Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Supplementary information

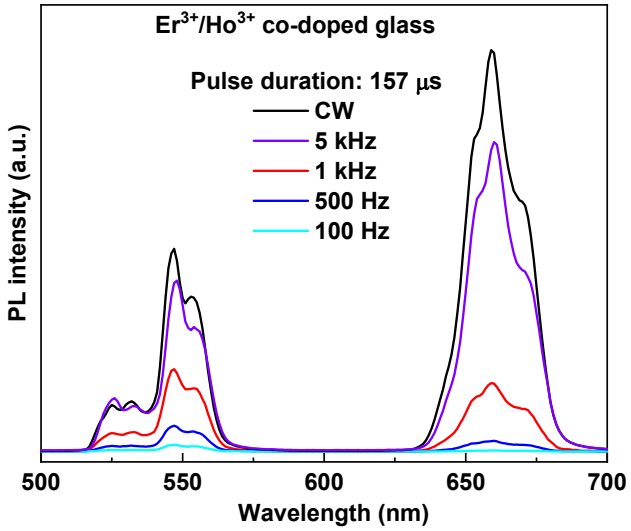

Figure S1. UC PL emission spectra of Er^{3+}/Ho^{3+} co-doped glass obtained under different repetition frequency with a fixed pulse duration of 157 μs.

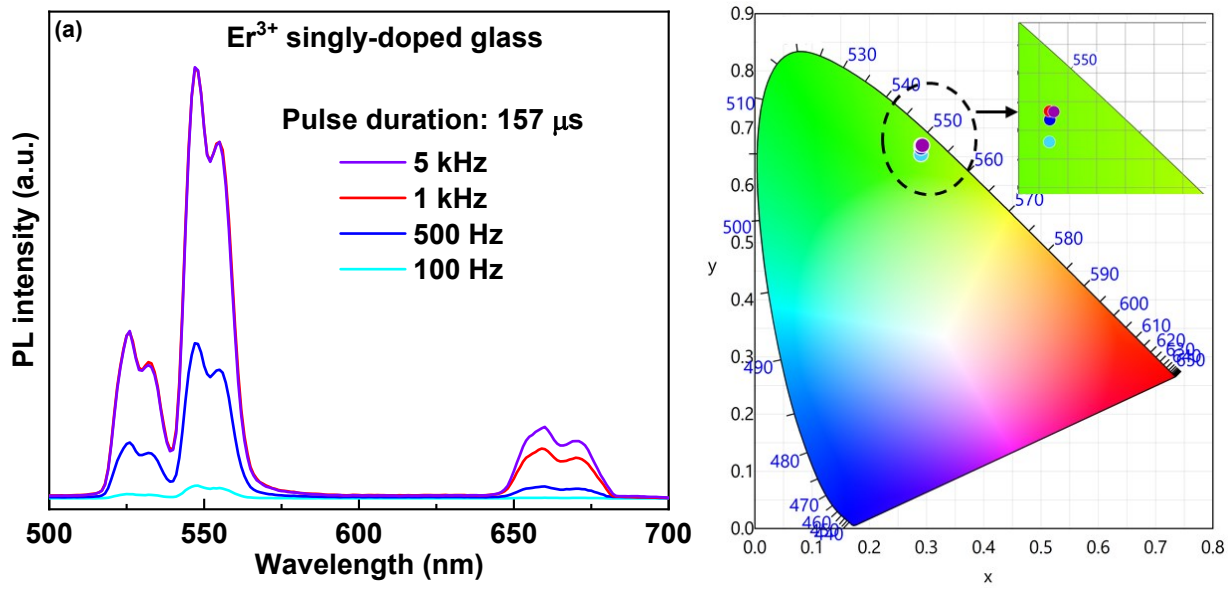

Figure S2. (a) UC PL emission spectra of Er^{3+} singly-doped glass obtained under different repetition frequency with a fixed pulse duration of 157 μs and (b) corresponding CIE chromaticity coordinates.

