Supporting information for

Supramolecular Isomerism and Various Chain/Layer Substructures in Silver(I) Compounds: Syntheses, Structures and Luminescent Properties

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Table S1 Hydrogen-bonding geometric parameters (Å, °) for compounds **2-7** [a]

Compound	D-H…A	d(D-H)	d(H…A)	d(D…A)	∠D-H…A
2	O(1W)-H(1WA)…O(4a)	0.82	1.97	2.790(7)	180
	O(1W)-H(1WB)…O(2b)	0.91	1.91	2.814(8)	176
3	O(3)-H(3A)…O(1)	0.82	1.84	2.654(2)	171
4	O(3)-H(3A)…O(2)	0.86	1.66	2.518(4)	178
5	O(4)-H(4A)…O(2)	0.82	1.65	2.460(3)	170
	C(3)-H(3)…O(1a)	0.93	2.55	3.301(4)	138
	C(12)-H(12)…O(4b)	0.93	2.51	3.255(3)	137
	C(19)-H(19)…O(2)	0.93	2.40	3.196(3)	144
	C(20)-H(20)…O(3c)	0.93	2.40	3.245(3)	151
6	O(1W)-H(1WA)…O(4W)	0.87	2.04	2.873(8)	165
	O(1W)-H(1WB)…O(1Wc)	0.86	2.07	2.742(1)	136
	O(2W)-H(2WB)…O(3)	0.85	2.13	2.938(7)	156
	O(3W)-H(3WA)…O(1Wd)	0.89	2.03	2.813(8)	145
	O(3W)-H(3WB)…O(3e)	0.87	2.10	2.795(7)	136
	O(4W)-H(4WB)…O(3f)	0.87	1.95	2.753(5)	154
	O(5W-H(5W)…O(2c)	0.85	1.99	2.837(5)	176

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D…A	d(D…A)	D…A	d(D…A)
O(1W)…O(5W)	3.745(1)	O(3W)…O(9e)	2.905(2)
O(1W)…O(4c)	2.681(9)	O(3W)…O(4Wf)	2.532(1)
O(1W)…O(9c)	3.057(1)	O(4W)…O(5W)	2.857(1)
O(1W)…O(10c)	3.051(1)	O(5W)…O(7g)	2.848(2)
O(2W)…O(2)	2.750(5)	O(6W)…O(5)	2.865(2)
O(2W)…O(6Wd)	2.885(1)	O(6W)…O(6)	2.984(2)
O(3W)…O(8c)	3.040(1)		

[a] The hydrogen atoms attached to lattice water molecules in compound **7** are not included in the final refinement and the hydrogen bonds are only shown in d(D…A). Symmetry operations: For **2**: (a) 2-x, -y, 1-z; (b) 1-x, -y, 1-z. For **5**: (a) -x, 1-y, -z; (b) 0.5-x, -0.5+y, -0.5-z; (c) 0.5+x, -0.5-y, 0.5+z. For **6**: (a) -x, y, -0.5-z; (b) -0.5+x, 0.5-y, -0.5+z; (c) x, -y, -0.5+z; (d) -0.5-x, 0.5-y, -z. For **7**: (c) –x, -0.5-y, -0.5-z; (d) -1-x, -0.5+y, -0.5-z; (e) -1+x, -0.5-y, -0.5+z; (f) -1-x, -1-y, -1-z; (g) x, -0.5-y, 0.5+z.