

Supporting Information

**Redox-active Porous Coordination Network Film Based on Ru Complex as a Building Block on an ITO electrode**

Takuya Shinomiya,<sup>a</sup> Hiroaki Ozawa,<sup>a</sup> Yuichiro Muto,<sup>a, b</sup> Masa-aki Haga\*<sup>a</sup>

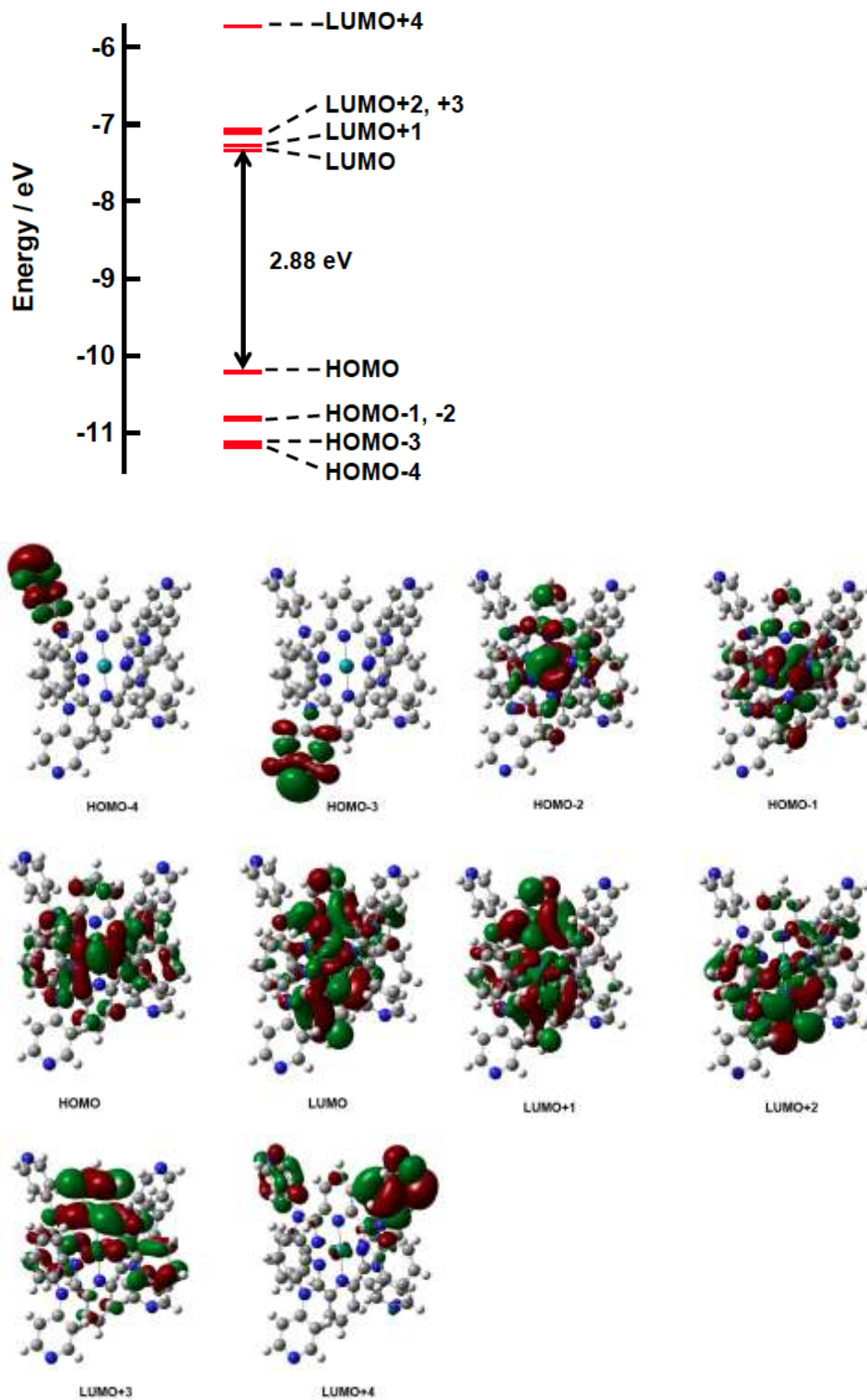


Figure S1. DFT calculation result for [Ru(py-pbip)<sub>2</sub>]<sup>2+</sup>.

