Electronic Supplementary Information for CrystEngComm

Electronic Supplementary Information (ESI)

Inorganic anion induced supramolecular architectures and luminescent properties of flexible bis(pyridyl) based ionic salts

Zhao-Peng Deng, Hui-Ling Qi, Li-Hua Huo,* Hui Zhao and Shan Gao*

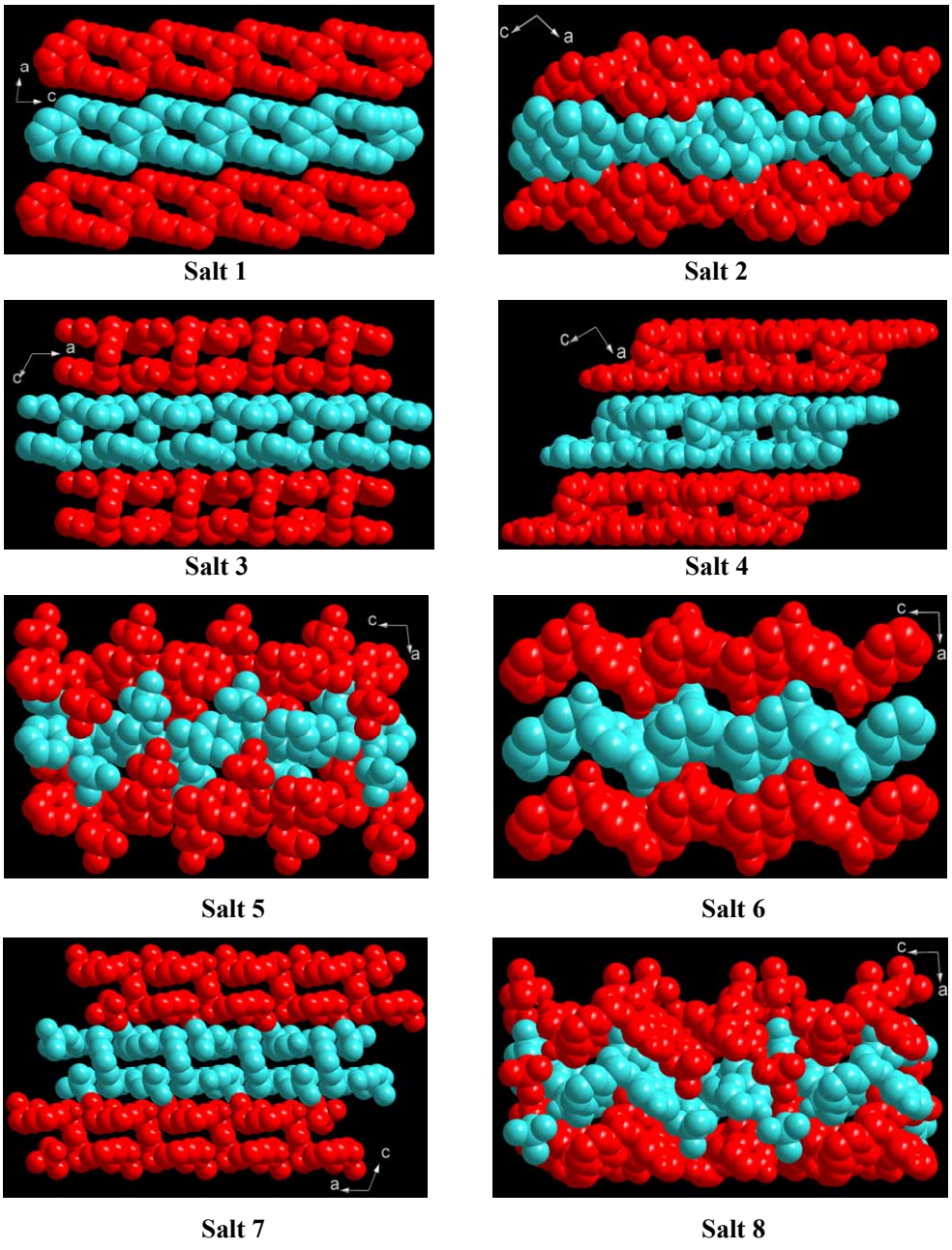

Fig. S1 Space-filling modes of the packing diagram in salts **1-8** along the [010] direction.

