Supporting information

Cobalt-Doped MIL-88A Anchored on Cellulose Filter Paper: A Recyclable Flow-Through Catalyst for Peroxymonosulfate Activation in the Degradation of Organic Dyes

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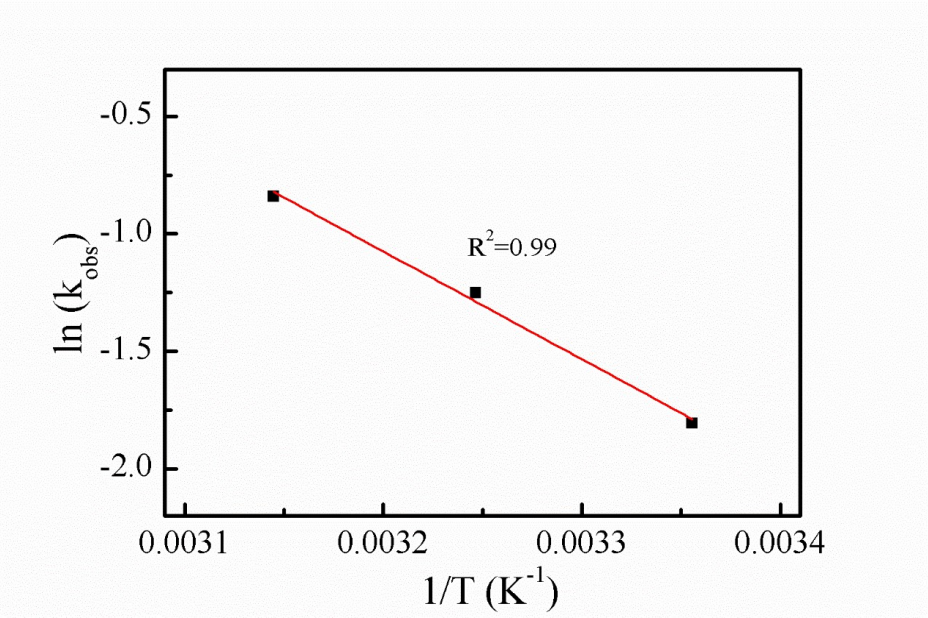

Fig. S1. The arrhenius curve of Co-M88A-FP/PMS system

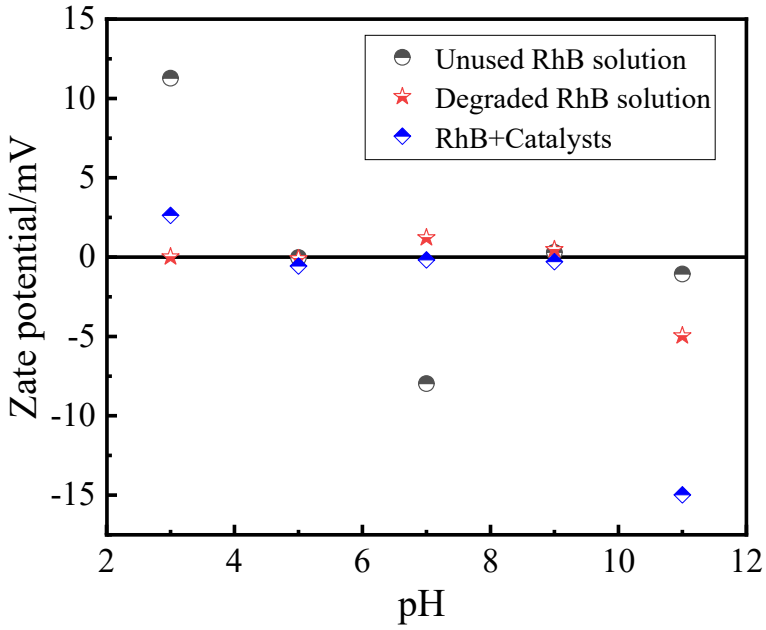

Fig. S2. Zate potential test of RhB solution before and after degradation

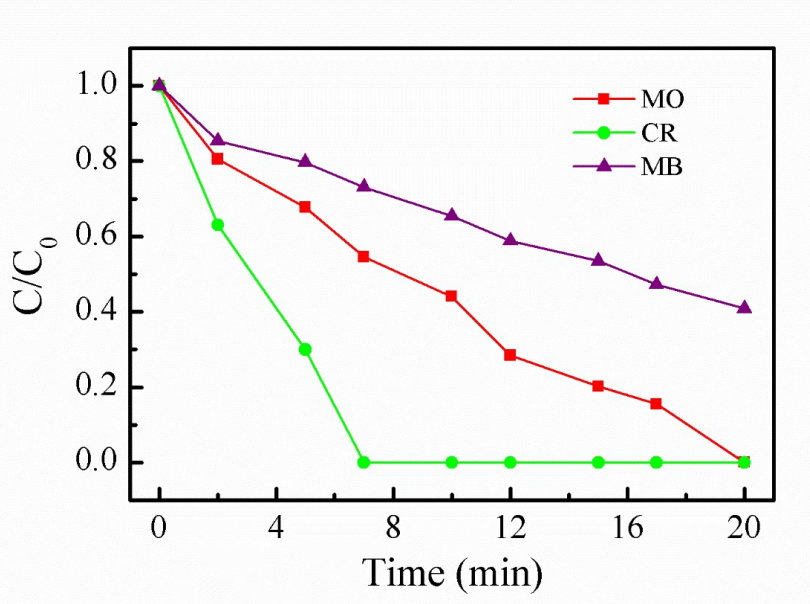

Fig. S3. The degradation curves of additional test pollutants: MO, CR and MB. (Reaction conditions: 25 °C; 100 mg/L PMS; 100 mg/L Co-M88A-FP catalyst; 20 mg/L pollutant; pH_0 5.)

Table S1. Degradation rates of RhB by Co-M88A-FP and other reported MOF-based catalysts

Material	RhB degradation rate	Reference
Co-M88A-FP	100%	this work
novel stratiform Co-MOF	95.3%	[69]
ZIF-67@CNFs	98.7%	[70]
ZnO/MIL-101(Fe)	97.1%	[71]
MIL-88A	80%	[15]
Mn_3O_4/ZIF-8	98%	[72]
Co/Fe-PGC	99.41%	[73]
nanocellulose/Zn-MOF-based catalytic filter	more than 90%	[74]