

Electronic Supplementary Information (ESI) for

**Ionothermal synthesis of a new (4, 12)-connected heterometallic
iodoplumbate with [Pb₄(OH)₄] cubane as jointing points of helices**

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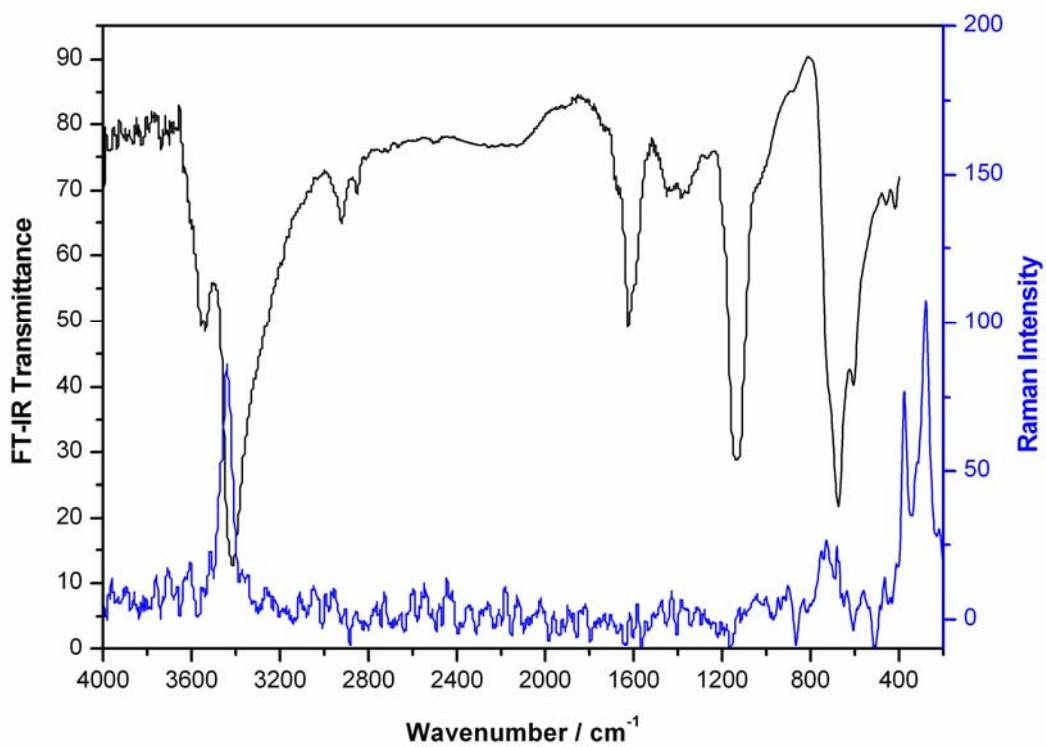


Fig. S1 IR (black) and Raman (blue) spectra of compound 1.

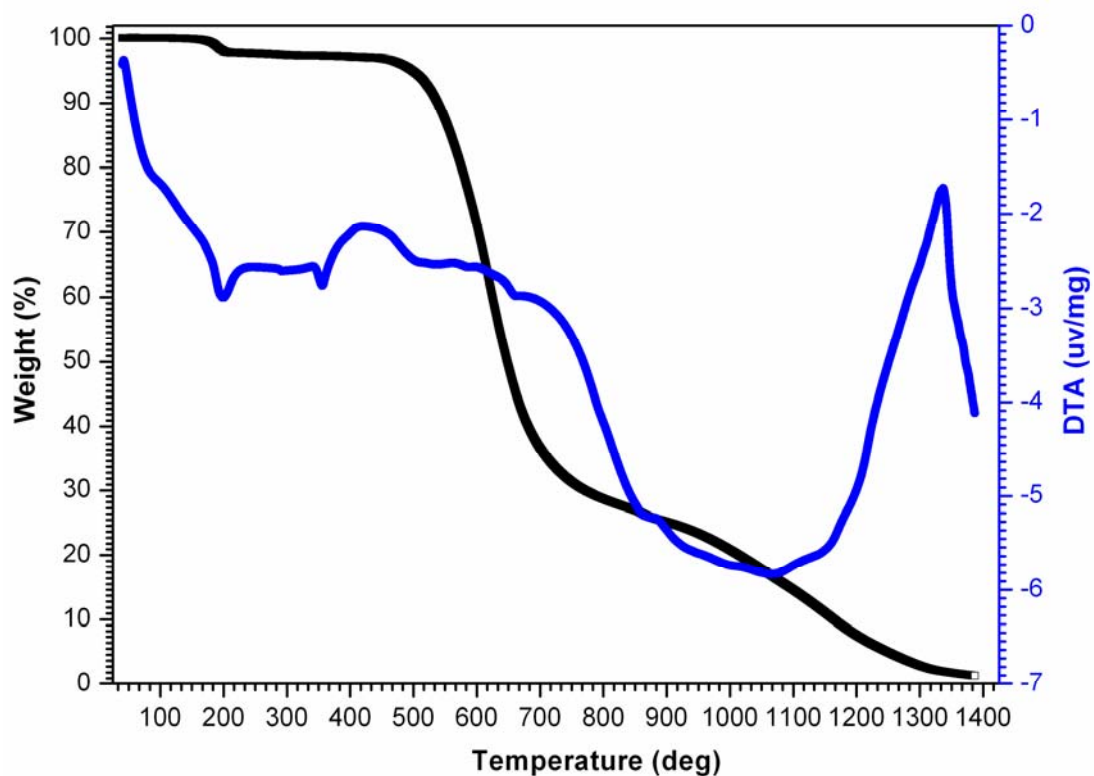


Fig. S2 TG/DTA curves of compound 1.

