

ESI for b813701n

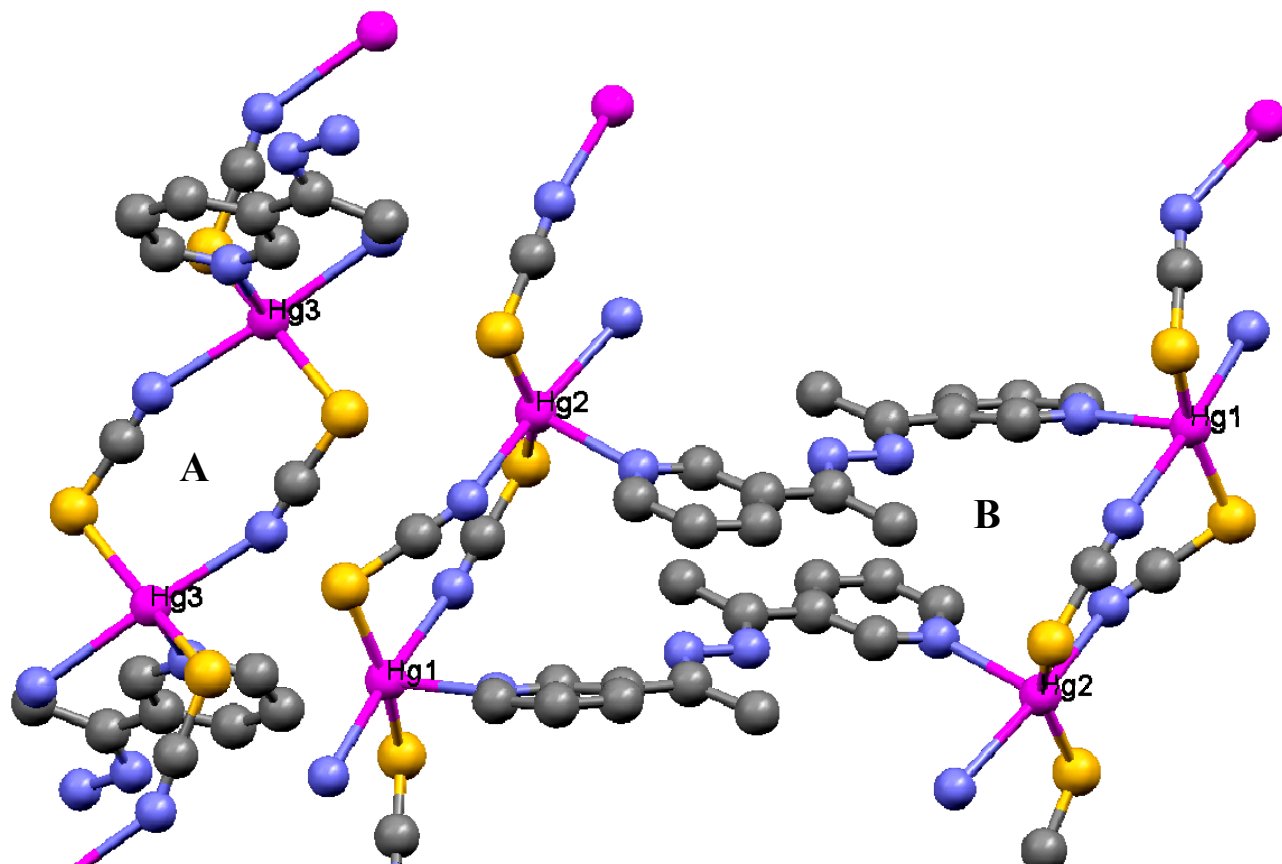


Fig. S1. Molecular view of the repeating unit and view of the Hg1, Hg2 and Hg3 environments in $[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_n[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_{2n}$ (**2**).

