

Simultaneous adsorptive removal of fluoride and phosphate by magnesia-pullulan composite from aqueous solution

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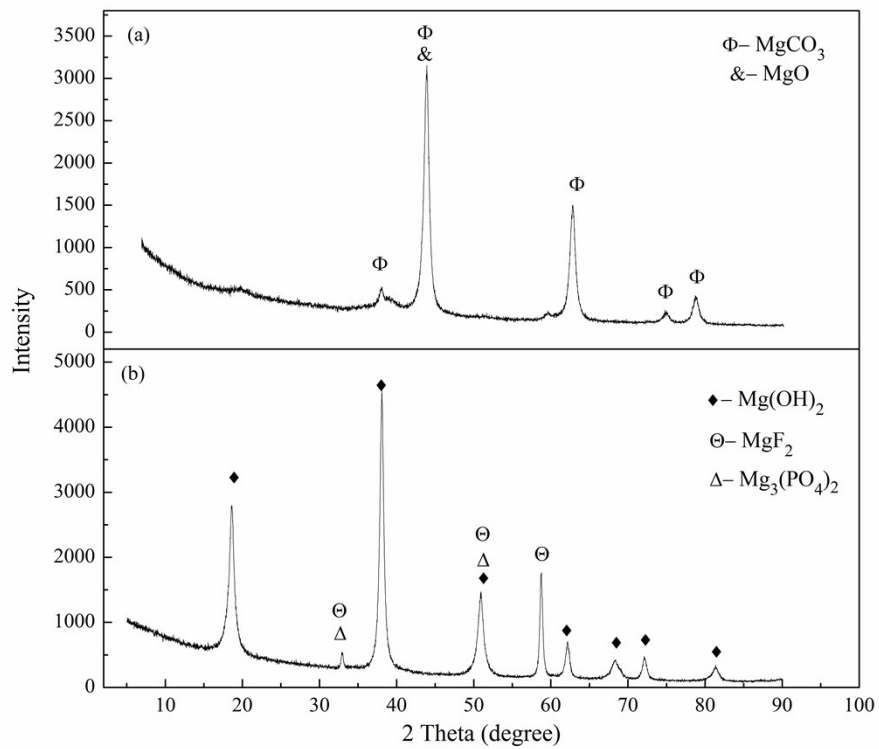
Supplementary Figure captions

Supplementary Fig. S1 XRD patterns of (a) MgOP (b) MgOP after the simultaneous adsorption of fluoride and phosphate

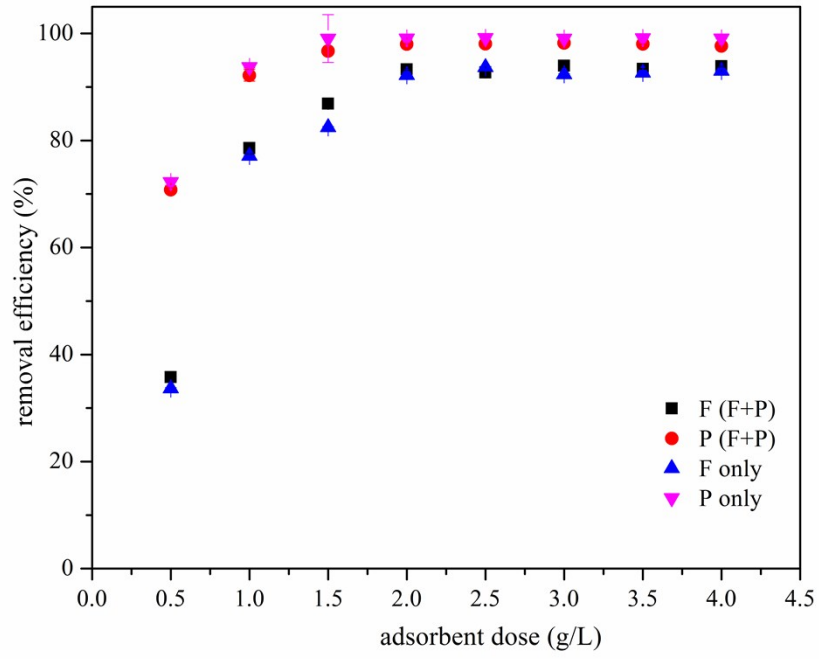
Supplementary Fig. S2 Effect of adsorbent dose on simultaneous adsorption of fluoride and phosphate ($C_{0(F)}=C_{0(P)}=10$ mg/L, pH 7.0, reaction temperature 298 K)

