

Figure S1

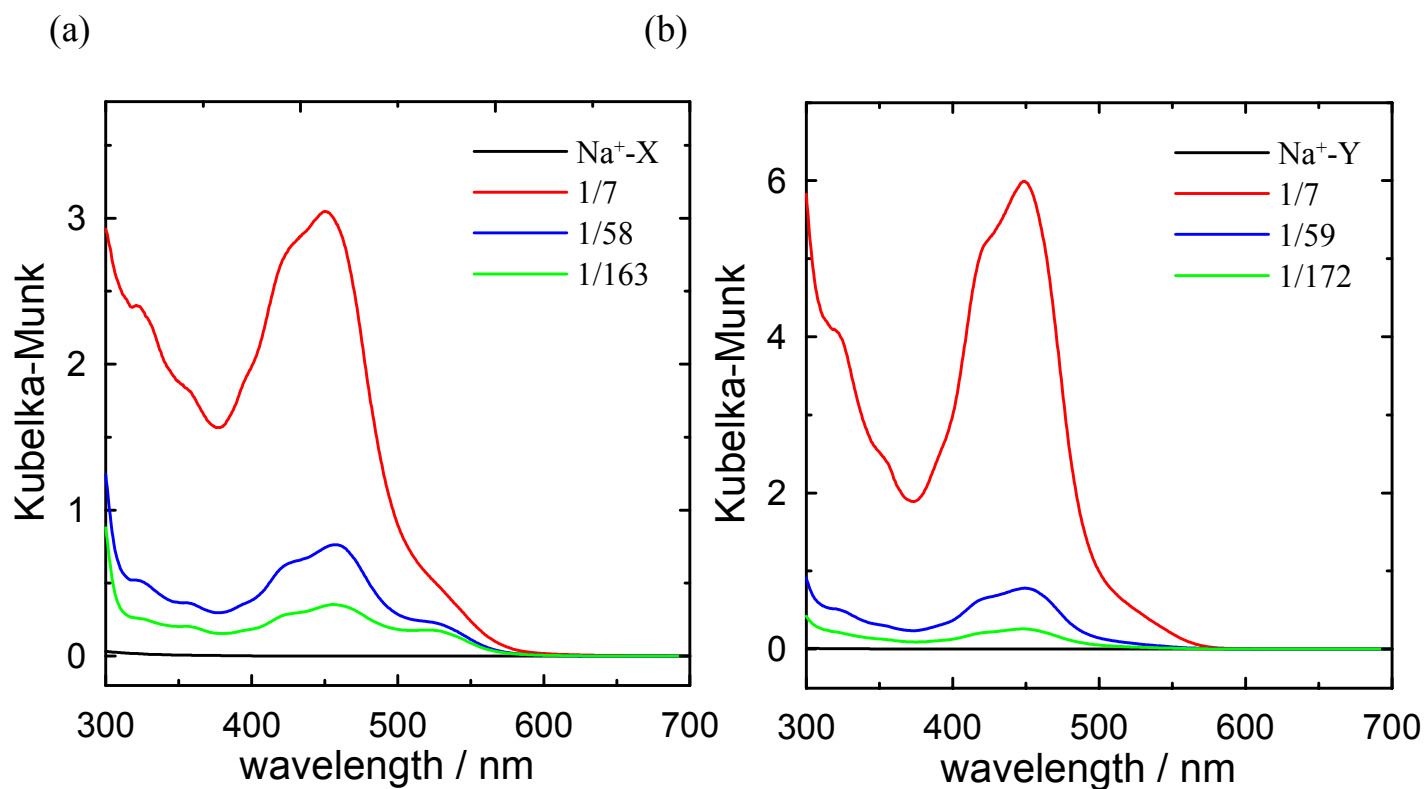


Figure S1 Diffuse reflectance absorption spectra of the MLCT region of Ru(bpy)₃²⁺ in dehydrated zeolites: (a) Na⁺-X and (b) Na⁺-Y at three loading levels.

