Supplementary Figures

Cadmium Bis(4-pyridylformyl)piperazine Coordination Polymers: Layered Nets and a Novel 3,5-Connected Binodal Lattice

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Figure S1. Powder XRD spectrum of 1. Predicted peaks from the single crystal structures are shown as thin lines.
Figure S2. Powder XRD spectrum of 2. Predicted peaks from the single crystal structures are shown as thin lines.
C16 H16 Cd N6 O8

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Figure S3. Powder XRD spectrum of 3. Predicted peaks from the single crystal structures are shown as thin lines.
Figure S4. Powder XRD spectrum of 4. Predicted peaks from the single crystal structures are shown as thin lines.
Figure S5. AAA stacking pattern of layers in 1.

Figure S6. AAA stacking pattern of layers in 2.
Figure S7. Polymeric layer motif in 3.
Figure S8. $4.8^2$ topology 3-connected cadmium sulfate layer in 4.
Figure S9. IR spectrum of 3 after immersion in 3.0 M NaNO₃ (aq) for 48 h.
STANDARD PROTON PARAMETERS

Pulse Sequence: s2pul
Solvent: CDCl3
Temp. 25.0 C / 298.1 K
UNITYplus-500  "mut"
Relax. delay 10.000 sec
Pulse 58.4 degrees
Acq. time 4.000 sec
Width 8000.0 Hz
16 repetitions
OBSERVE  H1, 499.7356771 MHz
DATA PROCESSING
FT size 131072
Total time 3 min, 44 sec

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