Supporting Information for CrystEngComm

Syntheses, Structures and Fluorescences of Two Coordination Complexes of Zn(II) and 1,3-Bis(2-methyl-imidazolyl)propane: Solvent Effect

Hong-Jun Hao, Fu-Jing Liu, Hai-Feng Su, Zhan-Hui Wang, Dan-Feng Wang, Rong-Bin Huang,* and Lan-Sun Zheng

Department of chemistry, College of Chemistry and Chemical Engineering and State key Laboratory for Physical Chemistry of Solid Surfaces, Xiamen University, Xiamen 361005, People's Republic of China

*Correspondence e-mail: rbhuang@xmu.edu.cn. Fax: 86-592-2183074

Table S1: The hydrogen bond geometries for 2

Complex **2**				
D—H···*A*	*D*—H	H···*A*	*D*···*A*	*D*—H···*A*
O1W—H1WA···O3W	0.84	1.92	2.754(7)	170
O1W—H1WB···O4^{ii}	0.84	2.06	2.892(6)	170
O2W—H2WA···O2	0.78	1.95	2.717(6)	165
O2W—H2WB···O3^{iii}	0.87	1.90	2.760(6)	168
O3W—H3WA···O1W^{iv}	0.85	1.95	2.775(7)	164
O3W—H3WB···O2W^{v}	0.85	1.86	2.686(7)	163

Symmetry codes: (ii) −*x*+1, *y*+1/2, −*z*+3/2; (iii) *x*−1, *y*, *z*; (iv) −*x*+1, −*y*+1, −*z*+2; (v) *x*, −*y*+1/2, *z*+1/2.

Figure S1: The powder XRD patterns and the simulated one from the single-crystal diffraction data for complexes 1 and 2

