

Supplementary Data

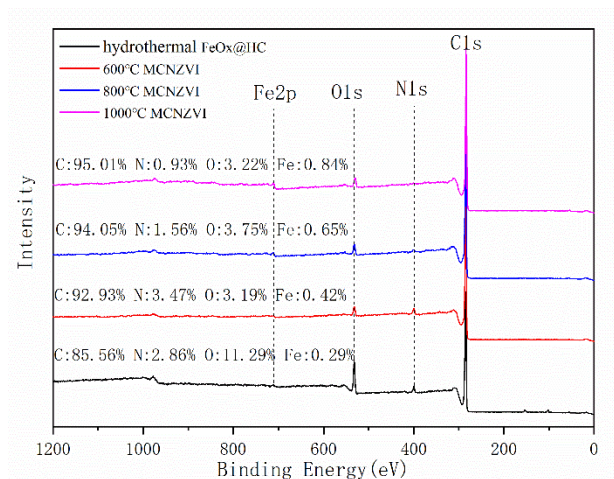


Figure S1. XPS Full spectrum analysis of hydrothermal FeOx@HC, Fe@HC obtained by calcining at different temperatures

Table S1 Pearson correlation analysis (coefficients (r) and significance level) between control test and different concentrations of anions.

Factors	Control test		
	r	Significance level	p value
5 mmol/L Cl ⁻	0.990	*	1.89E-05
10 mmol/L Cl ⁻	0.996	*	1.48E-06
50 mmol/L Cl ⁻	0.991	*	1.28E-05
5 mmol/L SO ₄ ²⁻	0.971	*	2.7 E-04
10 mmol/L SO ₄ ²⁻	0.972	*	2.42 E-04
50 mmol/L SO ₄ ²⁻	0.995	*	3.24E-06

* are significance level of <0.001.