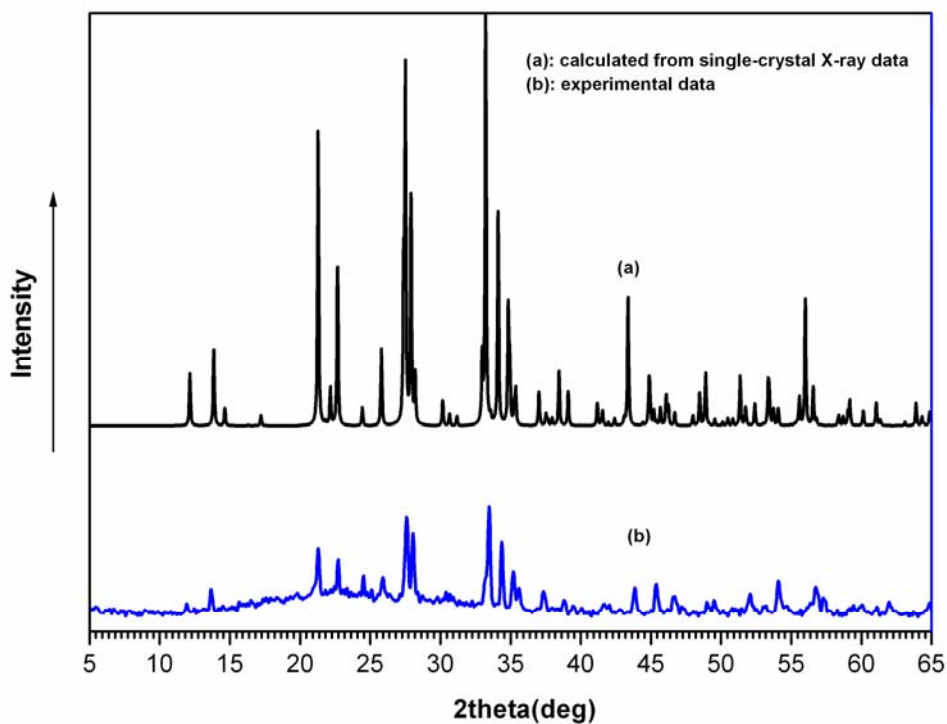


Fig. S3 X-ray powder diffraction pattern for 1.

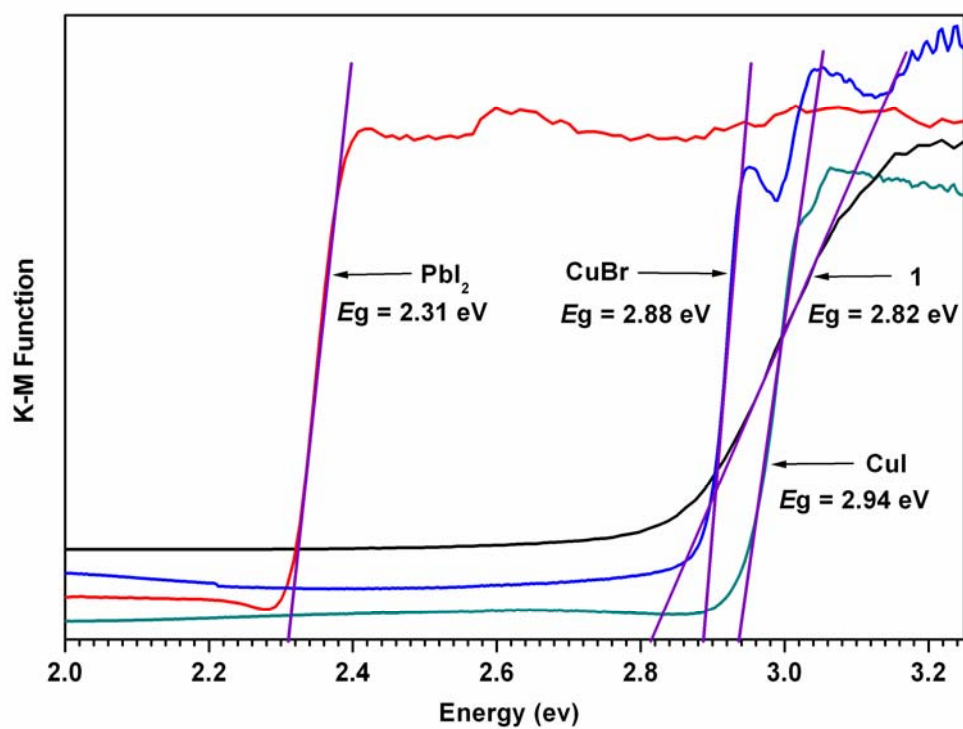


Fig. S4 Optical absorption spectra for solid samples of PbI_2 , CuBr , CuI and 1.

