

## Iron pyrophosphate doped carbon nanocomposite for tetracycline degradation by activation of peroxymonosulfate

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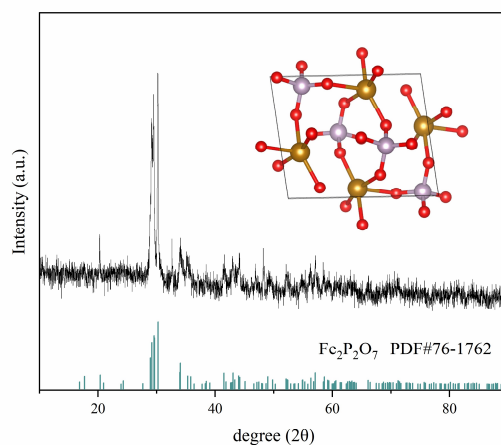
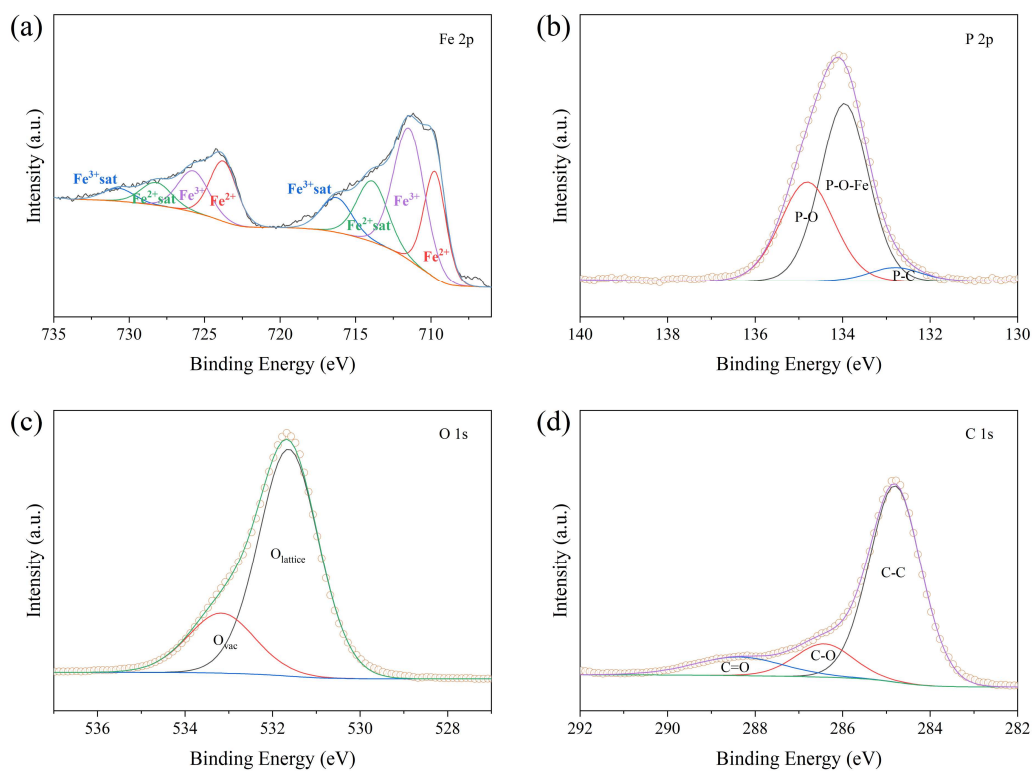
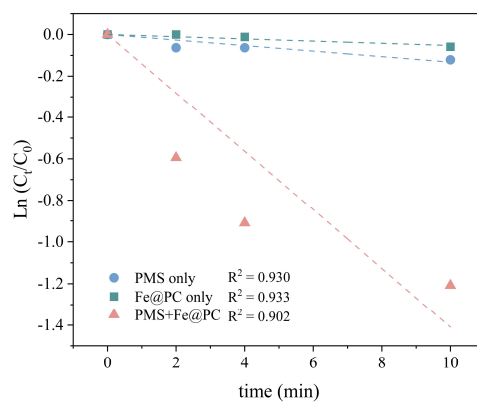


Fig.S1 XRD pattern of Fe<sub>2</sub>P<sub>2</sub>O<sub>7</sub>@C.



**Fig.S2** The high-resolution (a) Fe 2p, (b) P 2p, (c) O 1s, and (d) C 1s XPS spectra of used Fe<sub>2</sub>P<sub>2</sub>O<sub>7</sub>@C.



**Fig.S3** Relative linear fit of the pseudo-first-order kinetic model. Reaction condition: [TC] = 30 mg L<sup>-1</sup>, [Fe<sub>2</sub>P<sub>2</sub>O<sub>7</sub>@C] = 0.2 g L<sup>-1</sup>, [PMS] = 2 mM, and pH = 6.