Supplementary Material (ESI) for CrystEngComm

Structure and fluorescent properties of mercury(II) pyridine-2,3-dicarboxylate coordination polymers tuned by ancillary ligands and alkaline-earth metal ions

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Electronic Supplementary Information

Table S1 Hydrogen bonds for **2** [Å and °]

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Fig. S1 A view of the three–dimensional supramolecular structure of **4**. Hydrogen atoms not involving in hydrogen bonds are omitted for clarity. Dashed lines represent hydrogen bonds.

Table S1 Hydrogen bonds for **2** [Å and °]

D–H···A	d(D–H)	d(H···A)	d(D···A)	<(DHA)
O1W–H1WA···O1	0.85	2.47	3.203(10)	144.3
O1W–H1WB···O2	0.85	2.43	2.979(10)	123.1
O2W–H2WA···O2C	0.85	2.21	3.027(10)	161.8
Symmetry codes: C) *x* + 1, *y*, *z* + 1.				

Table S2 Hydrogen bonds for **3** [Å and °]

D–H···A	d(D–H)	d(H···A)	d(D···A)	<(DHA)
O1W–H5A···O1	0.85	1.98	2.829(6)	173.1
O1W–H5B···O2E	0.85	2.15	2.999(6)	173.3
O2W–H6A···N3J	0.85	2.17	2.935(8)	149.1
O2W–H6B···O1C	0.85	2.60	3.385(7)	154.3
O3W–H7A···O2I	0.85	2.08	2.785(6)	138.7
O3W–H7B···O1WH	0.85	2.43	2.973(6)	122.0
Symmetry codes: C) *x*, –*y* + 1/2, *z* – 1/2; E) –*x* + 1, –*y* + 1, –*z* + 1; H) –*x* + 1, *y* + 1/2, –*z* + 1/2; I) –*x* + 1, *y* – 1/2, –*z* + 1/2; J) –*x*, –*y* + 1, –*z*.				

Table S3 Hydrogen bonds for **4** [Å and °]

D–H···A	d(D–H)	d(H···A)	d(D···A)	<(DHA)
O5–H5A ···O2B	0.85	2.36	3.197(8)	167.2
O5–H5B ···O2F	0.85	1.98	2.748(8)	150.5
O5–H5B···O1F	0.85	2.56	3.308(9)	148.4
O6–H6A···O1G	0.85	2.15	2.918(8)	149.7
O6–H6B···O7C	0.84	2.08	2.847(9)	150.3
O7–H7A···O1F	0.85	2.11	2.948(9)	169.1
O7–H7B···O5F	0.85	1.96	2.795(8)	167.2
Symmetry codes: B) *x*, *y* – 1, *z*; C) –*x* + 1/2, *y* – 1/2, –*z* + 1/2; F) –*x* + 1/2, –*y* + 1/2, –*z* + 1; G) *x*, –*y* + 1, *z* – 1/2.				

Table S4 Hydrogen bonds for **5** [Å and °]

D–H···A	d(D–H)	d(H···A)	d(D···A)	<(DHA)
O5–H5A···O2B	0.87	2.25	3.102(7)	167.7
O5–H5B···O2F	0.85	2.01	2.794(7)	153.8
O5–H5B···O1F	0.85	2.65	3.394(8)	147.1
O6–H6A···O1G	0.87	2.11	2.891(8)	149.2
O6–H6B···O7C	0.86	2.11	2.877(7)	147.3
O7–H7A···O1F	0.86	2.12	2.976(8)	170.2
O7–H7B···O5F	0.87	1.98	2.819(8)	163.8
Symmetry codes: B) *x*, *y* – 1, *z*; C) –*x* + 1/2, *y* – 1/2, –*z* + 1/2; F) –*x* + 1/2, –*y* + 1/2, –*z* + 1; G) *x*, –*y* + 1, *z* – 1/2.				

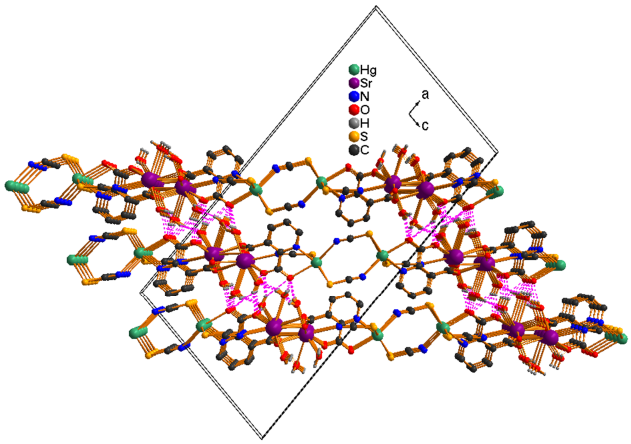

Fig. S1 A view of the three–dimensional supramolecular structure of **4**. Hydrogen atoms not involving in hydrogen bonds are omitted for clarity. Dashed lines represent hydrogen bonds.