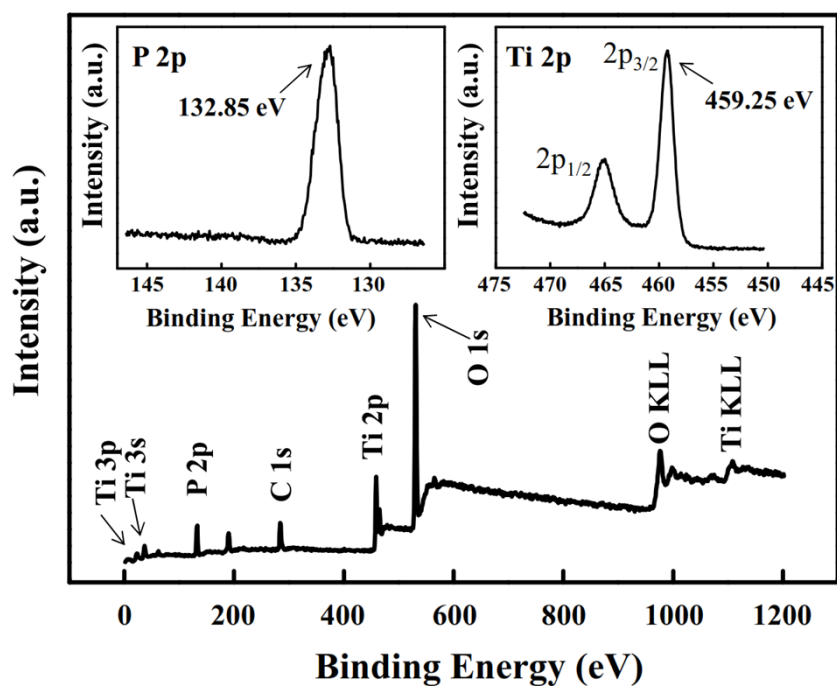


**Fabrication of Titanium Phosphate@Graphene Oxide  
Nanocomposite and its Super Performance on Eu<sup>3+</sup> Recycling**

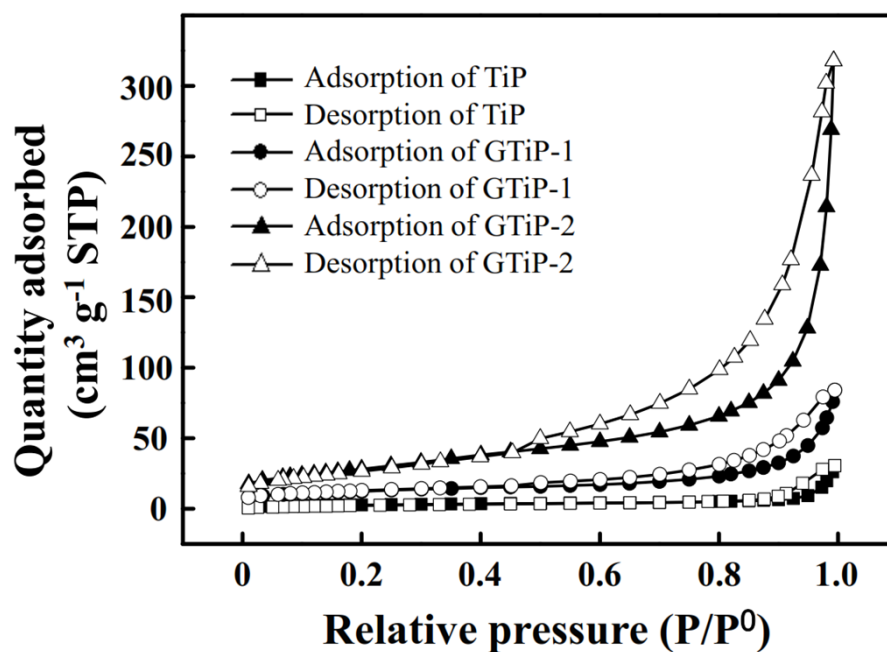
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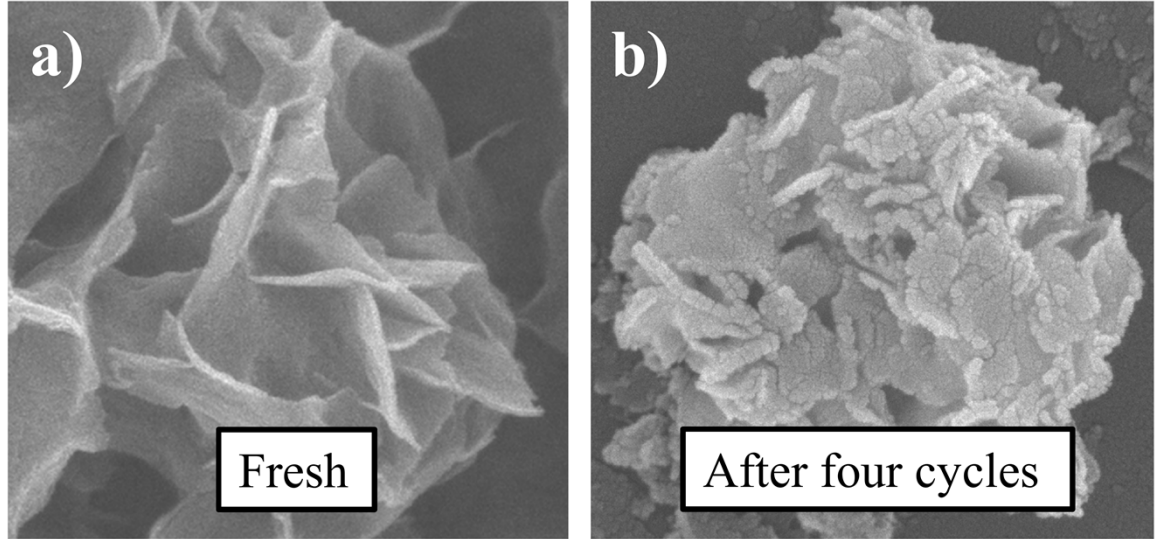


**Figure S1.** XPS spectra of TiP. Wide scan (below), P 2p spectra (upper left), Ti 2p spectra (upper right).



**Figure S2.**  $N_2$  adsorption–desorption isotherms of TiP, GTiP-1 and GTiP-2 at 77 K

$$\begin{aligned}
& [20 \times \text{GTiP-1} - (1 \times \text{GO} + 19 \times \text{TiP})] / (1 \times \text{GO} + 19 \times \text{TiP}) \times 100\% \\
& = [20 \times 35.21 - (1 \times 20.62 + 19 \times 16.02)] / (1 \times 20.62 + 19 \times 16.02) \times 100\% \\
& = 116.6\% \qquad \qquad \qquad (\text{S1})
\end{aligned}$$



**Figure S3.** SEM images of GTiP-1 which are a) fresh and b) regenerated samples.