

The effect of cerium alteration on the photocatalytic performance of WO₃ in sunlight exposure for water decontamination

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Electronic Supplementary Information

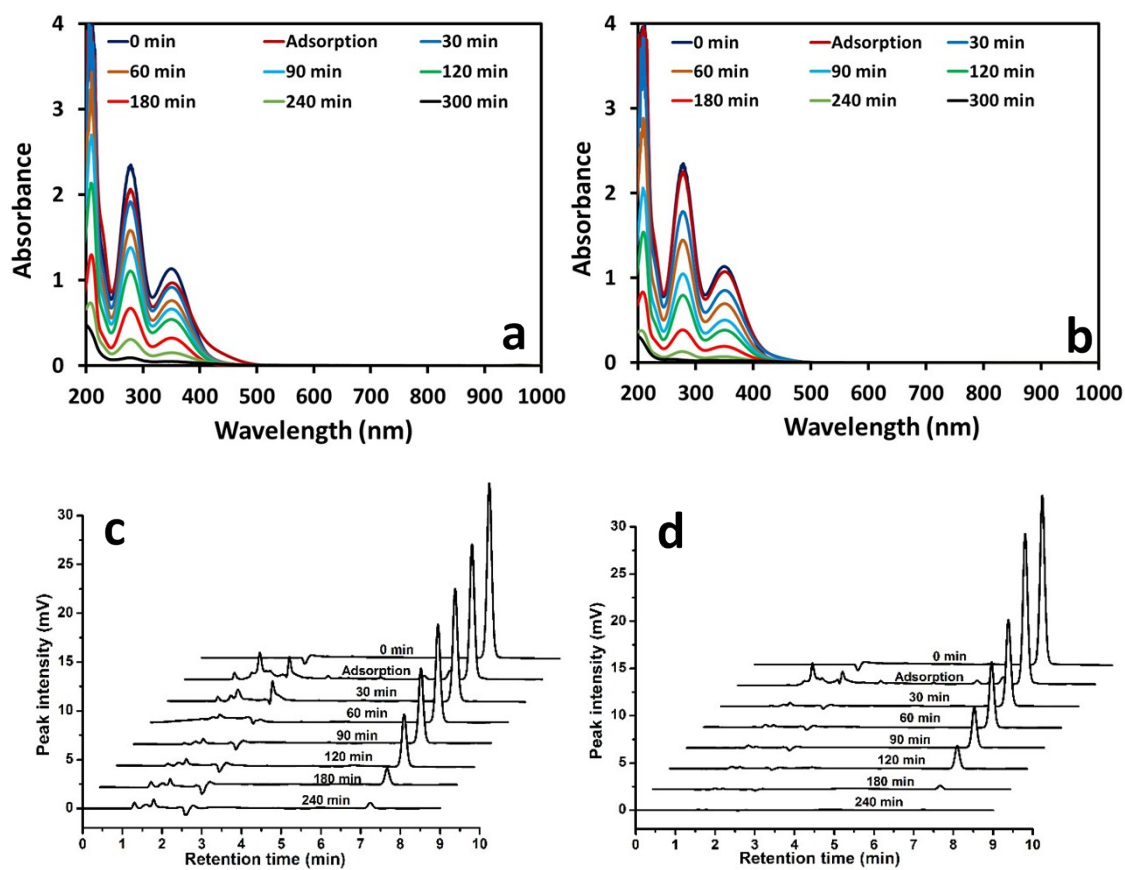


Fig. S1. The comparison of the UV-visible degradation profiles of 2-NP over pure and 20% Ce³⁺ impregnated WO₃ are presented in (a) and (b), whereas that of HPLC degradation profiles of 2-CP on the same catalysts in sunlight exposure are presented in (c) and (d).

