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SUPPLEMENTARY INFORMATIONS

New Ni(II) 1,2-bis(diphenylphosphino)ethane dithiolates: Crystallographic, computational and Hirshfeld surface analyses

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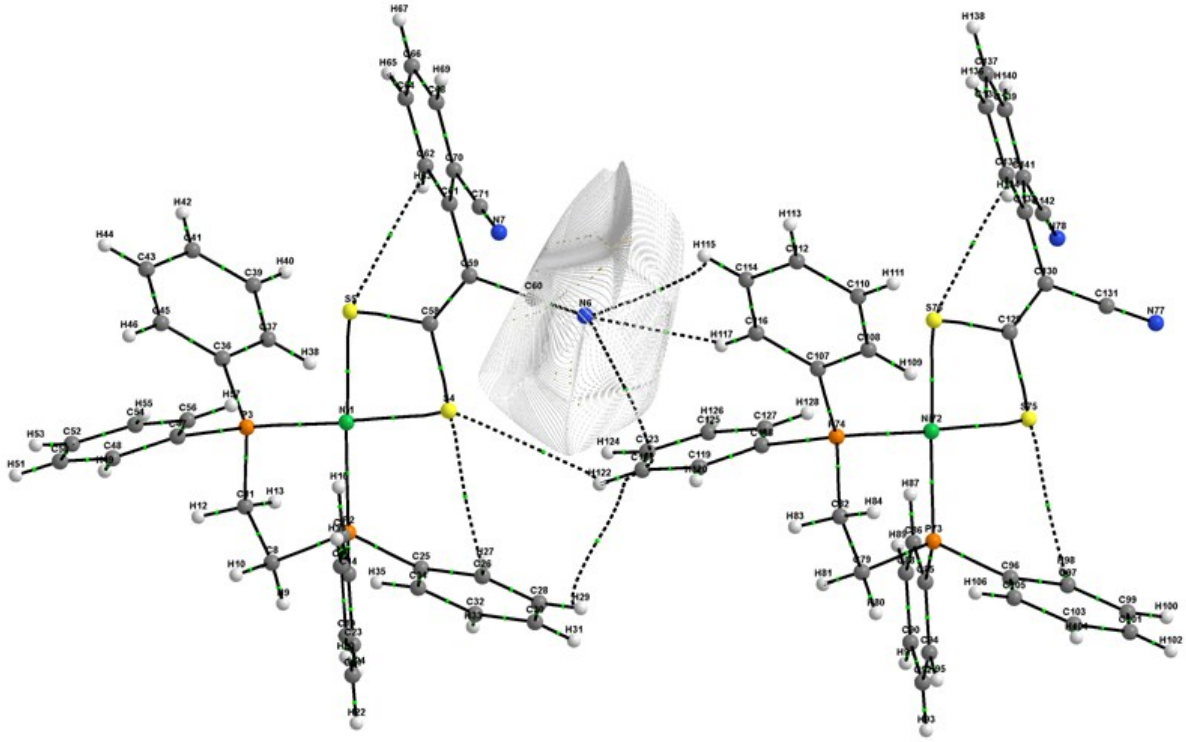

Fig. S1 Molecular graphs for **2** displaying intermolecular (a) C≡N···H interaction alongwith the interatomic surface of interest.