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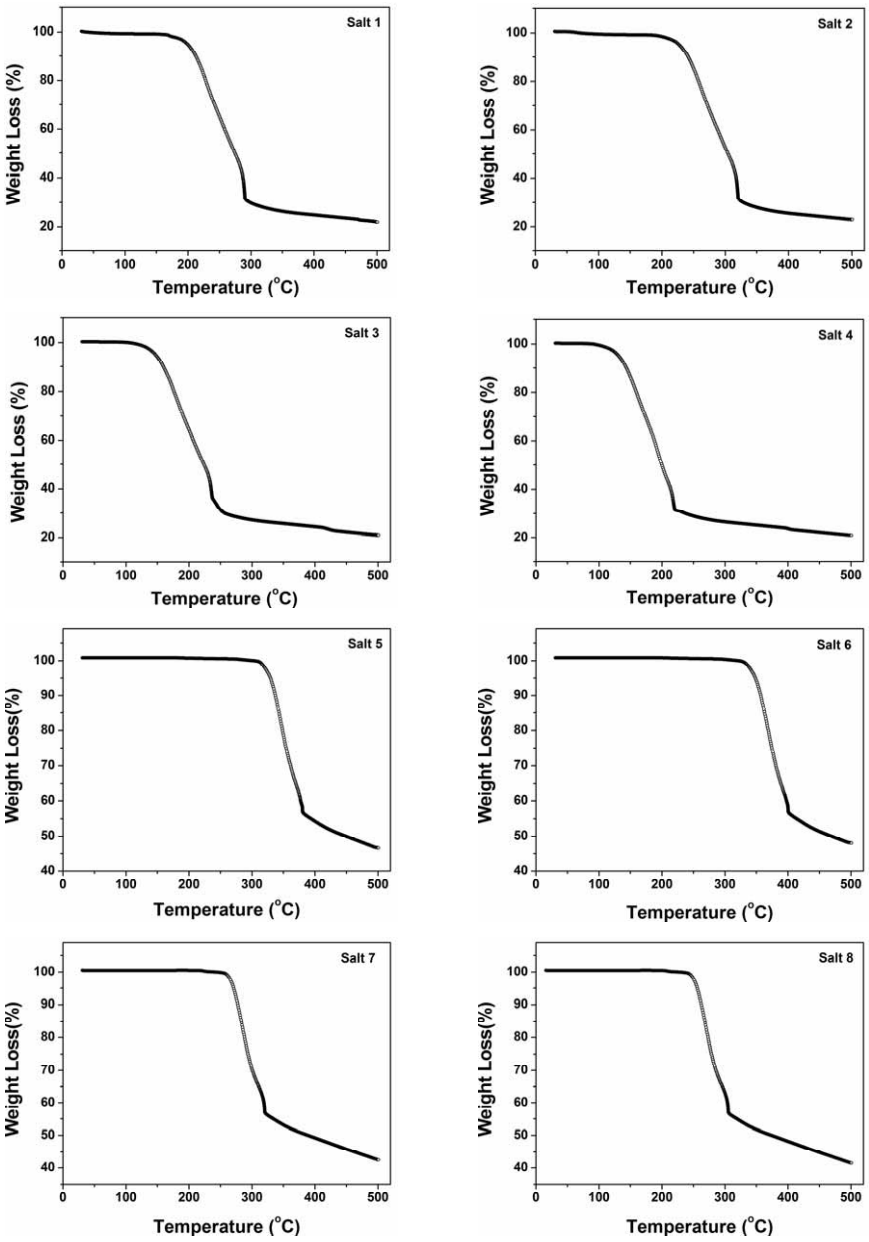

Fig. S2 TG curves of salts **1-8** at N_2 atmosphere.

The thermal stability of the eight salts was analyzed on crystalline samples by thermogravimetric analyses (TGA) from 30 to 500 °C at a rate of 10 °C min^{-1} under N_2 atmosphere. As shown in Fig. S2, the thermal stability of the perchlorates is higher than the corresponding nitrates. The sharp weigh loss of the eight salts is falling in the range of 162-290 °C, 190-320 °C, 107-258 °C, 90-220 °C, 305-380 °C, 320-402 °C, 247-320 °C, and 235-305 °C, respectively.

Table S1 Selected bond angles (°) data of salts **1-8**

		1	
O(2)-N(3)-O(1)	121.1(3)	O(1)-N(3)-O(3)	119.1(3)
O(2)-N(3)-O(3)	119.8(3)		
		2	
O(2)-N(3)-O(1)	118.9(2)	O(3)-N(3)-O(1)	118.8(3)
O(2)-N(3)-O(3)	122.3(3)		
		3	
O(2)-N(3)-O(1)	120.5(2)	O(3)-N(3)-O(1)	120.1(2)
O(3)-N(3)-O(2)	119.4(2)		
		4	
O(1)-N(5)-O(2)	121.2(5)	O(4)-N(6)-O(5)	122.5(5)
O(2)-N(5)-O(3)	118.6(5)	O(5)-N(6)-O(6)	118.0(5)
O(1)-N(5)-O(3)	120.2(5)	O(4)-N(6)-O(6)	119.5(5)
		5	
O(1)-Cl(1)-O(2)	107.3(6)	O(4)-Cl(1)-O(3)	111.0(4)
O(3)-Cl(1)-O(2)	107.6(4)	O(1)-Cl(1)-O(4)	112.1(5)
		6	
O(2)-Cl(1)-O(1)	110.2(2)	O(3)-Cl(1)-O(4)	109.4(2)
O(2)-Cl(1)-O(3)	109.6(2)	O(4)-Cl(1)-O(1)	108.7(2)
		7	
O(2)-Cl(1)-O(1)	112.6(4)	O(3)-Cl(1)-O(4)	110.1(4)
O(2)-Cl(1)-O(3)	110.2(3)	O(4)-Cl(1)-O(1)	106.2(3)
		8	
O(1)-Cl(1)-O(2)	110.4(3)	O(5)-Cl(2)-O(6)	109.4(3)
O(2)-Cl(1)-O(3)	108.1(3)	O(6)-Cl(2)-O(7)	108.1(3)
O(3)-Cl(1)-O(4)	108.3(3)	O(8)-Cl(2)-O(7)	108.7(3)
O(1)-Cl(1)-O(4)	110.6(3)	O(5)-Cl(2)-O(8)	109.1(3)