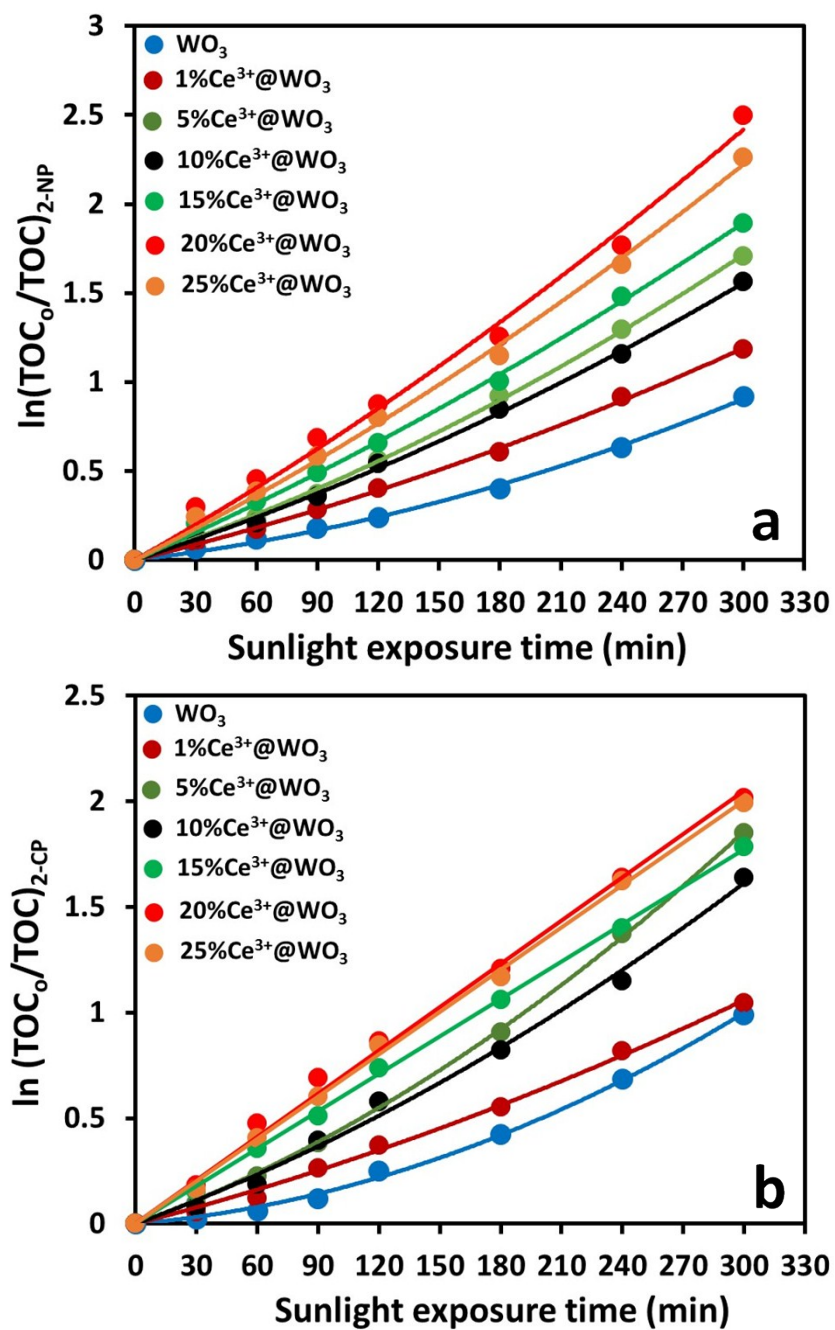


Fig. S2. The graphical evaluation of the rates of mineralization of 2-NP (a) and 2-CP (b) in sunlight exposure over pure WO₃, 1%, 5%, 10%, 15%, 20% and 25% Ce³⁺ impregnated WO₃.

