

Supplementary Information for

TiO₂-Mesoporous Silica Nanocomposites: cooperative effect in the photocatalytic degradation of dyes and drugs

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Figure S1: Representative TEM micrographs of MSN (a), 10TiO₂-MSN (b) and 20TiO₂-MSN (c), 30TiO₂-MSN (d) and 40TiO₂-MSN (e).

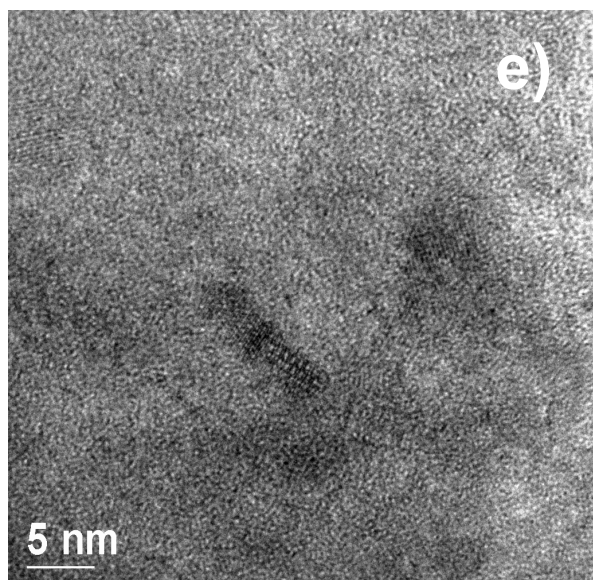
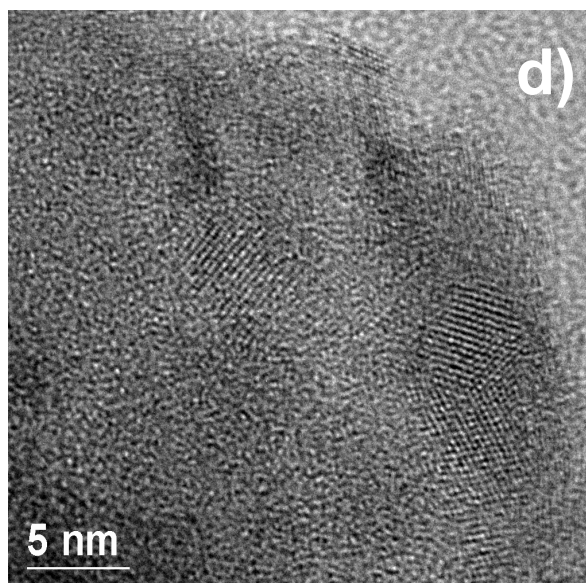
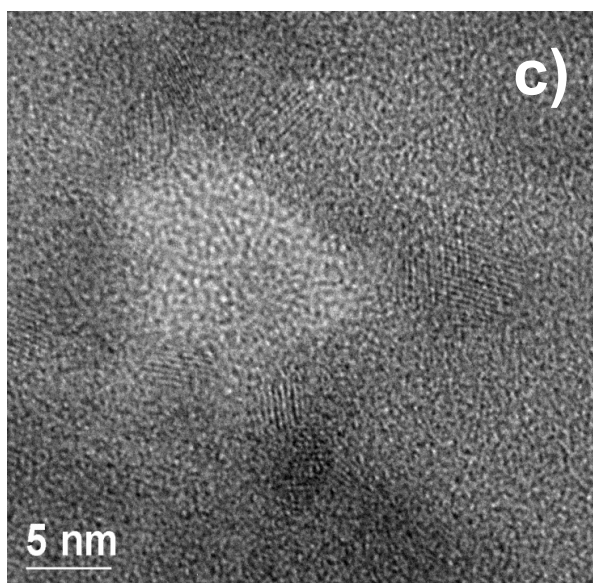
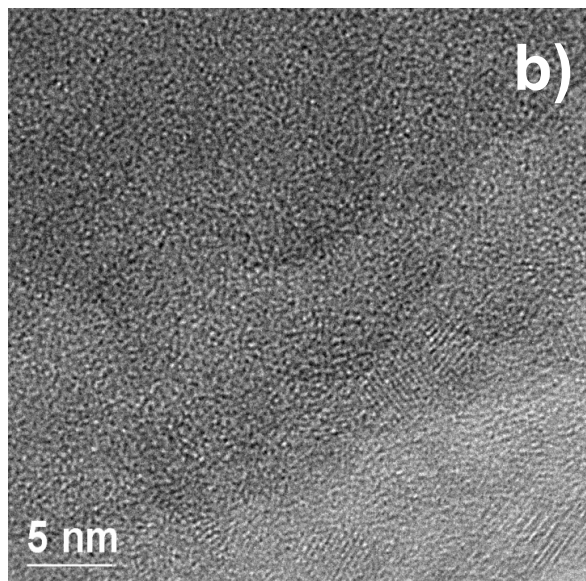
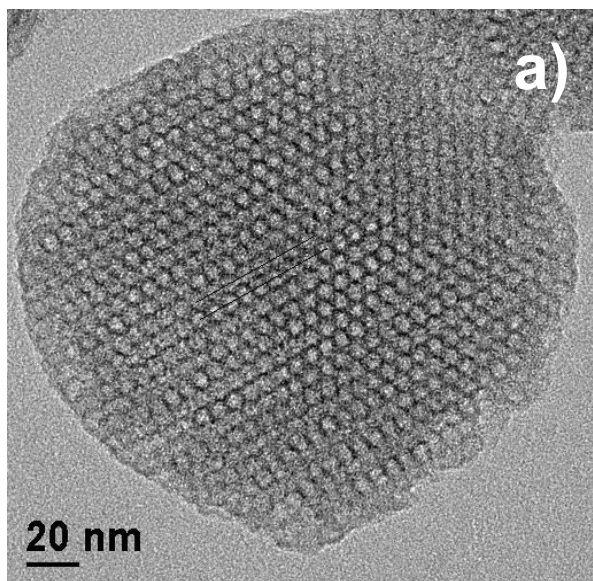


