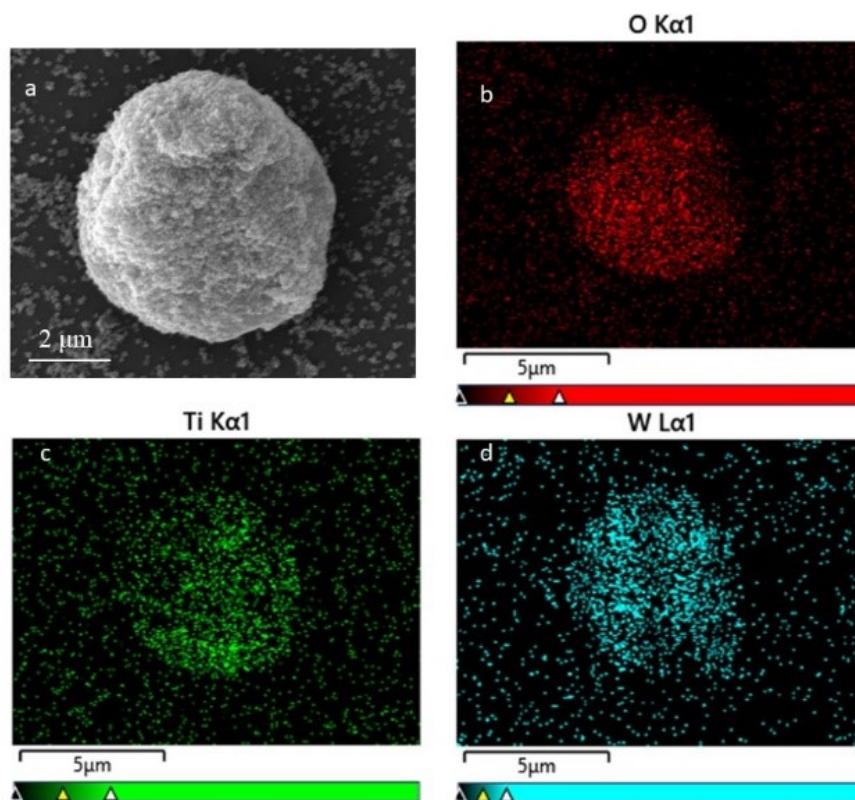


Supplementary data

WO₃/MIL-125 (Ti) composite material for enhancing the reduction of Cr (VI) under visible light

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(a) and MIL-125 (Ti) (b)₃Fig. S3 Mott-Schottky plots for WO₃Fig. S1 Mapping of W90M10 (a). It can be seen from Fig. S1 that each element is evenly dispersed in W90M10.

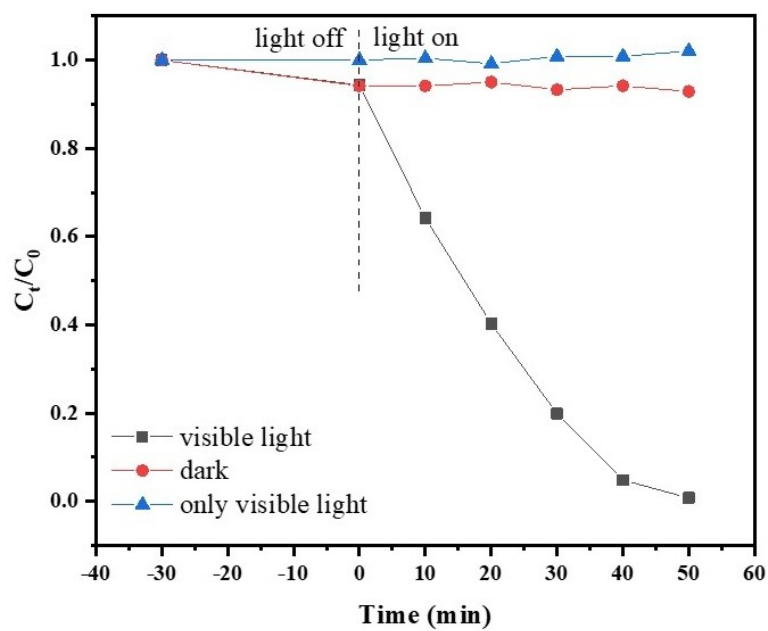
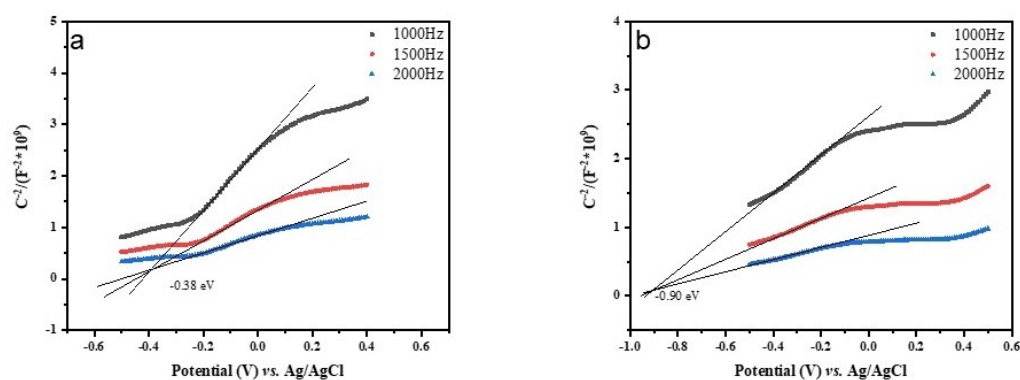


Fig. S2 Cr (VI) reduction efficiency of W90M10 under visible light/dark conditions and only visible light conditions



Distribution of O (b), Ti (c), and W (d)

Table S1 Comparison of photocatalytic performance of different catalysts for Cr (VI) reduction

Catalyst	Light source	The amount of catalyst	Cr (VI) concentration	Photocatalysis Degradation time/rate	pH	Reference
Ti ³⁺ /TiO ₂	LED light	1 mg/mL	50 mL 10 ppm	100 min 43 %	3	S1
MgCr ₂ O ₄ /WO ₃	Sunlight	1 mg/mL	30 ppm	120 min 100 %	4	S2
MIL-100 (Fe)/TiO ₂	Xenon lamp	1 mg/mL	50 mL 10 ppm	60 min 50 %	1.9	S3
W90M10	Xenon lamp	1 mg/mL	50 mL 10 ppm	50 min 99.2 %	2	This report

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