Supporting Information

Synthesis of Bimetal MOFs for Rapid Removal of Doxorubicin in Water by Advanced Oxidation Method

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Content

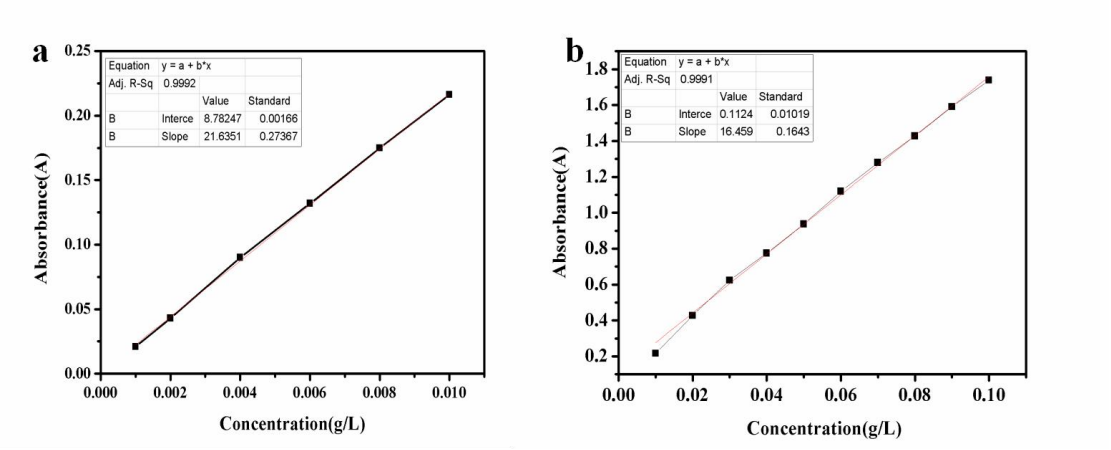

Figure S1 Doxorubicin working curve

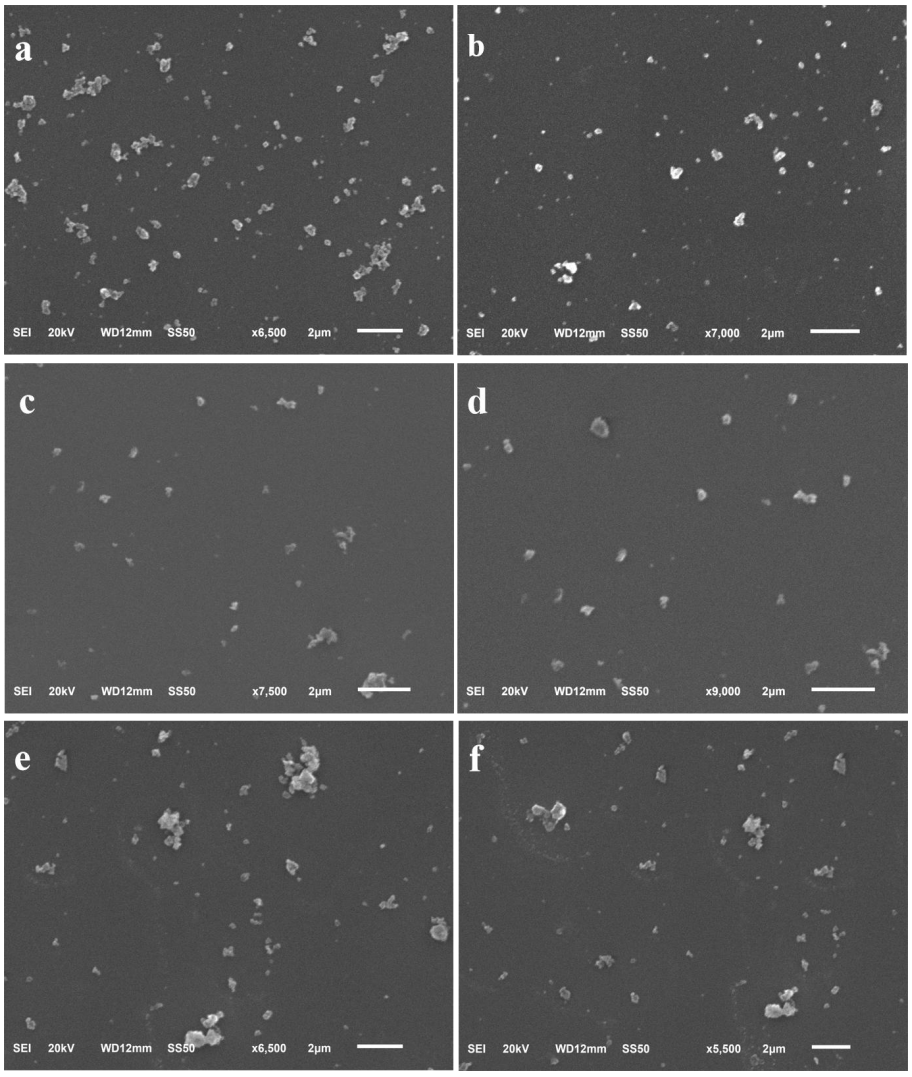

Figure S2 SEM image of Co/Cu-MOFs. a)Co/Cu-MOFs-1; b)Co/Cu-MOFs-2; c)Co/Cu-MOFs-4; d)Co/Cu-MOFs-5; e)Co/Cu-MOFs-6; f)Co/Cu-MOFs-6

