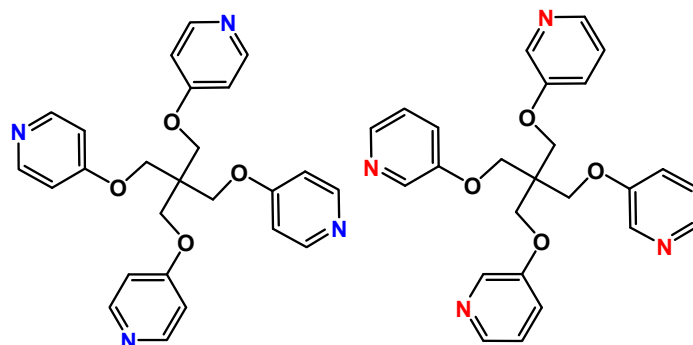


Two novel interpenetrating Ag(I) coordination architectures constructed from semi-rigid tetra-pyridinate ligands

Wen-Jing Yu,^{a,‡} Fan Yu,^{b,‡} Tao-Tao Ding,^a Bao Li,^{a,*} Tian-Le Zhang^{a,*}

^a College of Chemistry and Chemical Engineering, Huazhong University of Science and Technology, Wuhan, Hubei 430074, P. R. China; ^b School of chemistry and environmental engineering, Jiangnan University, Wuhan, Hubei 430056, P.R. China



Scheme S1. the ligands used in this work

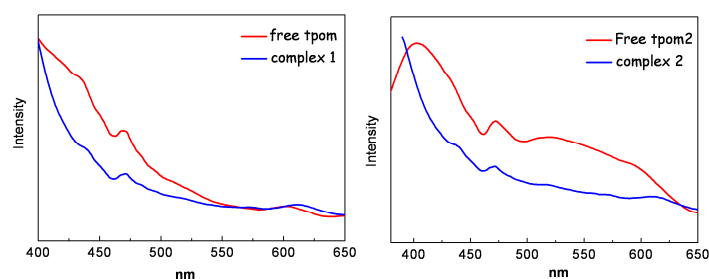


Figure S2. luminescent properties of these compounds: The photoluminescent properties of free ligand tpom, tpom2, complex **1** and **2** were investigated. The results show that no obvious intense emissions were observed, except for free ligand tpom2 that exhibits the emission band with a maximum at 402 nm ($\lambda_{\text{ex}}=360$ nm) which can be ascribed to π - π^* transitions of the ligands. However, in complex **2**, no obvious emissions were observed which might be caused by the coordination environment that changes the radiationless pathway.¹

Reference

S(1) Valeur, B. Molecular Fluorescence: Principles and Applications; Wiley-VCH: New York, 2001.

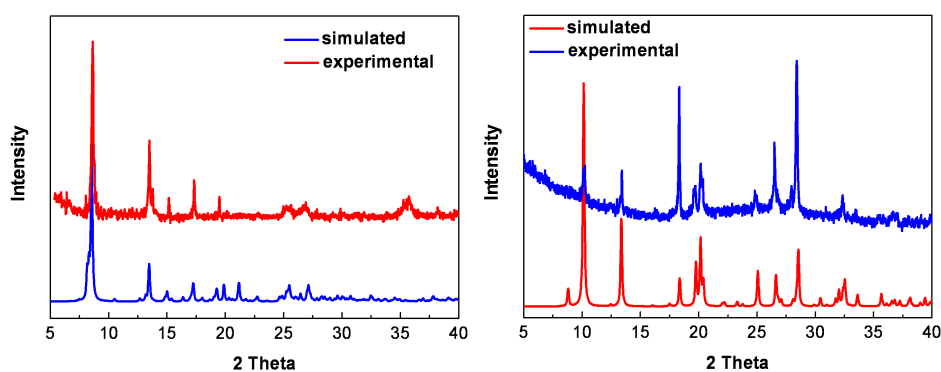


Figure S3. XRD spectra of **1** (left) and **2** (right)

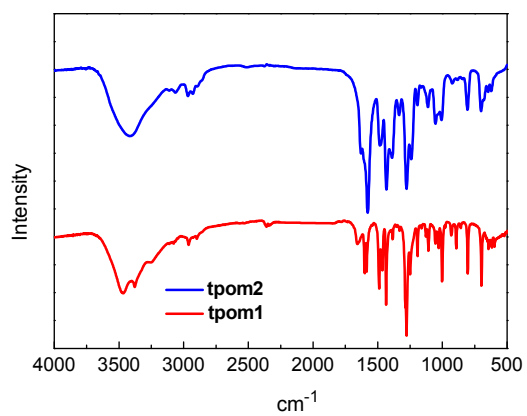


Figure S4. IR spectra of tpom1 and tpom2.

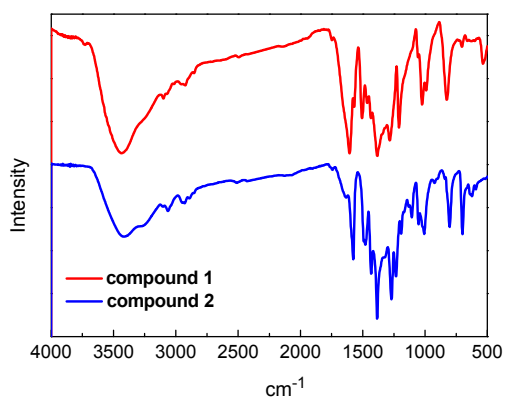


Figure S5. IR spectra of 1 and 2