

SUPPLEMENTAL INFORMATION

Aqueous Synthesis of Mesoporous Zr-based Coordination Polymer for Removal of Organic Dye

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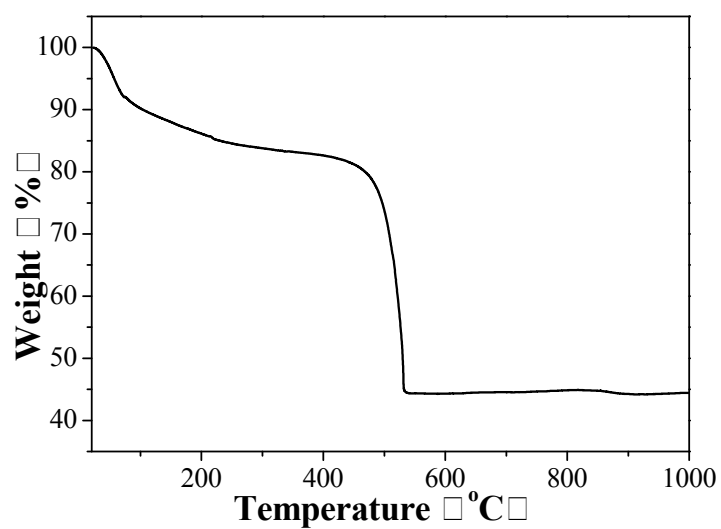


Figure S1. TG curves of Zr-BDC-CP under Ar atmosphere

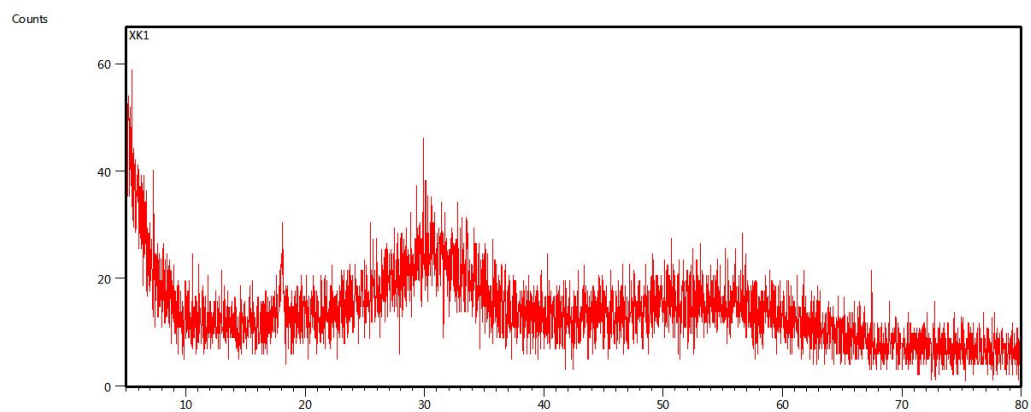


Figure S2. The PRXD pattern of Zr-BDC-CP

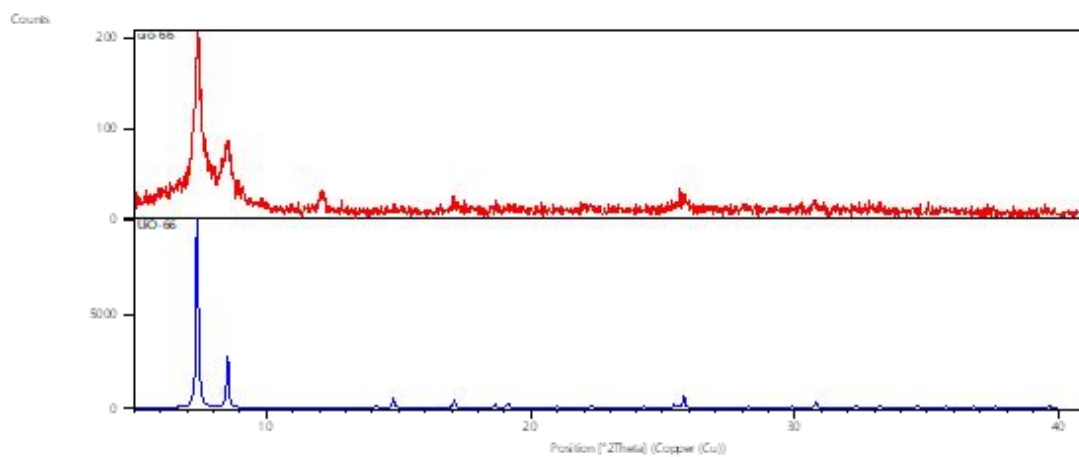


Figure S3. The simulated (bottom) and experimental (upper) PXRD patterns of UIO-66

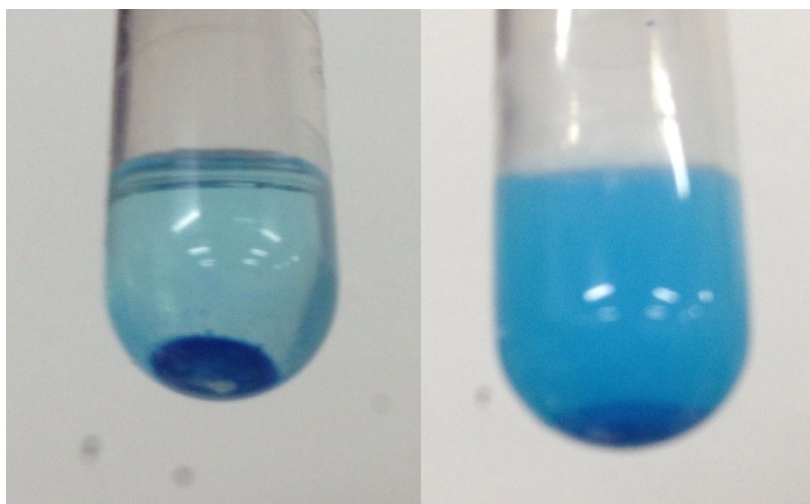


Figure S4. The photos of dye solutions after adsorption for Zr-BDC-CP (left) and UIO-66 (right) (the initial dye solution is 100mg/L).

Table S1 Comparison of MB adsorption among different MOFs.

Material	Quality (mg)	Concentration (mg/L)	Volume (ml)	Efficiency (%)	Amount adsorbed (mg/g)	Ref
MOF-235	5	20	50	93.5	187	[1]
ZJU-24-0.89	5	200	50	45.1	902	[2]
NOTT-101	5	200	50	20.0	400	[2]
Fe ₃ O ₄ @MIL-100(Fe)	10	75	10	66.3	49.41	[3]
MIL-101(Cr)	20	30	20	-	11	[4]
Cu-BTC	5	3.2	10	-	4.4	[5]
UiO-66	50	100	5	35.8	3.71	This work
Zr-BDC-CP	50	100	5	94.5	9.78	This work
Zr-BDC-CP	50	400	5	93.5	38.17	This work

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