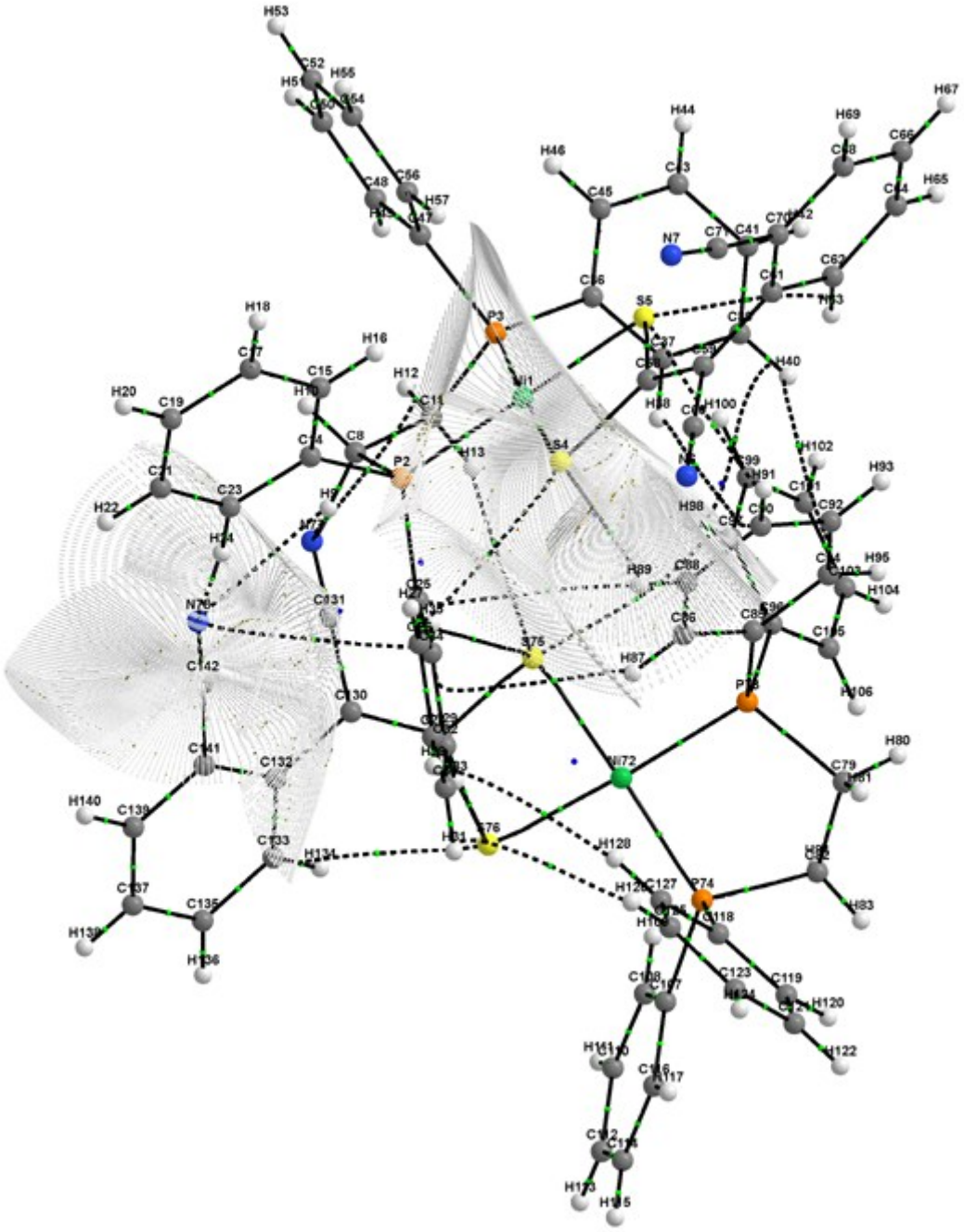

Fig. S2 Molecular graphs for **2** displaying intermolecular C-S···H, C≡N···H interaction alongwith the interatomic surface of interest.

