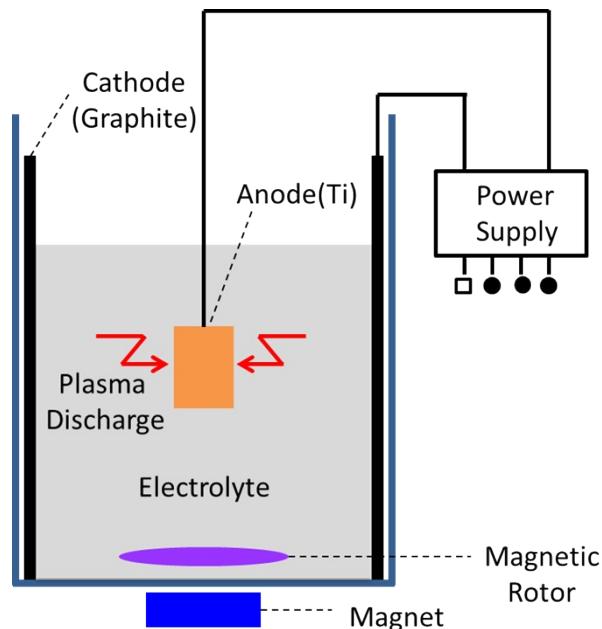


Supplementary Information

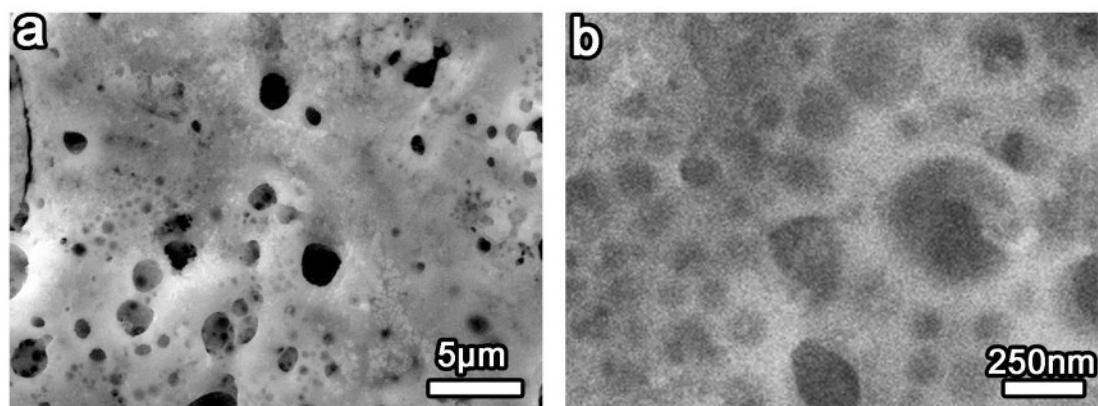
## New strategy to the in-situ synthesis of single-crystalline MnWO<sub>4</sub>/TiO<sub>2</sub> photocatalysts for efficient and cyclic photodegradation of organic pollutant

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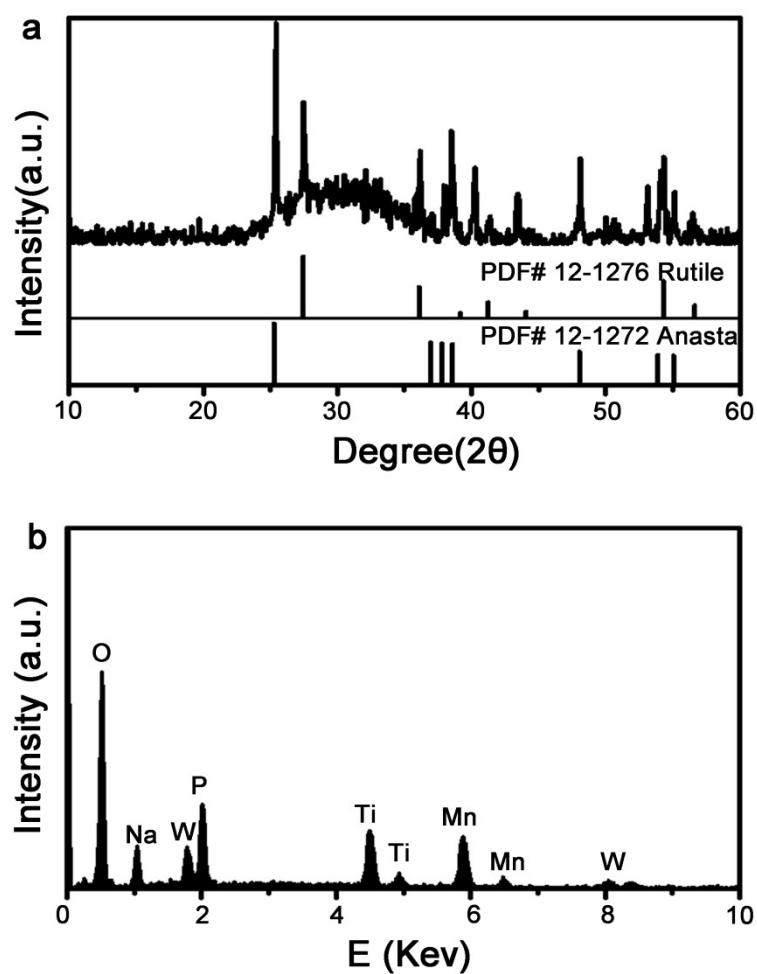
To whom correspondence should be addressed: [baodanliu@hotmail.com](mailto:baodanliu@hotmail.com)



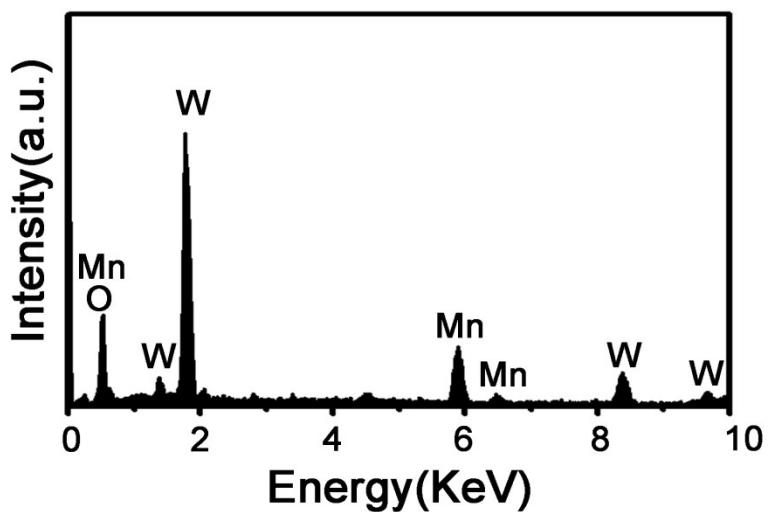
**Figure S1.** Schematic diagram of the experimental setup for PEO.



**Figure S2.** (a, b) Top-view SEM images of TiO<sub>2</sub> film.



**Figure S3.** (a) XRD and (b) EDS result of TiO<sub>2</sub> film, respectively.



**Figure S4.** EDS result of  $\text{MnWO}_4$  nanoplates obtained at  $850^\circ\text{C}$