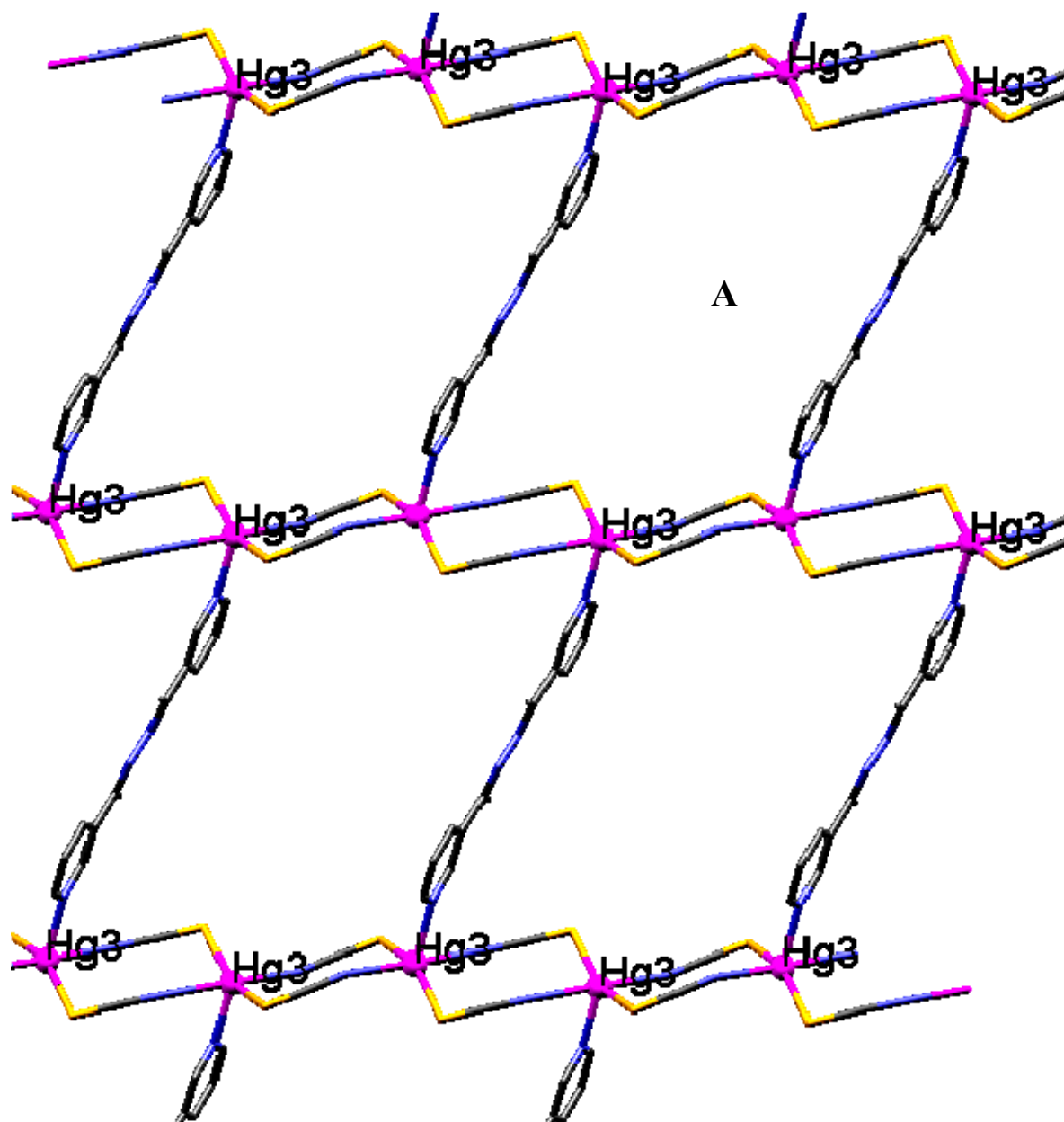


Fig. S2. View of the two-dimensional network (part A) for $[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_n[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_{2n}$ (**2**).

