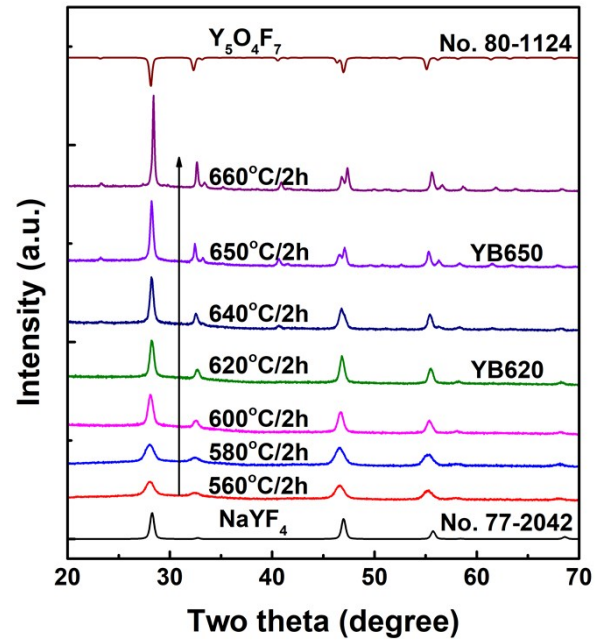


Fig. S1 X-ray diffraction patterns of glass-ceramics heat-treated at different temperatures for 2 h.