Figure S2: O 1s photoelectron profile of 10TiO₂-MSN sample.

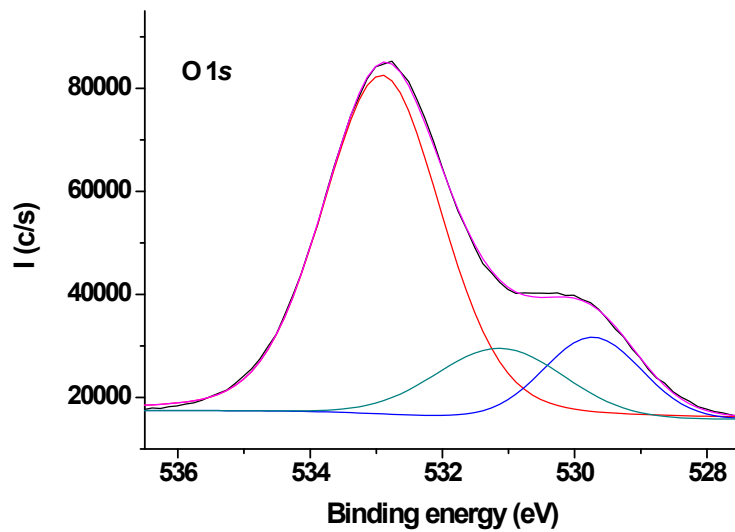


Figure S3: Diffusive reflectance UV-Vis spectra of the MSN sample.

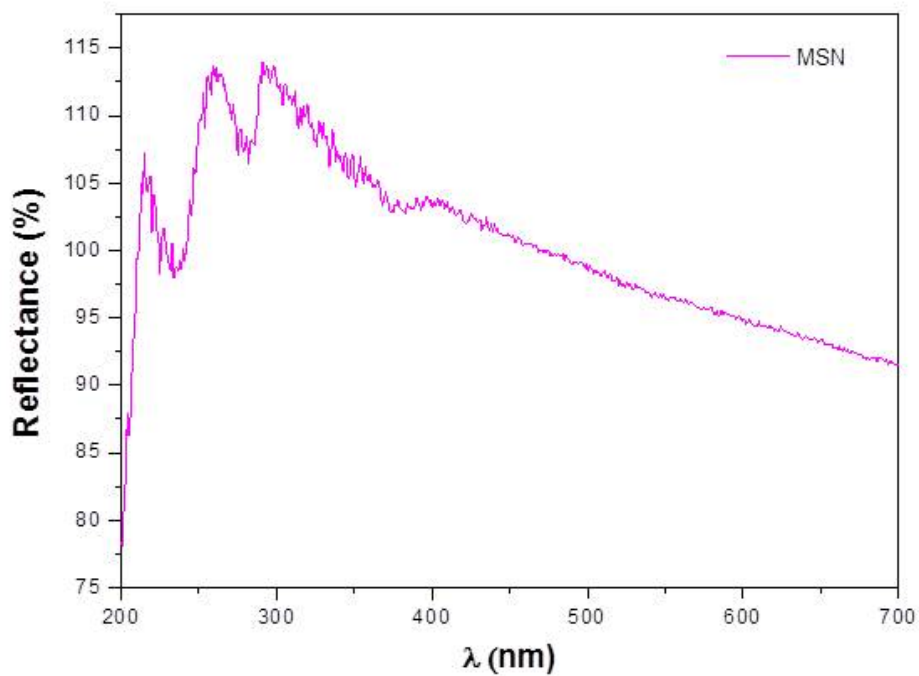


Figure S4: Degradation profiles of aqueous Methylene Blue (MB) under UV-vis illumination over 10TiO₂-MSN (a), 20TiO₂-MSN (b), 30TiO₂-MSN (c) and 40TiO₂-MSN (d).

