Figure S1: Molecular view of compound **6**·tptz. For clarity, only non-carbon atoms have been labelled and hydrogen atoms omitted. Displacement ellipsoids are drawn at 50% probability

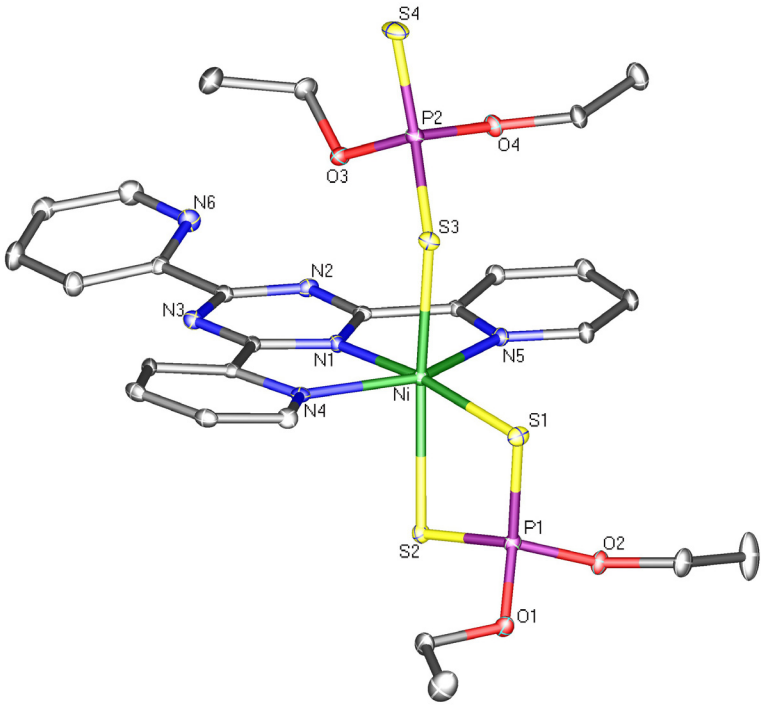

Figure S2: Packing view of compound **2**·tptz showing interacting layered piles: C7–H7b···N6: 2.87, 3.360(3), 114; C32–H32···S4: 2.85, 3.559(3), 134; C25–H25···O2: 2.58 Å, 3.427(4) Å, 152.0°. Hydrogen atoms not involved in the showed interactions have been omitted for clarity reasons.

