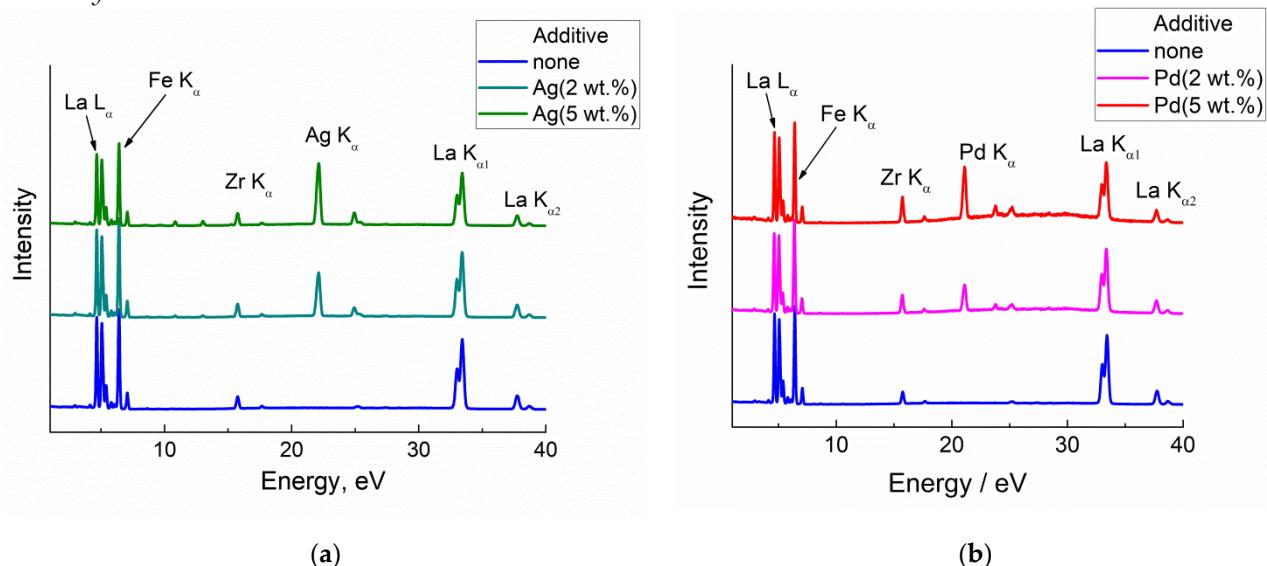
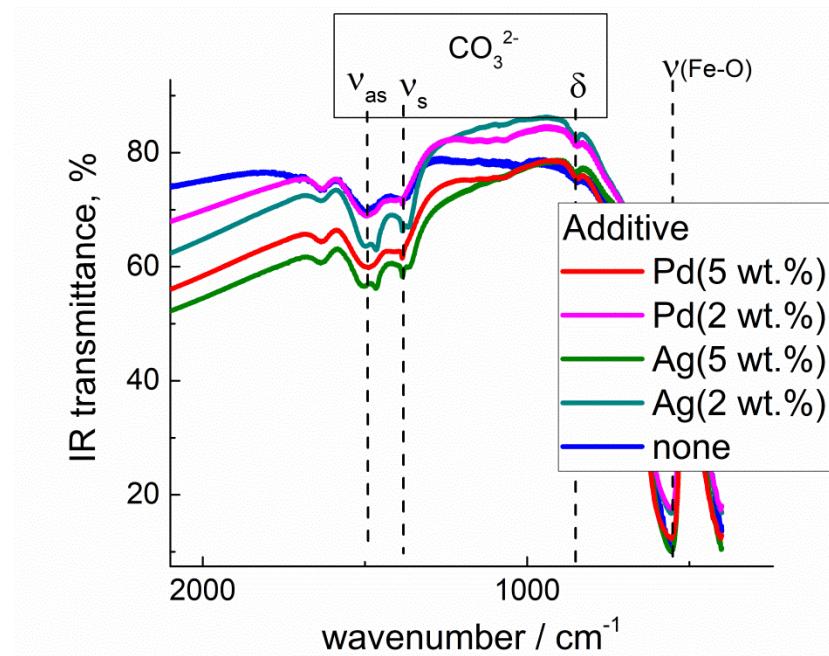


*Supplementary*



**Figure S1.** X-ray fluorescence spectra of pristine LaFeO<sub>3</sub> and Ag-modified LaFeO<sub>3</sub> **(a)**, and Pd-modified LaFeO<sub>3</sub> **(b)**. Peaks of Zr correspond to anode of X-ray emitter tube.



**Figure S2.** Enlarged FTIR spectra of the materials as in Figure 4 in the main text.