

Supporting information

Syntheses, Structural Diversities and Characterization of A Series of Coordination Polymers with Two Isomeric Oxadiazol-pyridine Ligands

Bin Ding^{a,b*}, Jie Wu^{a,b}, Xiang Xia Wu^{a,b}, Jian Zhong Huo^{a,b}, Zhao Zhou Zhu^{a,b}, Yuan Yuan Liu^{a,b}, and Fang Xue Shi^{a,b}

^aKey Laboratory of Inorganic-Organic Hybrid Functional Material Chemistry (Tianjin Normal University), Ministry of Education, Tianjin Key Laboratory of Structure and Performance for Functional Molecule, College of Chemistry, Tianjin Normal University, 393 Binshui West Road, Tianjin 300387, PR China

^bKey Laboratory of Advanced Energy Materials Chemistry (Ministry of Education), Collaborative Innovation Center of Chemical Science and Engineering (Tianjin), College of Chemistry, Nankai University, Tianjin 300071, China

*To whom correspondence should be addressed.

E-mail: hxxymb@mail.tjnu.edu.cn Received Date (automatically inserted by publisher)

Table S1. Selected hydrogen bonds lengths [Å] and angles [°] for **1-8**.

D-H...A	d(D-H)	d(H...A)	d(D...A)	<(DHA)
1				
C(4)-H(4)···N(4)	0.93	2.52	3.448(6)	174
C(8)-H(8B)···S(1)	0.96	2.85	3.652(5)	142
2				
O(2)-H(2A)···O(3)	0.87	1.89	2.740(4)	166
O(2)-H(2B)···N(3)	0.89	2.01	2.854(4)	160
O(3)-H(3A)···O(2)	0.86	2.29	2.965(4)	136
O(3)-H(3B)···N(8)	0.87	2.12	2.970(6)	165
3				
C(1)-H(1)···N(2)	0.93	2.59	3.304(3)	134
4				
C(8)-H(8B)···F(12)	0.96	2.48	3.341(9)	149
C(17)-H(17)···F(7)	0.93	2.42	3.190(10)	140
C(17)-H(17)···F(8)	0.93	2.55	3.347(10)	144

C(21)-H(21)···N(5)	0.93	2.62	3.504(8)	159
5				
C(1)-H(1A)···O(13)	0.96	2.43	3.348(7)	160
C(4)-H(4)···N(2)	0.93	2.42	3.259(6)	150
C(12)-H(12)···N(5)	0.93	2.40	3.241(6)	150
C(15)-H(15)···O(11)	0.93	2.58	3.393(7)	146
6				
C(1)-H(1)···N(3)	0.93	2.60	3.528(4)	173
7				
C(2)-H(2C)···F(1)	0.96	2.53	3.338(5)	142
C(6)-H(6)···O(4)	0.93	2.56	3.308	138
8				
C(4)-H(4)···F(2)	0.93	2.38	3.085(9)	132

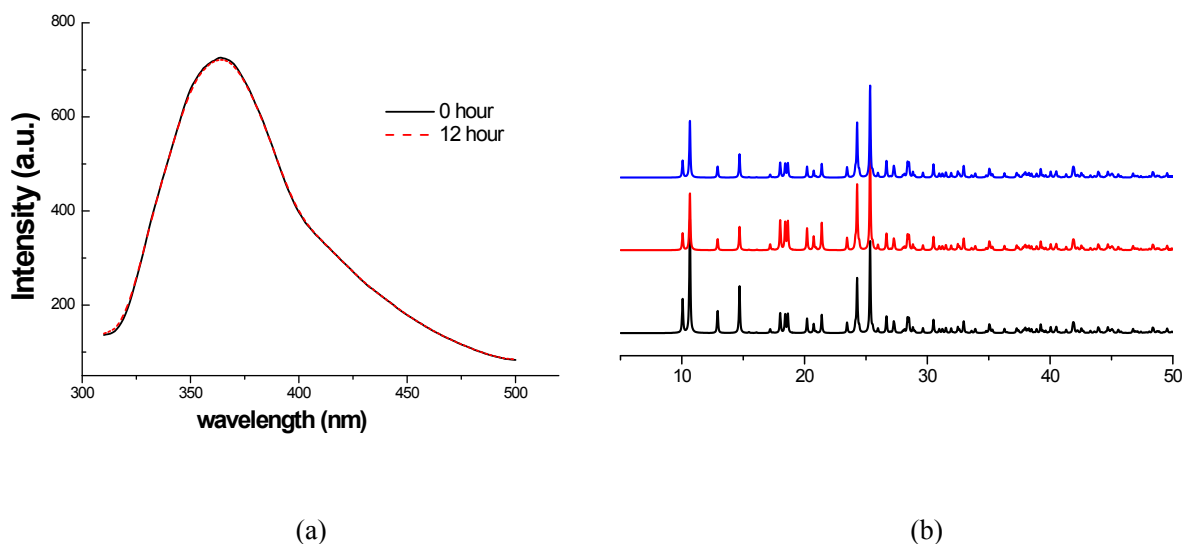


Figure S1. (a) Fluorescent spectra of complex **8** immersed into the water solutions as the suspensions for 0 h and after 12 h. (b) Powder X-ray diffraction (PXRD) patterns of **8** (black for calculated, red for experimental ones, and blue for the samples of **8** immersed into aqueous solutions for 12 h).