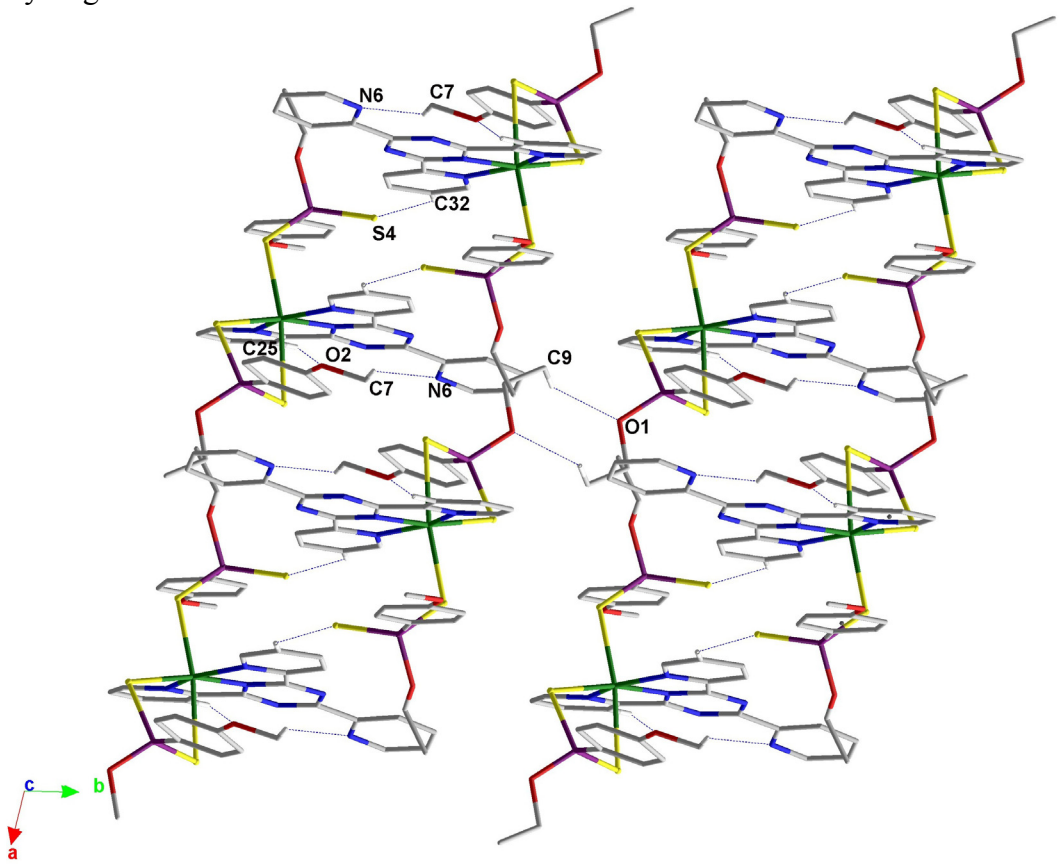

Figure S3: Packing views of compound **4**·tptz showing: (a) piles running in the direction of axis *c* positioned in order to enhance π-π interactions between adjacent piles (inset, **a**: 3.63, 69; **b**: 3.87, 166; **c**: 3.50 Å, 149°); (b) view of the piles along *c*.

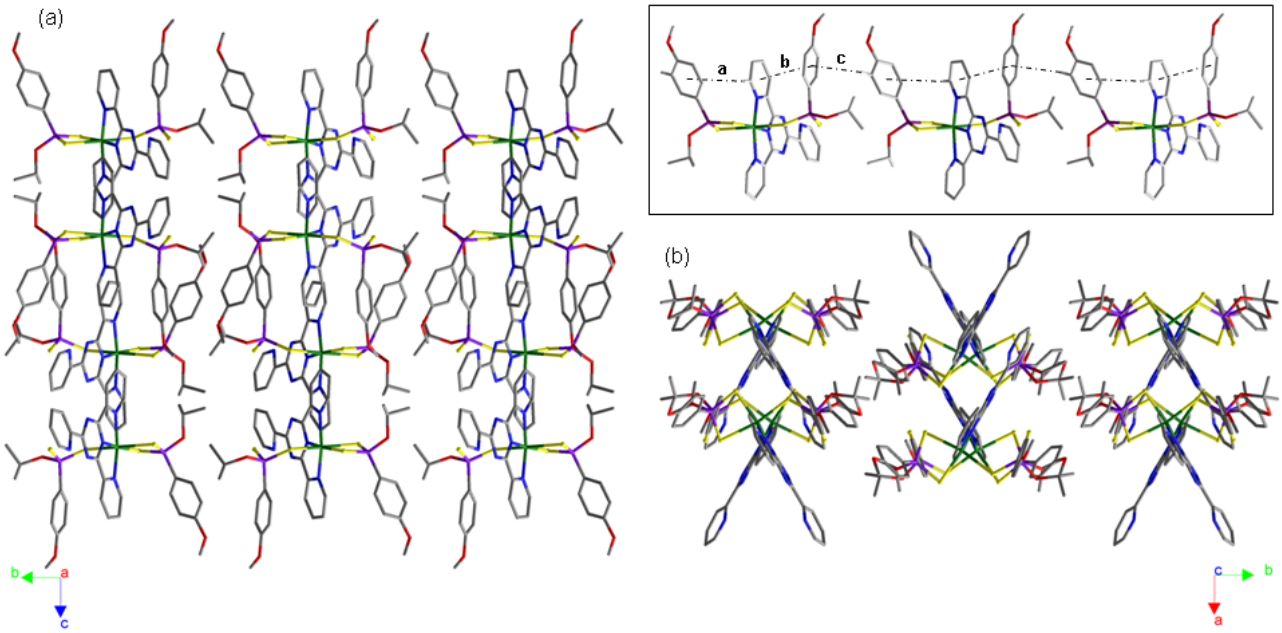

Figure S4: Packing view of compound **7** showing complex molecules organized in parallel ribbons built up by H-bonds and π-π interactions [inset: $C_3N_3\cdots C_5N(4)$ 3.3°, 3.71 Å; O3–H3a···N6: 1.98, 2.852(7), 138; O3–H3b···O4: 2.54, 3.182(7), 128; O3–H3b···O5: 1.83, 2.728(6), 173; C8–H8a···O6: 2.53, 3.297(8), 134; C14–H14···O3: 2.58, 3.438(7), 150; C15–H15···O4: 2.47, 3.116(7), 125; C21–H21···O5: 2.47 Å, 3.379(7) Å, 159°] Hydrogen atoms not involved in the showed interactions have been omitted for clarity reasons.