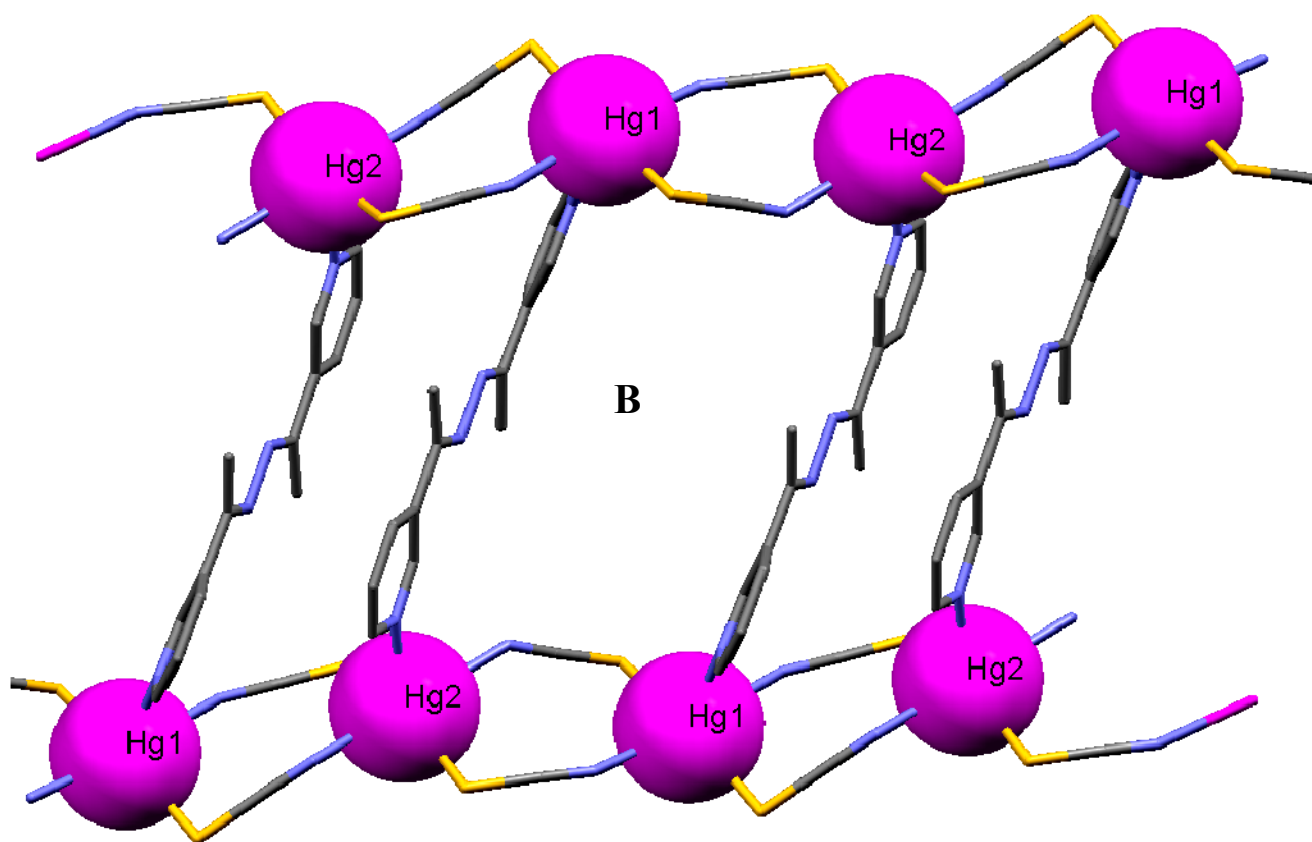


Fig. S3. View of the one-dimensional double-chain (part **B**) for $[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_n[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_{2n}$ (**2**).

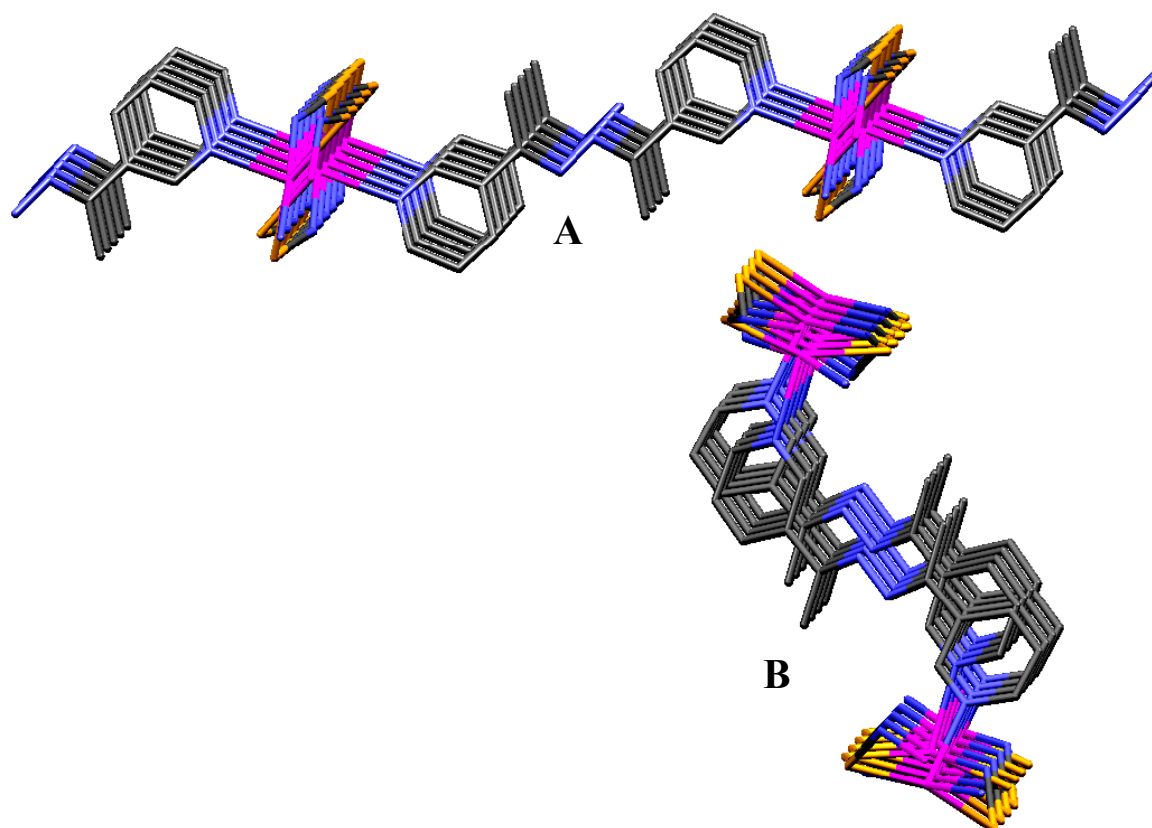


Fig. S4. View of the two- and one-dimensional networks (parts **A** and **B**) for $[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_n[\text{Hg}_2(\mu\text{-L}_5)(\mu\text{-SCN})_4]_{2n}$ (**2**).

