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Supporting Information

Activation of persulfate by sulfide modified nanoscale zero-valent iron supported on biochar for 2,4-dichlorophenol degradation: efficiency and mechanism investigation

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Table S1. The total volume in pores and BET surface area statistics of materials.

Parameters	BC	S-nZVI	Fresh S-nZVI@BC	Reacted S-nZVI@BC
Total volume in pores (cm^3/g)	0.29	0.066	0.090	0.22
BET surface area (S_{BET}, m^2/g)	351.76	19.65	61.62	212.37

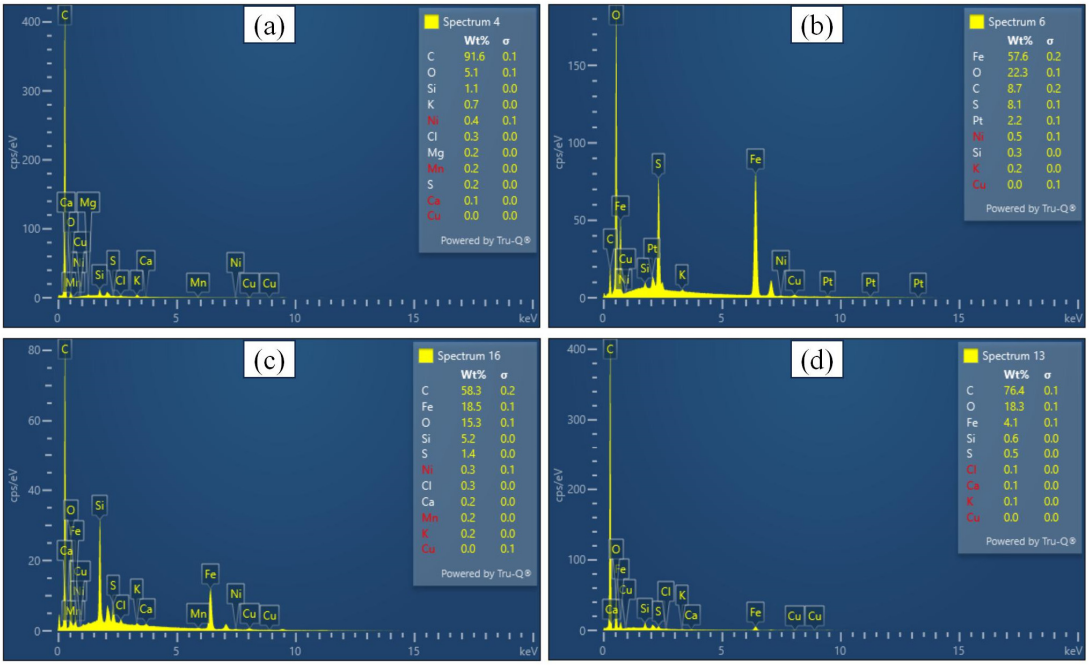

Fig.S1. EDS images of (a) BC, (b) S-nZVI, (c) fresh S-nZVI@BC, and (d) reacted S-nZVI@BC.

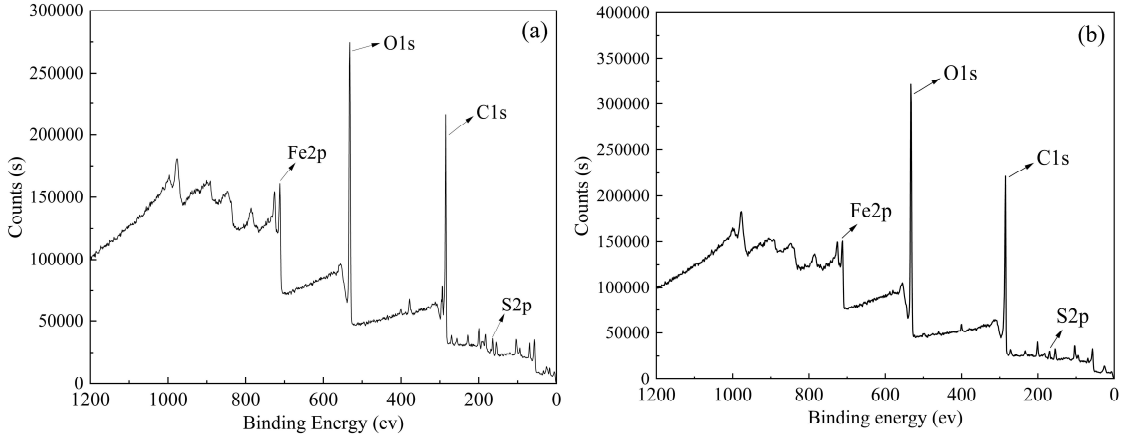

Fig.S2. XPS analysis of (a) fresh S-nZVI@BC and (b) reacted S-nZVI@BC. Reaction condition: [2,4-DCP]=20 mg/L of 400 mL, T=30 ℃, initial pH= 9±0.2.