water

MDPI

Supplementary Material

Simultaneous Removal of Nitrate and Phosphate in a Pyrrhotite and Sulfur-Circulating Packed Bed Reactor

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Text S1: Data processing method

Calculation method of removal efficiency:

$$\text{Removal efficiency (\%)} = (1 - C_t/C_0) \times 100\% \quad \text{(S1)}$$

Among them, t was the reaction time (h), C_0 and C_t were the pollutant concentration (mg/L) at 0 h and t h, respectively.

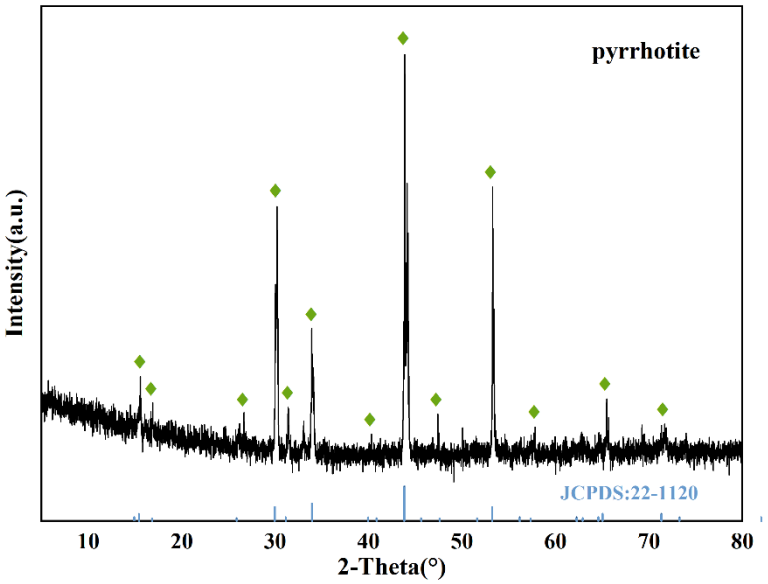


Figure S1. XRD pattern of pyrrhotite.

Table S1. Absolute abundance of denitrification genes in the two reactors.

The gene	The Reactor	Copy number(copy/uL)
NapA	PS-CPBR	992.83
	P-CPBR	12.42
NarG	PS-CPBR	603029.19
	P-CPBR	58788.98
NirK	PS-CPBR	487952.47
	P-CPBR	309008.54
NirS	PS-CPBR	8208009.06
	P-CPBR	1857439.36
NorB	PS-CPBR	3233.13
	P-CPBR	100.76
Nor	PS-CPBR	2037.00
	P-CPBR	7881.81
NosZ	PS-CPBR	156188.64
	P-CPBR	72997.21