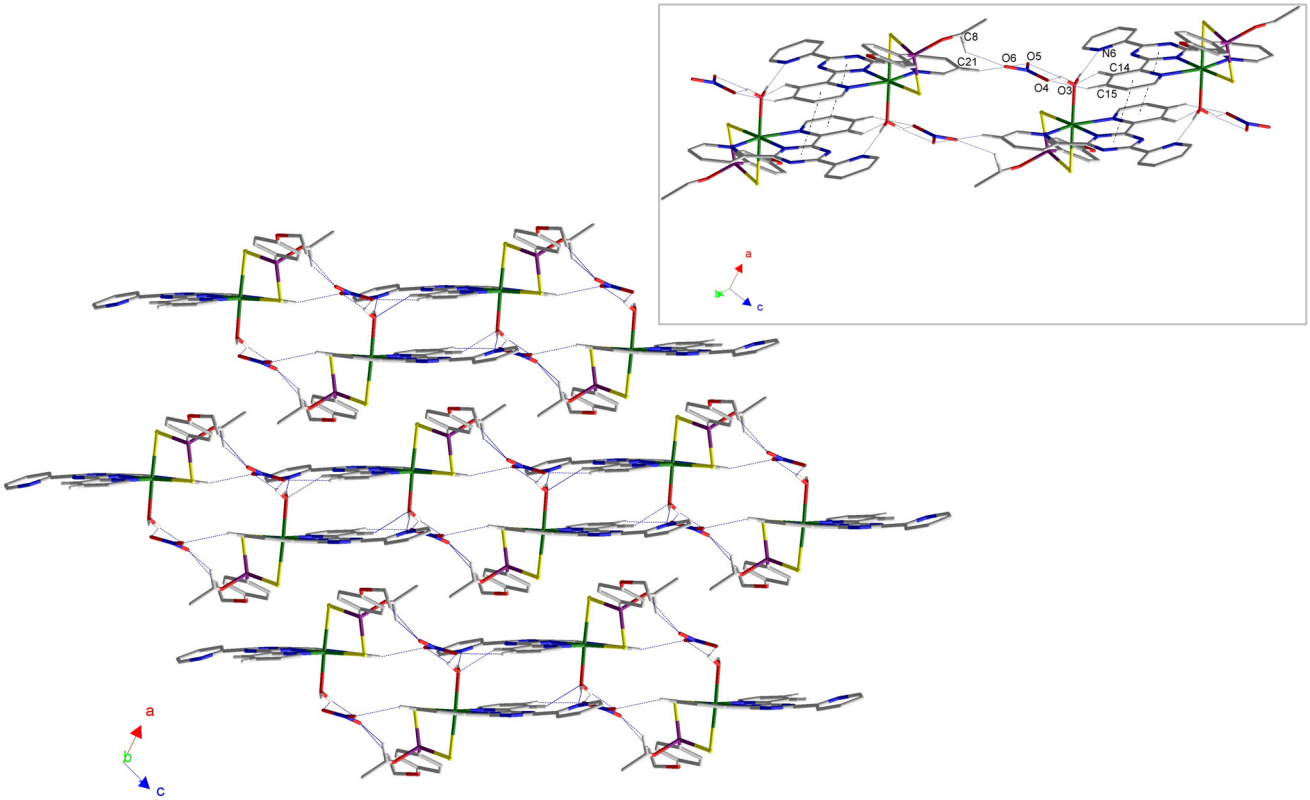

Figure S5: Lateral view (ac plane) of the crystal packing of compound **8** showing π-π interactions joining the ladders along axis *a* direction.