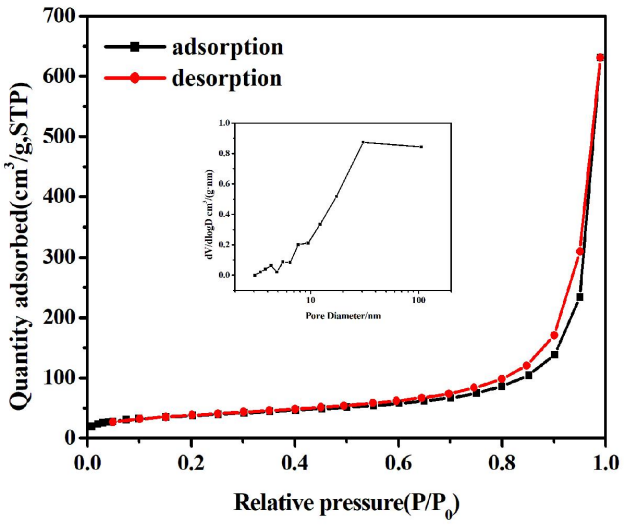

Figure S3 N_2 adsorption-desorption isotherms of Co/Cu-MOFs-3

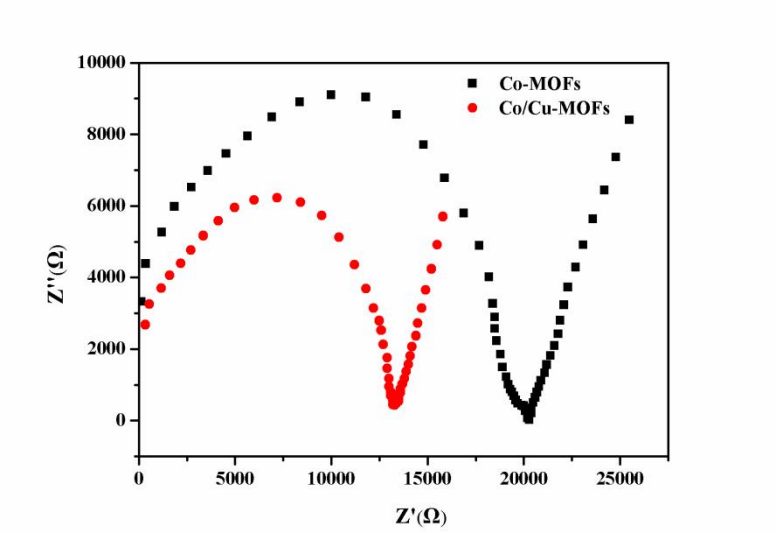

Figure S4 EIS of Co-MOFs and Co/Cu-MOFs

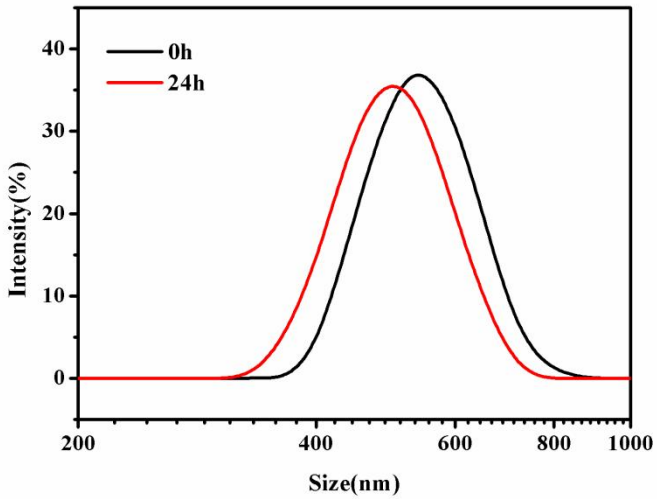

Figure S5 DLS of Co/Cu-MOFs-3 at 24 hour intervals

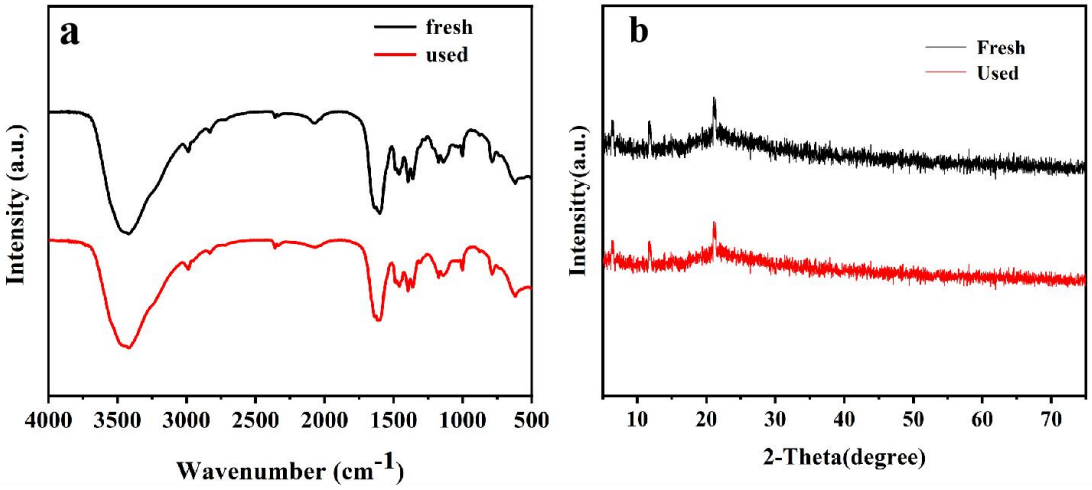

Figure S6 (a)FT-IR spectra and(b)XRD spectra of Co/Cu-MOFs-3 before and after use

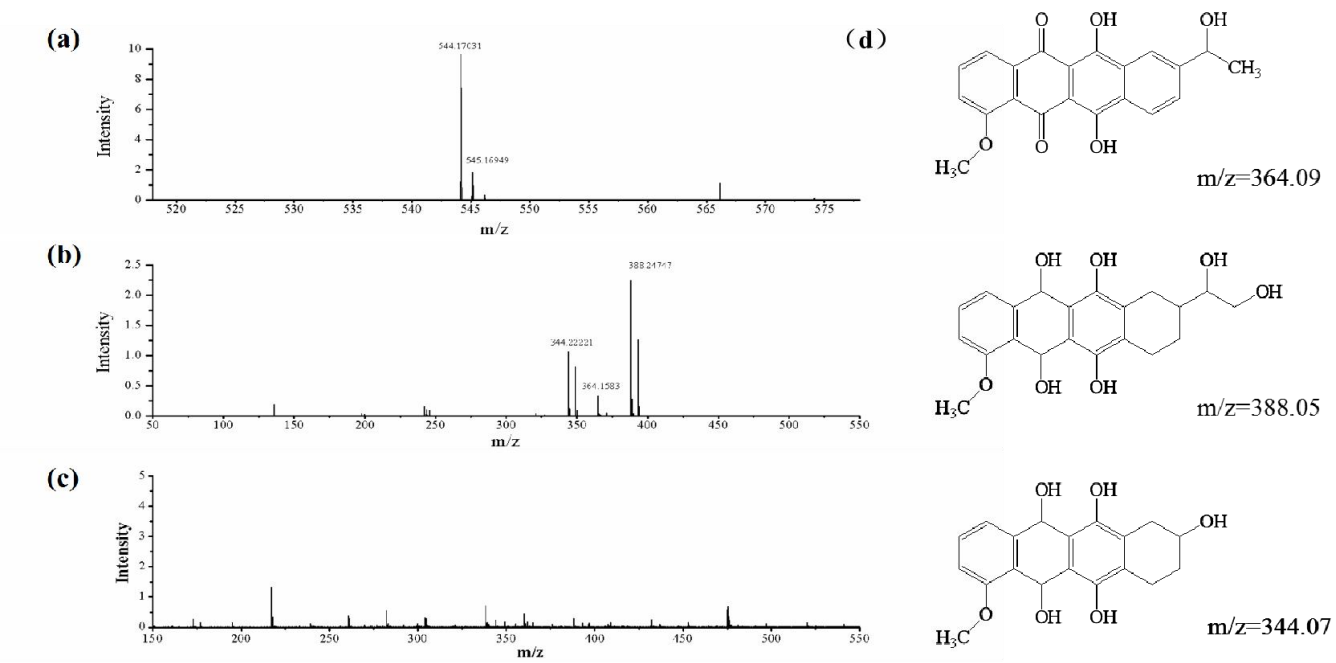

Figure S7 Mass spectrometry analysis of solutions in different degradation process. (a) Before degradation reaction. (b) During the degradation reaction. (c) The degradation process is over. (d) The chemical structure of massive species (m/z >300).

Table S1 Different conditions for the controlled synthesis of Co/Cu-MOFs

Sample no.		Cu^{2+}	Adenine	Temperature	Time（h）
	(mmol)	(mmol)	(mmol)	（°C）	
Co/Cu-MOFs-1	0.32	0.08	1.20	120	24
Co/Cu-MOFs-2	0.30	0.10	1.20	120	24
Co/Cu-MOFs-3	0.27	0.13	1.20	120	24
Co/Cu-MOFs-4	0.20	0.20	1.20	120	24
Co/Cu-MOFs-5	0.13	0.27	1.20	120	24
Co/Cu-MOFs-6	0.10	0.30	1.20	120	24
Co/Cu-MOFs-7	0.08	0.32	1.20	120	24