**Supporting Information**

**Fig. S1** The molecule structure of methyl orange (MO)

**Fig. S2** Thermogravimetric analysis of the as-prepared α-SnWO₄/RGO nanocomposite

**Fig. S3** N₂-sorption isotherm of α-SnWO₄/RGO nanocomposite. (inset: BJH pore size distribution)

**Fig. S4** Temporal absorption spectral patterns of MO during the photodegradation process over (a) α-SnWO₄ and (b) α-SnWO₄/RGO

**Fig. S5** Temporal change of MO concentration as monitored by the UV-vis absorption spectra at 464 nm over (a) α-SnWO₄/RGO in darkness, (b) α-SnWO₄ and (c) α-SnWO₄/RGO under visible light irradiations (λ≥420 nm)
Fig. S1
Fig. S2
Fig. S3
Fig. S4

(a) Absorbance spectra of the original solution and after absorption for different time intervals (0.5h, 1h, 2h, 3h, 4h, 5h, 6h).

(b) Absorbance spectra of the original solution and after absorption for different time intervals (0.5h, 1h, 2h, 3h, 4h, 5h, 6h).
Fig. S5

The figure shows the absorbance (Abs) over time (Time (h)) for different conditions:

- **(a)**: Dark condition showing a decrease in absorbance over time.
- **(b)**: Light on condition showing a decrease in absorbance over time.
- **(c)**: Another condition showing a decrease in absorbance over time, similar to (b).

The graph is labeled with 'dark' and 'light on', indicating the conditions under which the measurements were taken.