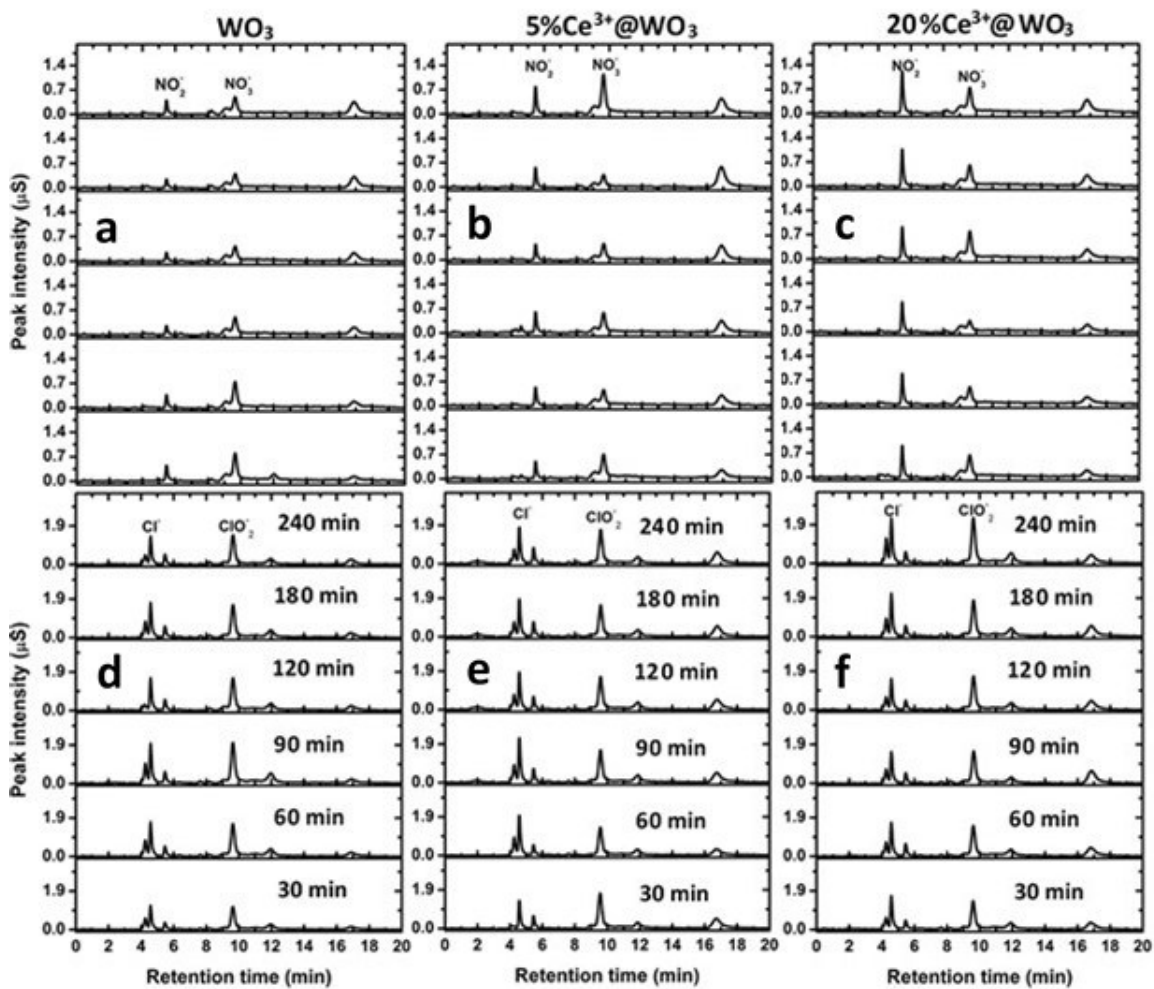


Fig. S3. The comparison of the IC profiles for the release of ions during the degradation of 2-NP (a, b, c) and 2-CP (d, e, f) in the presence of pure WO_3 , 5% and 20% Ce^{3+} impregnated WO_3 .