Supporting Information for

Synthesis, structures and magnetism of four one-dimensional materials using $[Ni(CN)_4]^{2-}$ and macrocyclic metal complexes

Guang-Chuan Ou*, Qiong Wang, Ying-Zhi Tan, Qiang Zhou and Fei Zeng

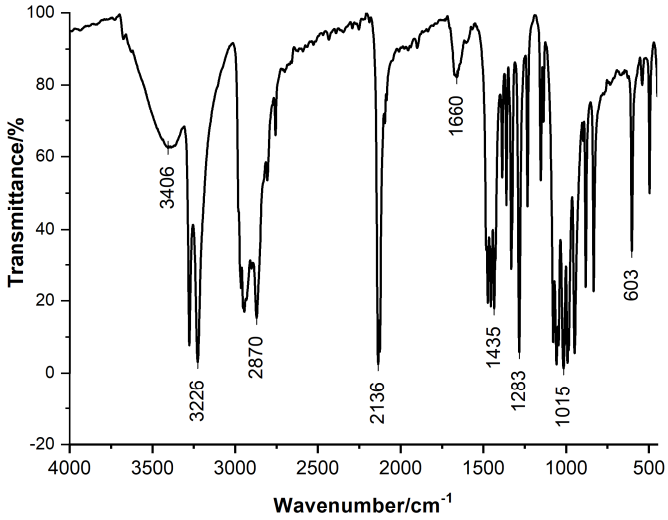


Figure S1. The infrared spectra of complex **1.**

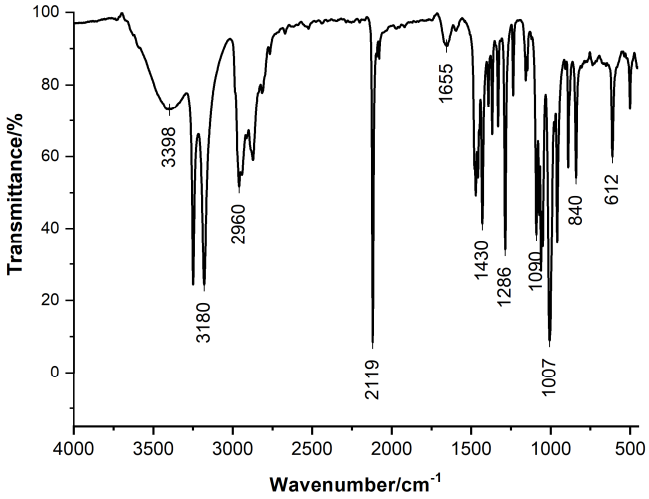


Figure S2. The infrared spectra of complex **2.**

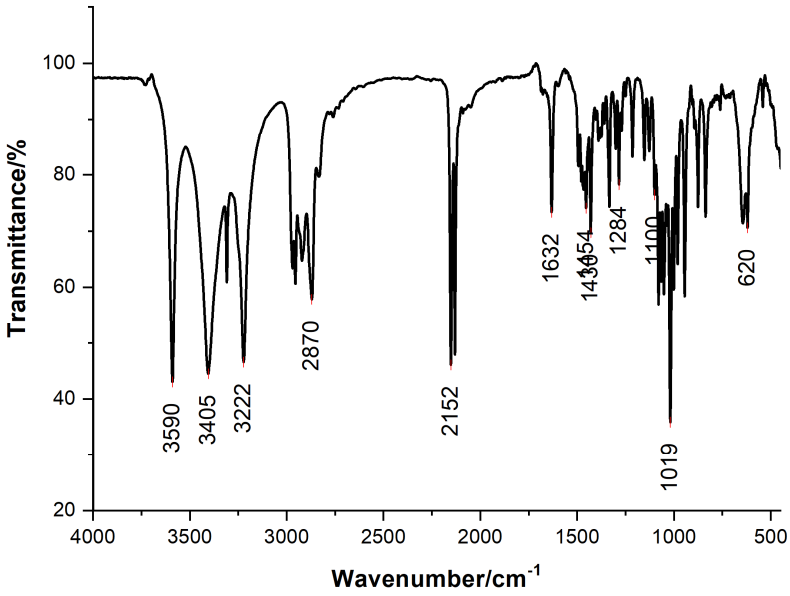


Figure S3. The infrared spectra of complex **3.**

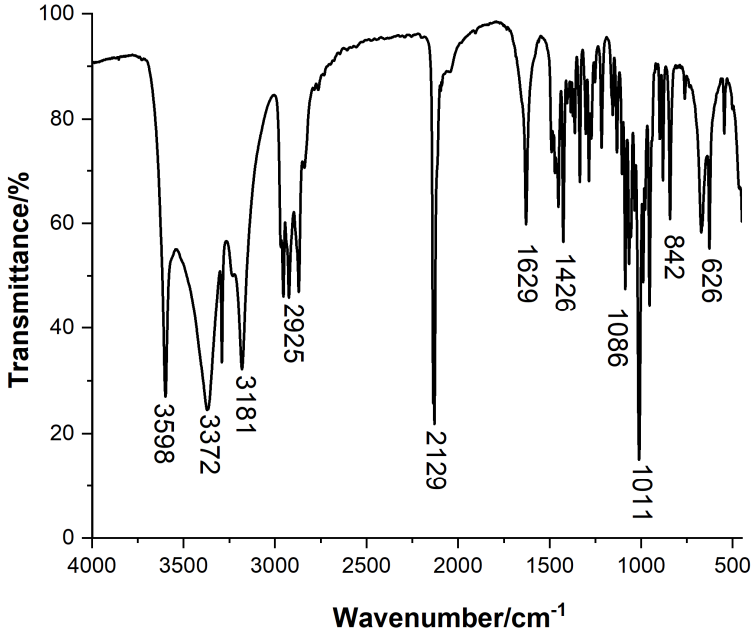


Figure S4. The infrared spectra of complex **4.**