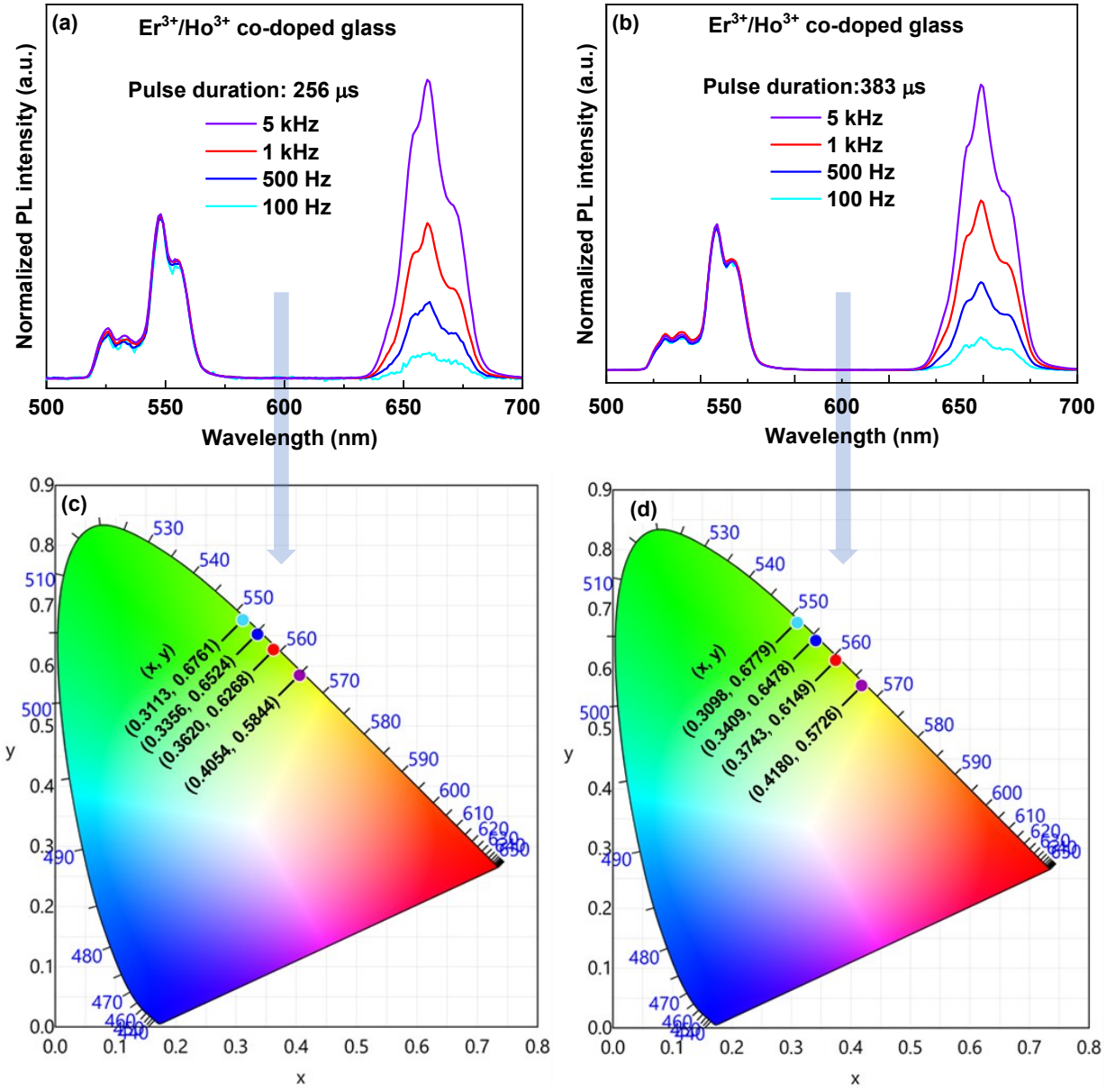

Figure S3. UC PL emission spectra of Er^{3+}/Ho^{3+} co-doped glass obtained under different repetition frequency with a fixed pulse duration of (a) 256 μs and (b) 383 μs, (c) and (d) corresponding CIE chromaticity coordinates.

Table S1. Line strengths of the transitions used in Judd-Ofelt analysis.

Transition	λ (nm)	S_{exp}	S_{theo}
Er^{3+} → Ground state: $^4I_{15/2}$			
$^2H_{11/2}$	519	2.97	2.97
$^4I_{9/2}$	798	0.18	0.20
$^4I_{11/2}$	973	0.30	0.27
$^4I_{13/2}$	1530	1.31	1.32
δ_{rms}		0.0426	
Ho^{3+} → Ground state: $^5I_8$			
$^5G_5$	418	0.97	0.93
$^5F_1 + ^5G_6$	448	7.00	7.00
$^5F_5$	644	0.92	0.97
$^5I_6$	1152	0.41	0.37
$^5I_7$	1947	0.93	0.93
δ_{rms}		0.0540	