

Supporting Information

1532 nm-driven multimode optical thermometry within biological window enabled by Er³⁺ self-sensitized upconversion luminescence

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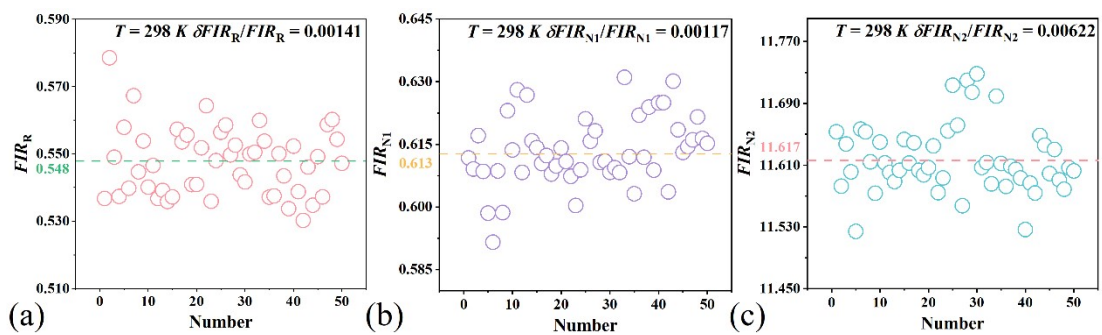


Figure S1 (a) FIR_R , (b) FIR_{N1} and (c) FIR_{N2} values obtained from 50 times' repeated spectral measurement at 298 K.

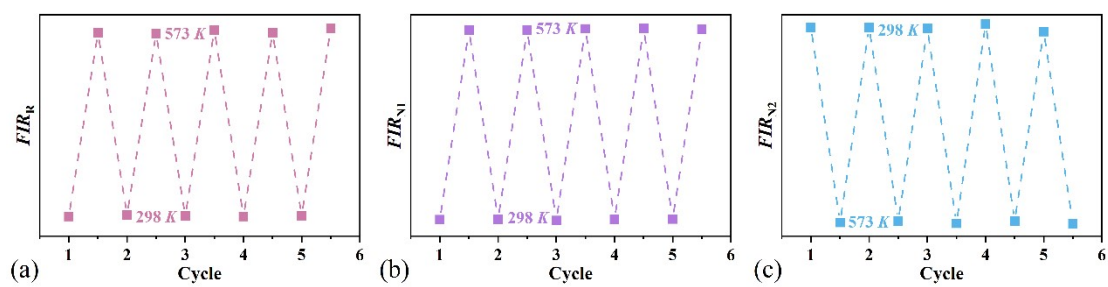


Figure S2 Repeatability studies of FIR_R along with FIR_{N1} and FIR_{N2} from 298 K to 573 K.