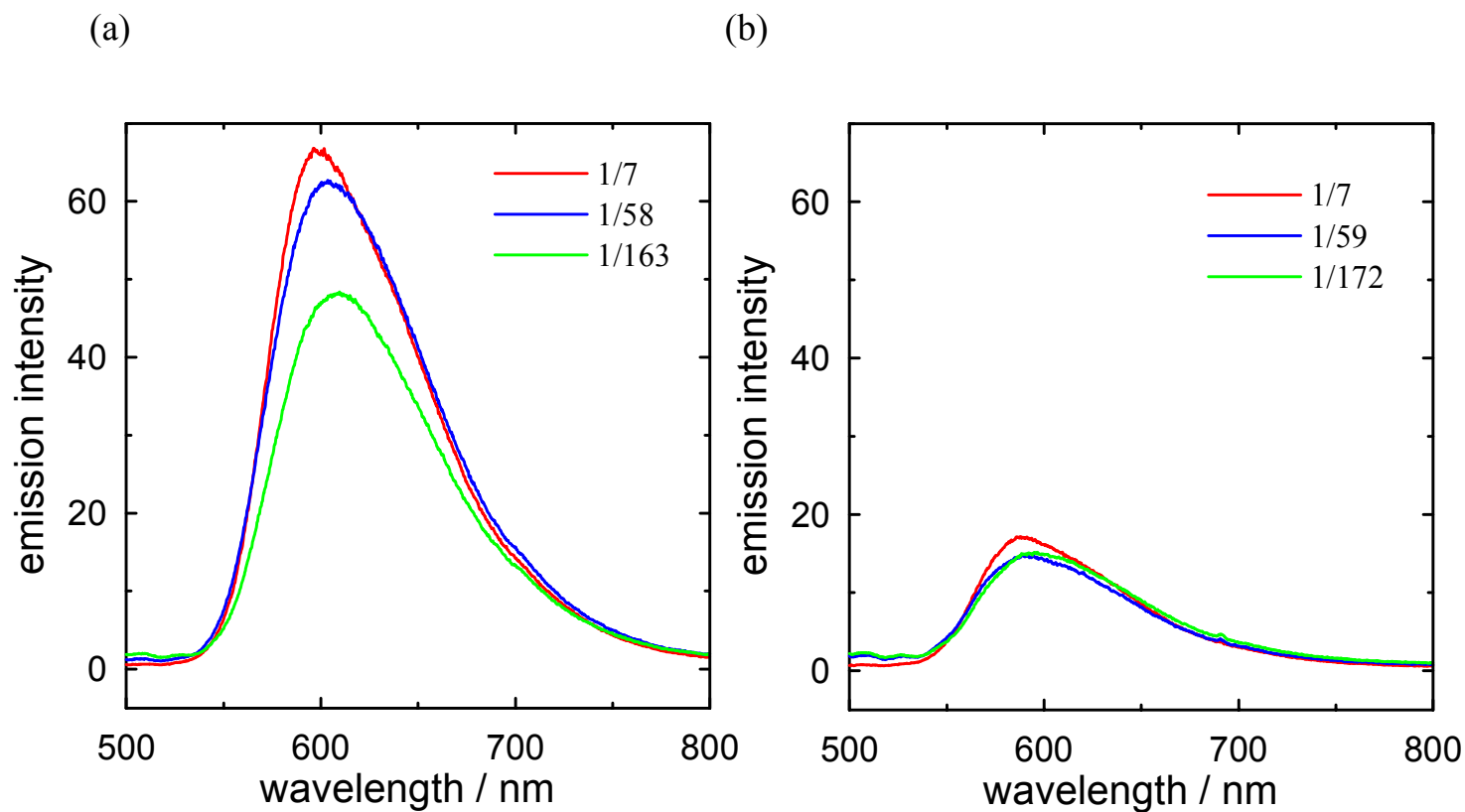


Figure S2 Luminescence spectra of Ru(bpy)₃²⁺ in dehydrated zeolite excited at 460 nm for Na⁺-X (a) and for Na⁺-Y (b), both at three loading levels.