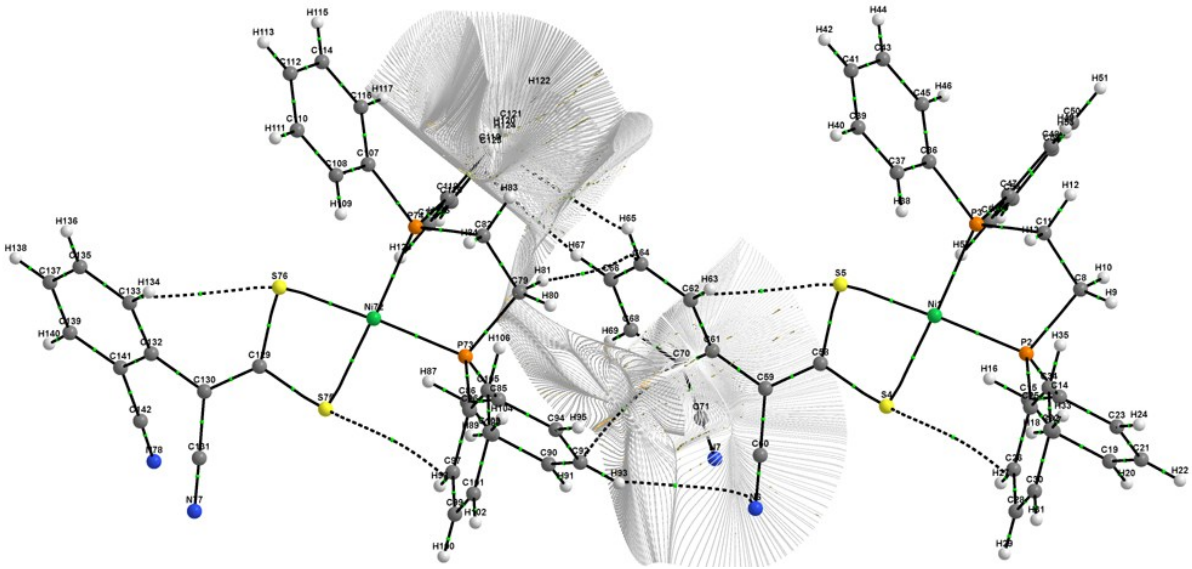

Fig. S3 Molecular graphs for **2** displaying intermolecular π··· π and C-H··· π interactions alongwith the interatomic surface of interest.