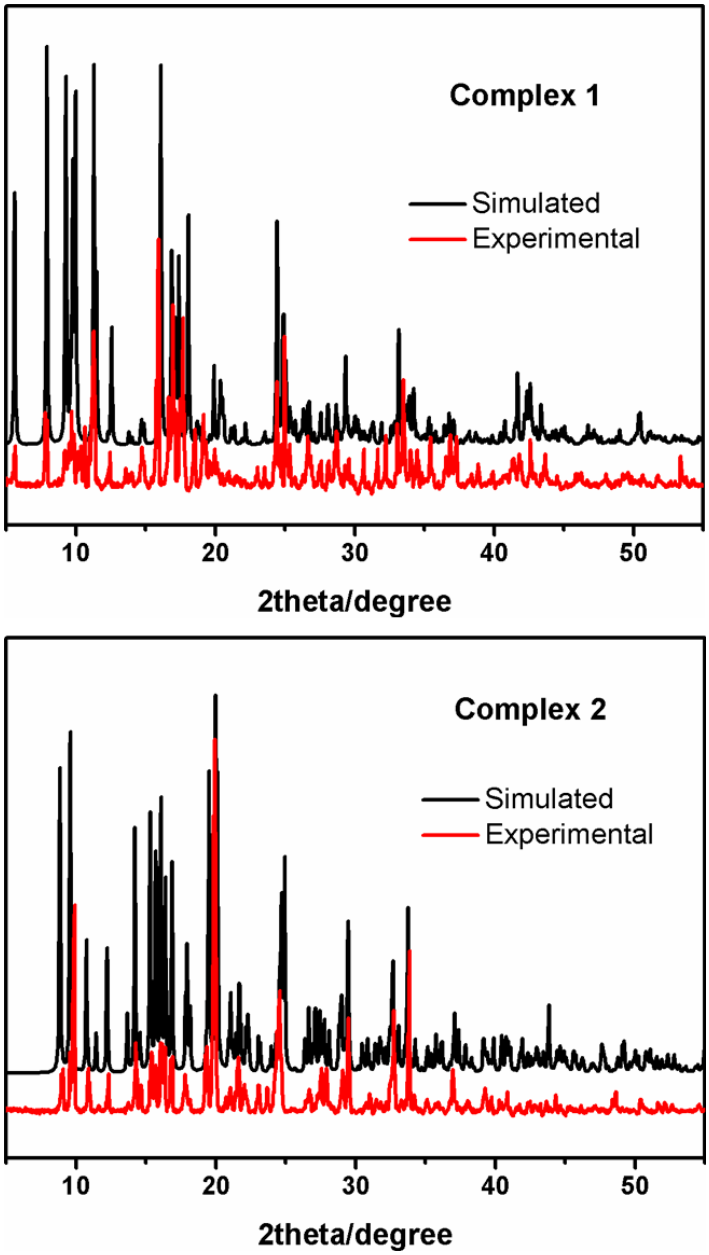

Figure S2: The IR spectra of complexes 1 and 2

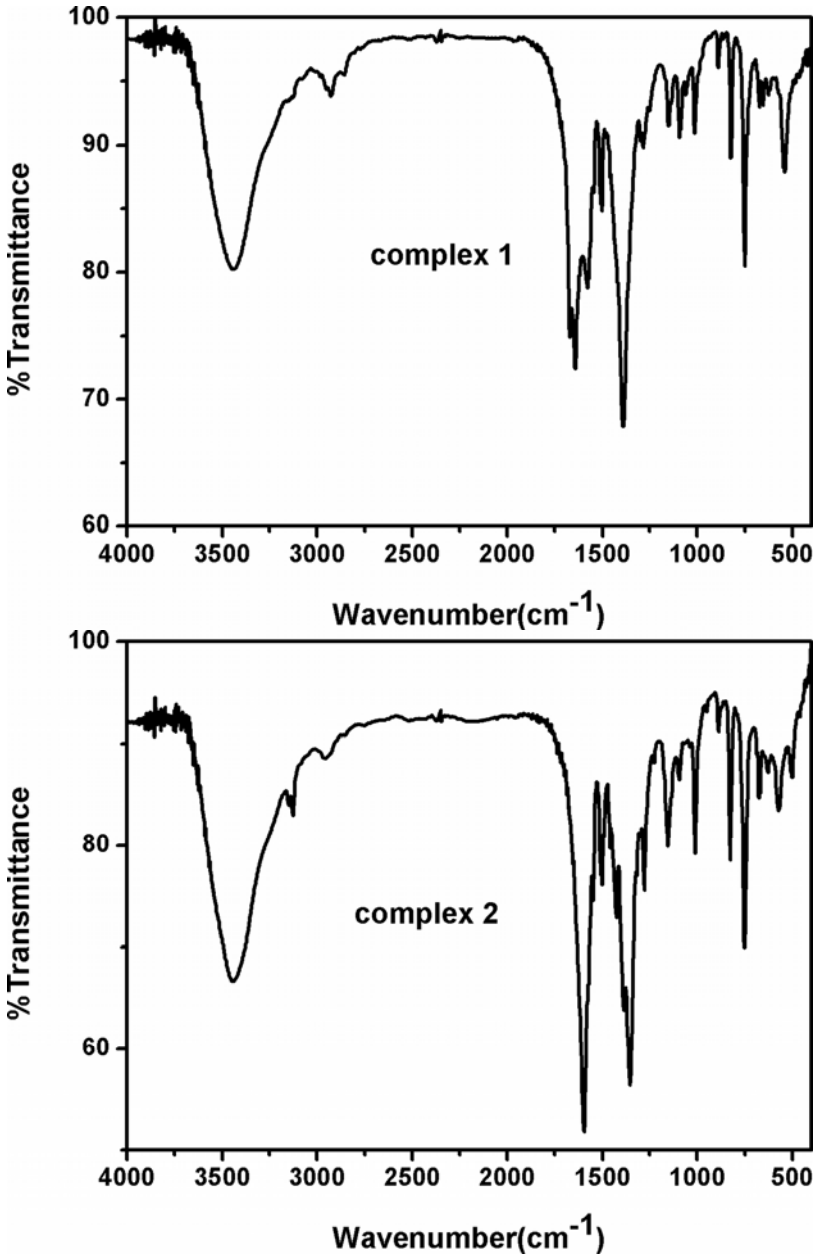

Figure S3: The 2D layer structure of complex 1