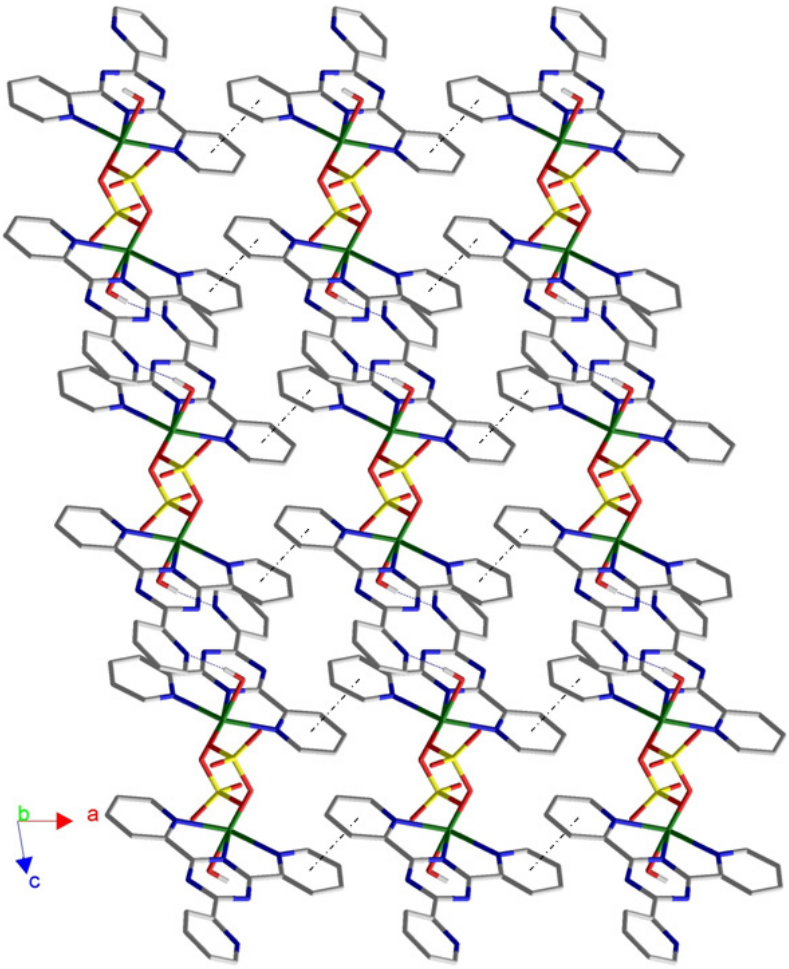

Table S1. Selected hydrogen bond distances (Å) and angles (°) for compounds **2**·tptz, **3**·tptz, **4**·tptz, **6**·tptz, **7** and **8**.

Compound 2·tptz					
C7–H7B···N6	0.96	2.52	3.302(5)	139	x, y, 1+z
C25–H25···O2	0.93	2.58	3.427(4)	152	x, y, -1+z
C32–H32···S4	0.93	2.85	3.559(3)	134	1-x, 1-y, 1-z
Compound 3·tptz					
C2–H2···S2	0.95	2.84	3.478(8)	125	1-x, 1-y, -z
C5–H5···O2	0.95	2.43	3.312(11)	154	1-x, 1-y, -1-z
C8–H8A···S4	0.99	2.81	3.599(10)	137	2-x, -y, -z
C26–H26···O4	0.95	2.53	3.278(11)	136	1+x, y, z
C32–H32···S4	0.95	2.72	3.581(10)	150	1-x, -y, -z
Compound 4·tptz					
C2–H2···S1	0.95	2.85	3.359(10)	115	
C27–H27···O4	0.95	2.50	3.167(9)	127	x, 0.5-y, 0.5+z
C12–H12···S4	0.95	2.71	3.259(11)	117	
Compound 6·tptz					
C4–H4B···S3	0.98	2.84	3.632(5)	138	1-x, 2-y, 2-z
C14–H14···S1	0.95	2.87	3.772(4)	158	2-x, 1-y, 2-z
C15–H15···O2	0.95	2.44	3.362(5)	163	1+x, y, z
Compound 7					
O3–H3A···N6	0.88	1.98	2.854(7)	172	1-x, 1-y, 1-z
O3–H3B···O4	0.91	2.54	3.181(7)	128	
O3–H3B···O5	0.91	1.82	2.727(6)	173	
C8–H8A···O6	0.99	2.53	3.295(8)	134	-x, 1-y, -z
C14–H14···O3	0.95	2.58	3.438(7)	150	1-x, 1-y, 1-z
C15–H15···O4	0.95	2.47	3.117(7)	125	1-x, 1-y, 1-z
C21–H21···O5	0.95	2.48	3.380(7)	159	-x, 1-y, -z
Compound 8					
O5–H5A···N2	0.84	2.62	3.253(7)	133	-x, -y, 1-z
O5–H5A···N6	0.84	2.02	3.796(7)	153	-x, -y, 1-z
O6–H6A···O8	0.84	2.21	2.85(3)	133	1+x, y, z
O6–H6B···O2	0.84	2.09	2.904(8)	162	
O7–H7A···O2	0.84	2.13	2.868(8)	146	
O7–H7B···O2	0.84	2.15	2.929(7)	155	-x, -1-y, 2-z
O8–H8A···O6	0.85	2.00	2.85(3)	179	-1+x, y, z
O8–H8B···O3	0.86	1.84	2.70(2)	180	
C15–H15···O8	0.95	2.59	3.42(2)	146	-x, -1-y, 2-z