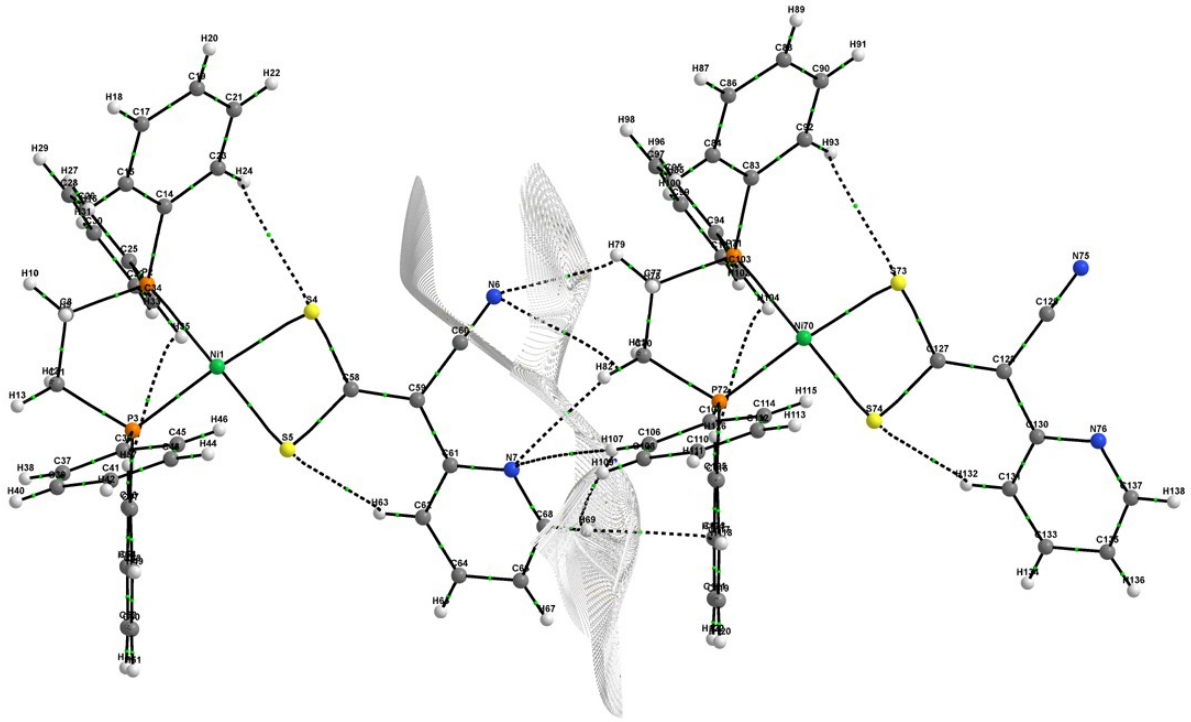

Fig. S4 Molecular graphs for **3** displaying intermolecular C≡N···H; (py)N···H; C-H··· π interactions alongwith the interatomic surface of interest.

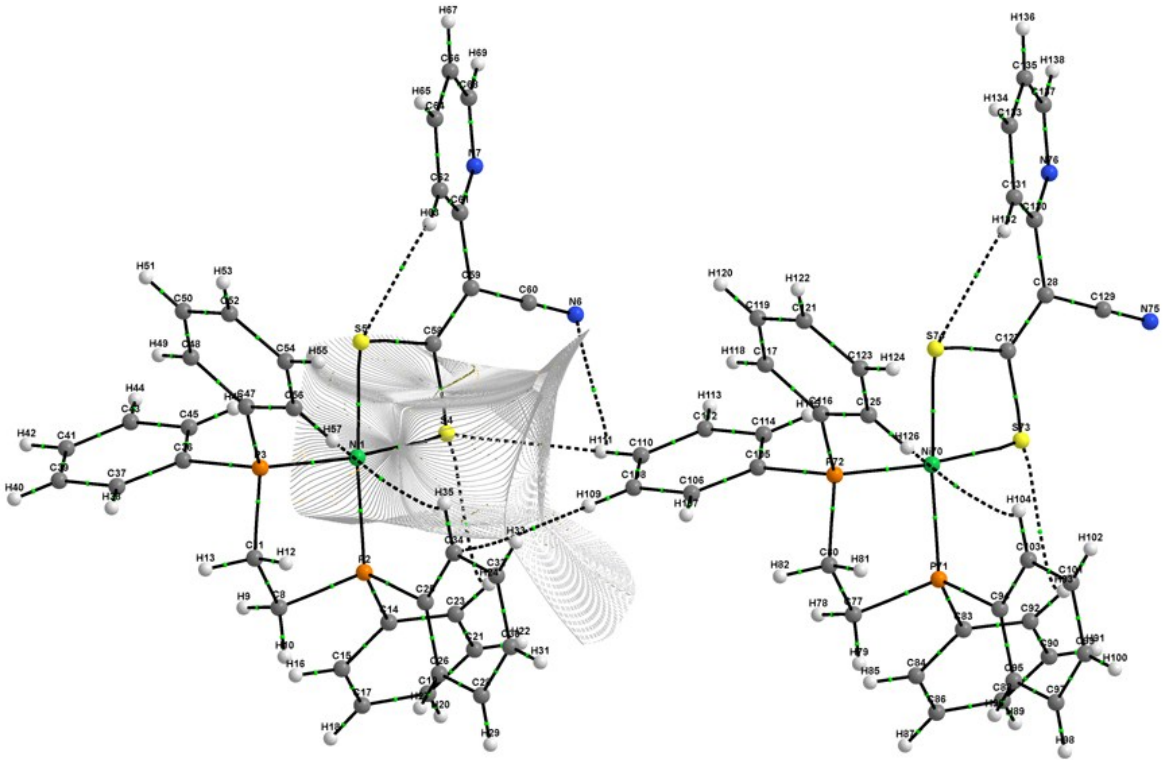

Fig. S5 Molecular graphs for **3** displaying intermolecular C-S···H interaction alongwith the interatomic surface of interest.