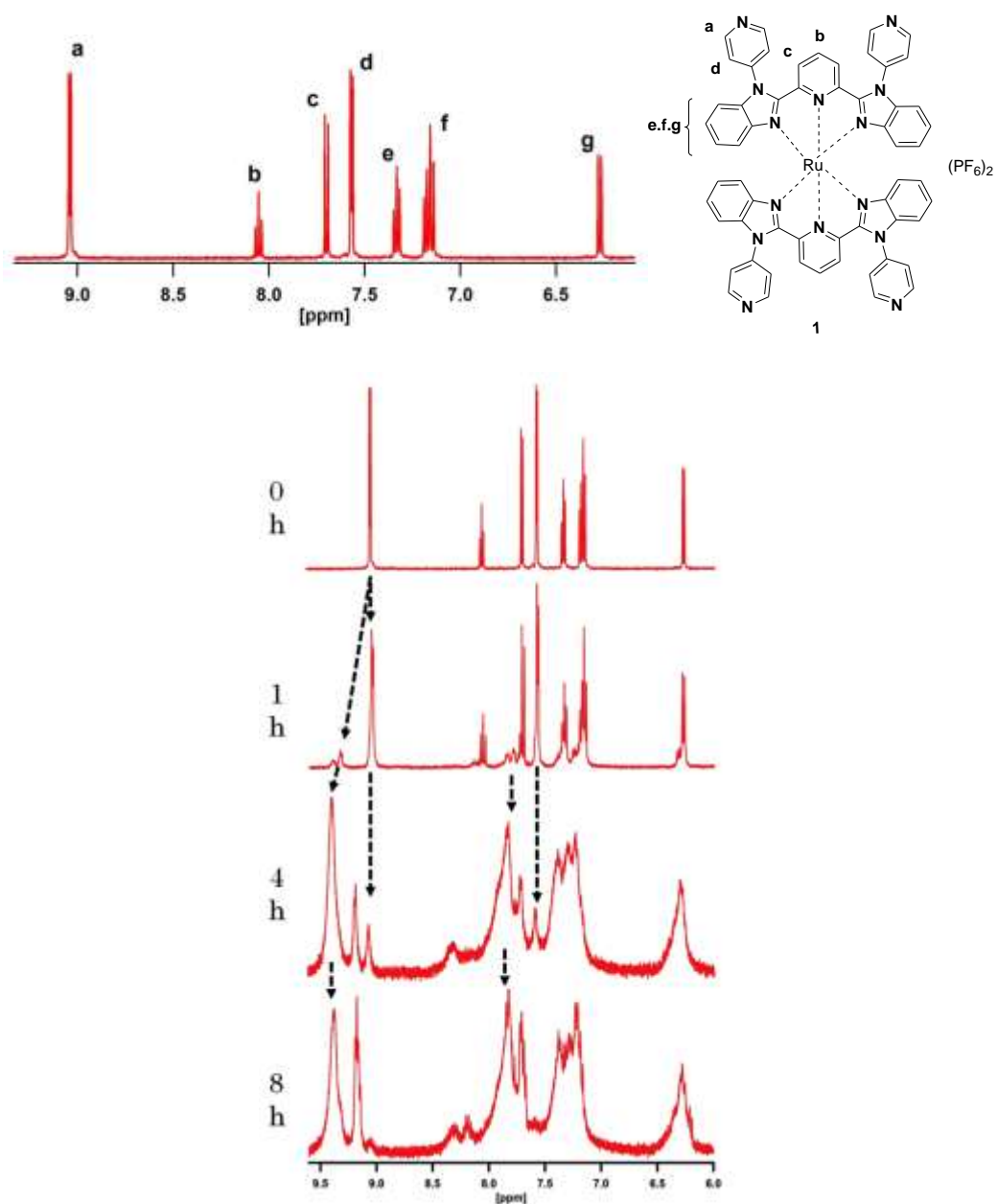


Figure S2.  $^1\text{H}$  nmr of  $[\text{Ru}(\text{py-pbip})_2]^{2+}$  and the temporal change upon the addition of 2 equivalents of  $\text{PdCl}_2$ .

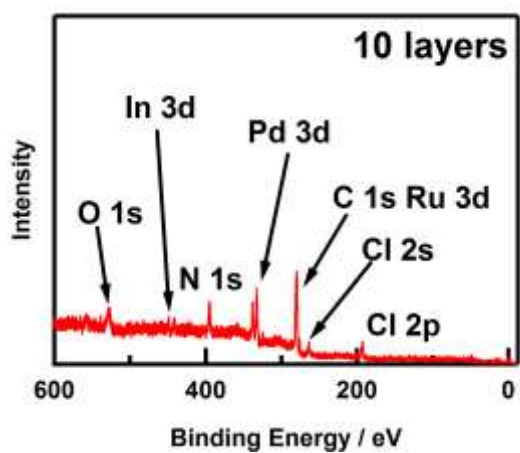
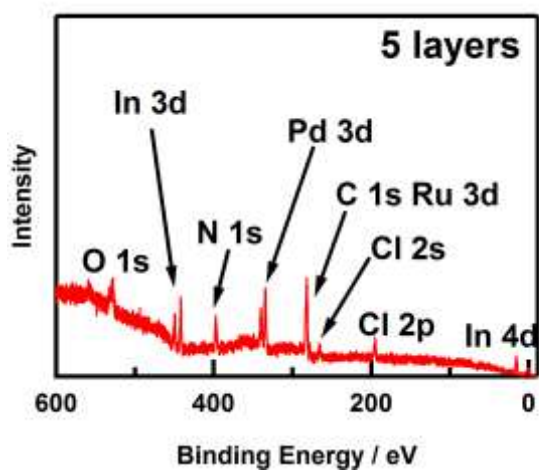
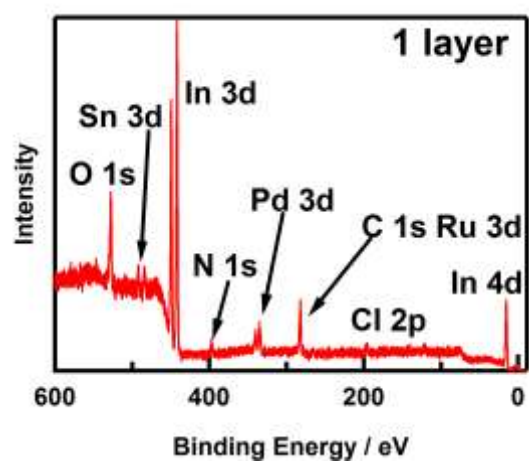


Figure S3 XPS spectra of the Ru-Pd framework thin film modified on ITO surface with different number of layers