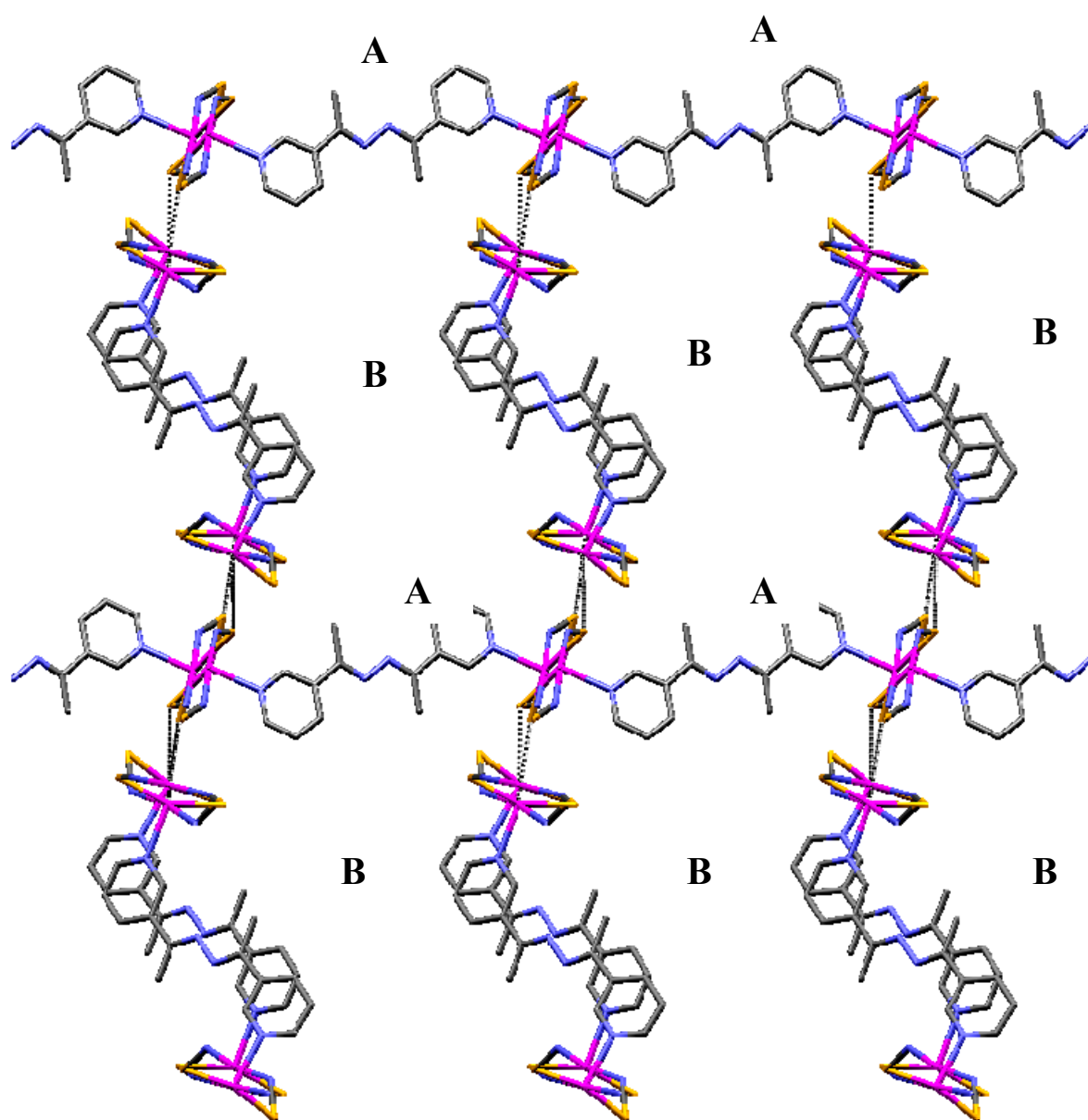


Fig. S5. Representation of Hg...S interactions in two adjacent 1D (part **B**) and 2D (part **A**) coordination polymer of compound **2**.