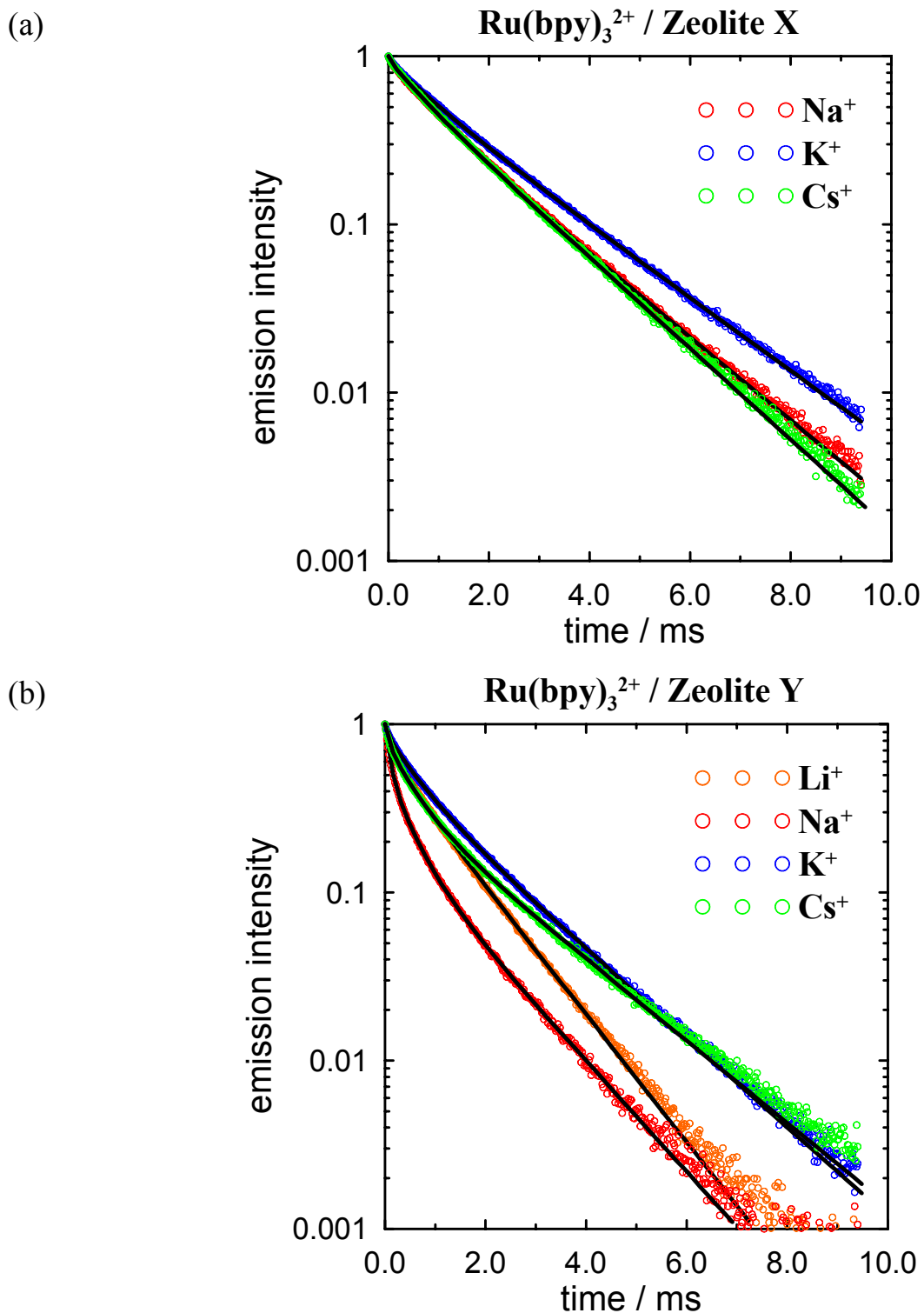


Figure S3

Luminescence

decay curves of Ru(bpy)₃²⁺ in dehydrated alkali metal cation-exchanged zeolites excited at 460 nm (0.50 μJ cm⁻²) and measured at 610 nm: (a) M⁺-X ($\bar{n} = 1/58$) and (b) M⁺-Y ($\bar{n} = 1/59$). Solid curves show the sum of three exponential fitting.