

Supplemental materials

Structures and Properties Variations of Lead Iodide–Organic Coordination Polymers Tuned by Substituted Groups on Phenanthroline

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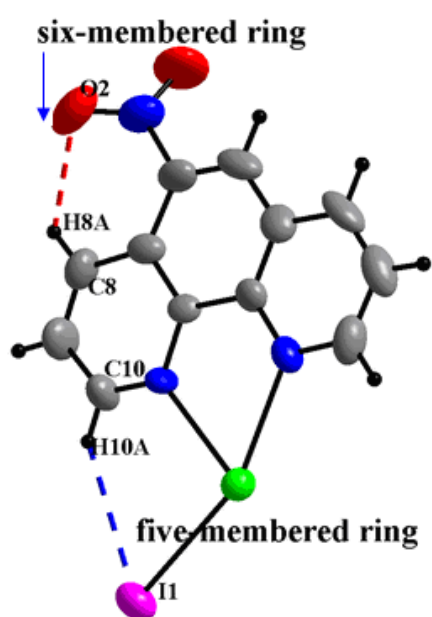
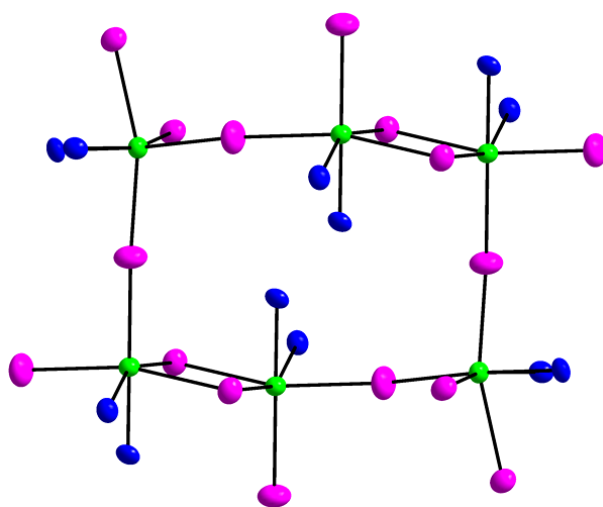
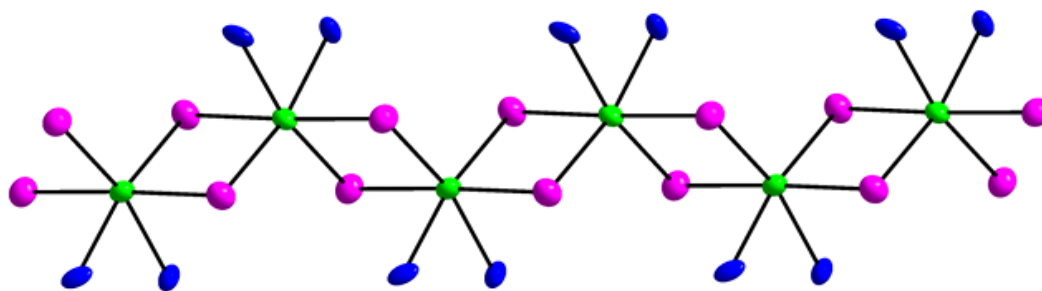


Fig.S1 Six- and five-membered rings based on C(8)-H(8A)···O(2) and C(10)-H(10A)···I(2) intra-layer H-bonds in 1

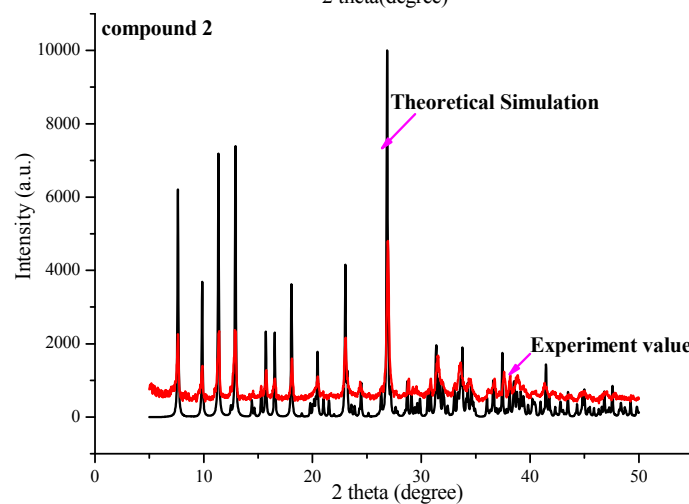
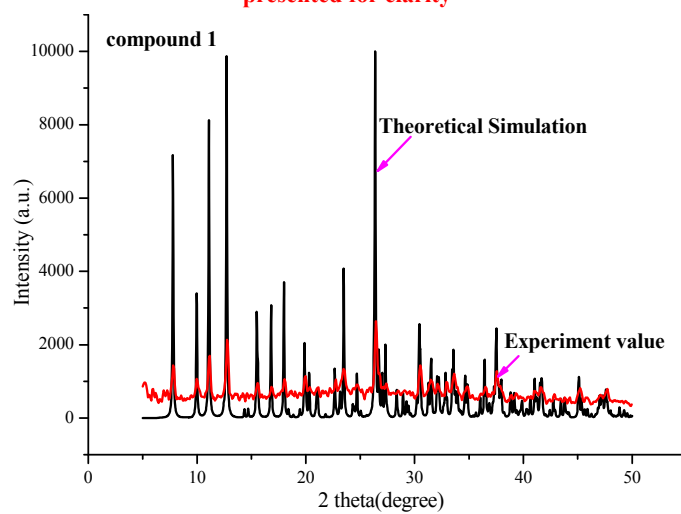


(a)



(b)

Fig.s2 Six-metal-centered models: (a) $Pb_6I_{16}L_6$ model for EWG-substituted situation; (b) $Pb_6I_{14}L_6$ models for EDG-substituted situation (L =substituted phenanthroline ligands), only coordinated N atoms of ligands are presented for clarity



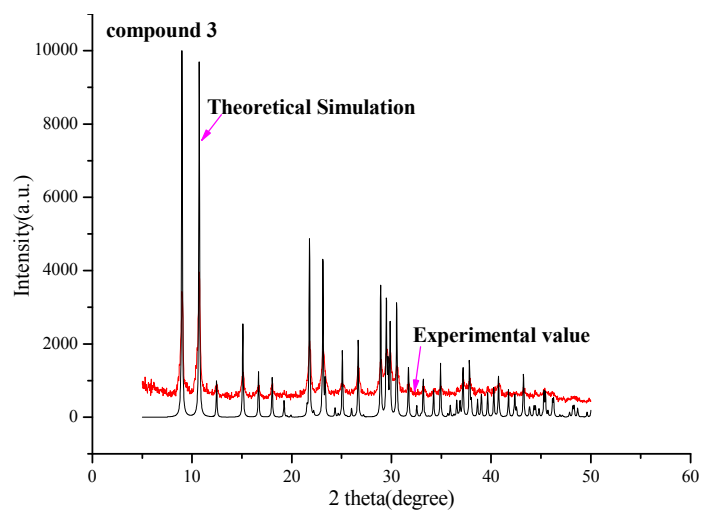


Fig.s3 X-ray powder diffraction (XRD) patterns of 1-3