Supplementary Fig. S3 Effect of initial pH on simultaneous adsorption of fluoride and phosphate ($C_{0(F)}=C_{0(P)}=10$ mg/L, reaction temperature 298 K)

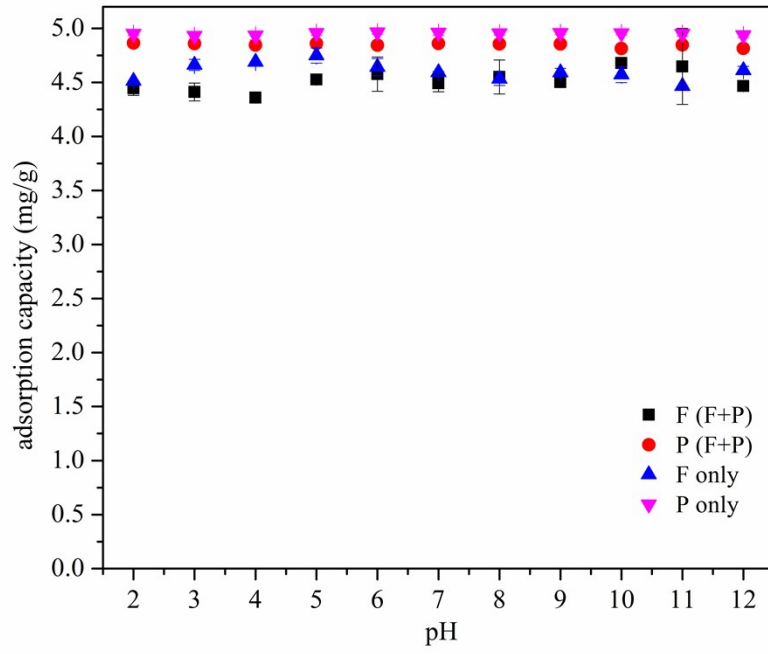
Supplementary Fig. S4 Effect of the main forms of phosphate existing in the domestic wastewater on simultaneous adsorption of fluoride and phosphate ($C_{0(F)}=10$ mg/L, pH 7.0, reaction temperature 298 K)



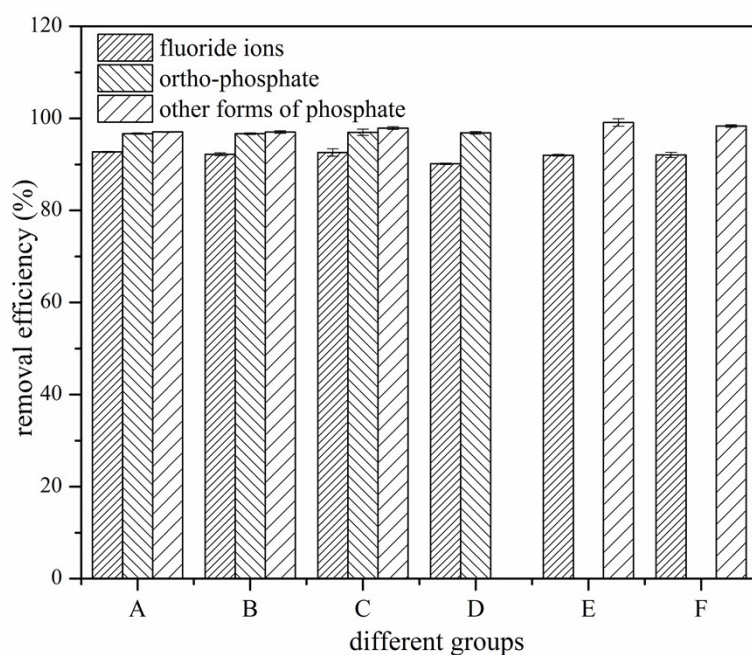
Supplementary Fig. S1



Supplementary Fig. S2



Supplementary Fig. S3



A, B, C, D, E and F reflect the different groups which coexist with fluoride ions in aqueous solution, i.e., A: orthophosphate, pyrophosphate and polyphosphates; B: orthophosphate and polyphosphates; C: orthophosphate and pyrophosphate; D: orthophosphate; E: polyphosphates; F: pyrophosphate.

Supplementary Fig. S4