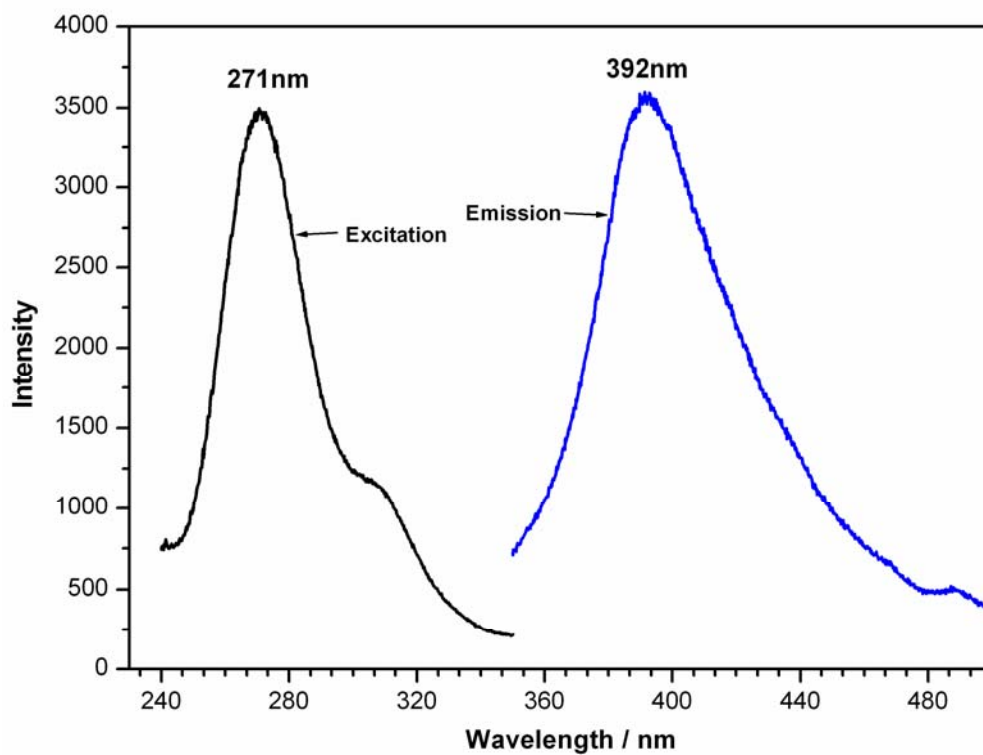


Fig. S5 Solid state emission spectra of 1.

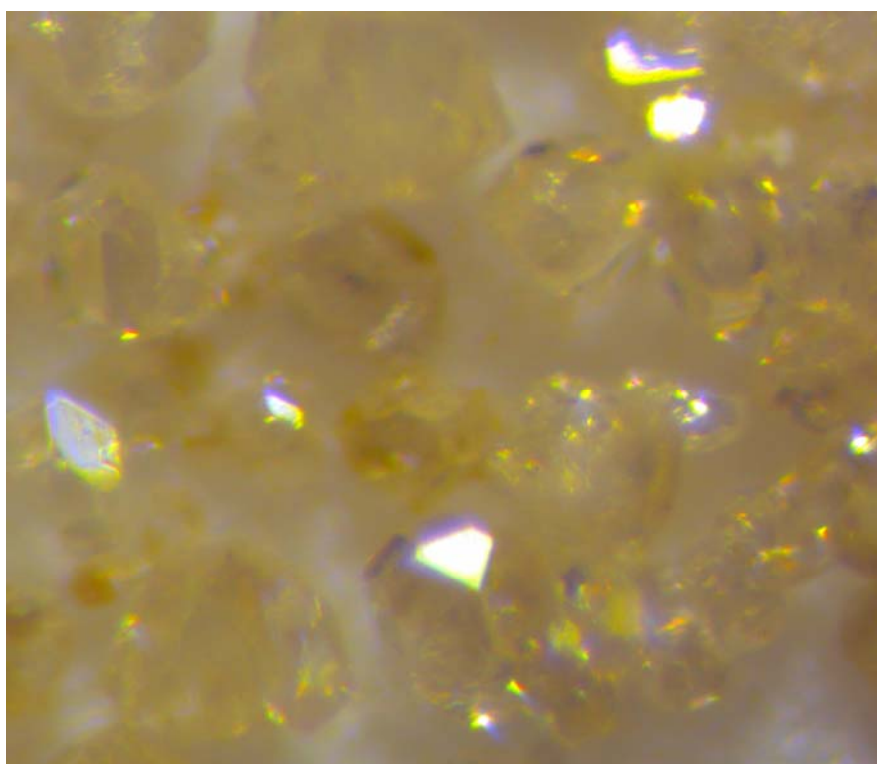


Fig. S6 The light yellow polyhedral pure phase crystals of 1.