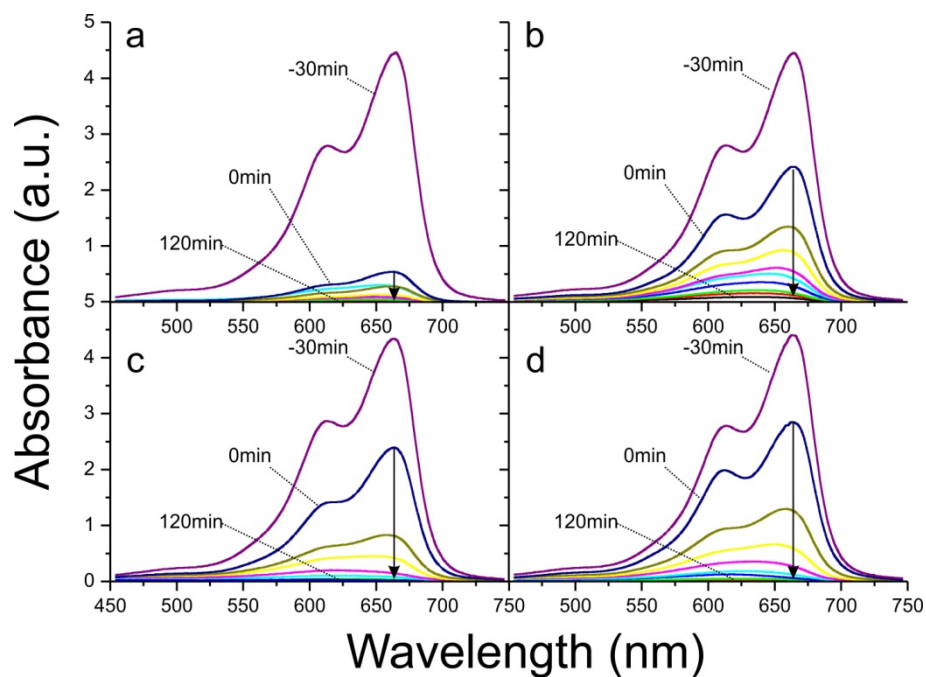


Figure S5: Degradation profiles of aqueous Methylene Blue (MB) under UV-vis illumination during 4 consecutive experiment over 30TiO₂-MSN.

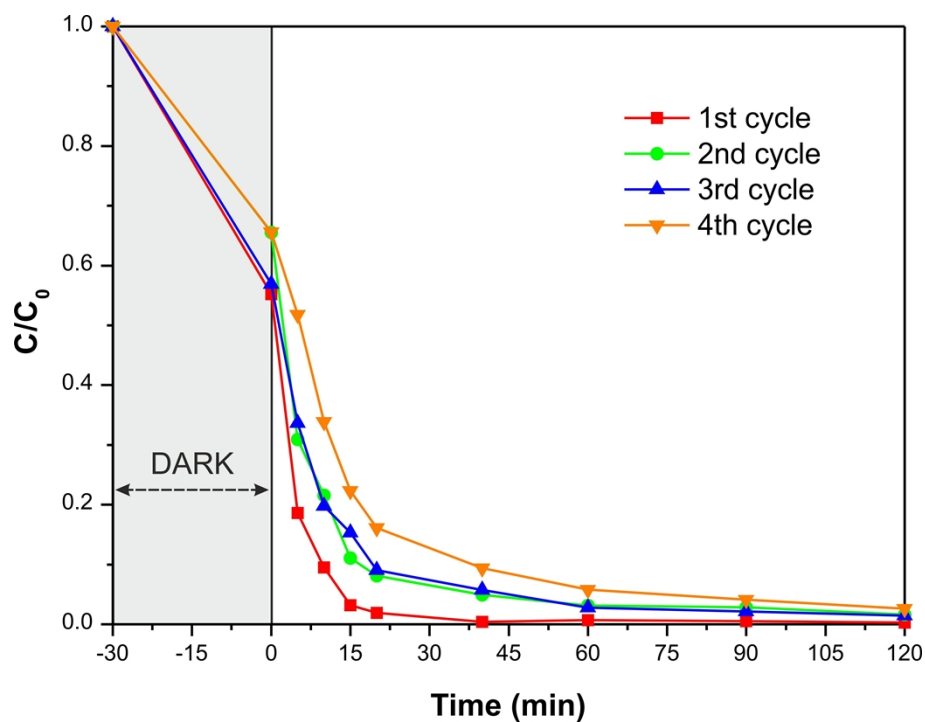


Figure S6: Degradation profiles of aqueous Methyl Orange (MO) under illumination over 10TiO₂-MSN (a), 20TiO₂-MSN (b), 30TiO₂-MSN (c) and 40TiO₂-MSN (d).

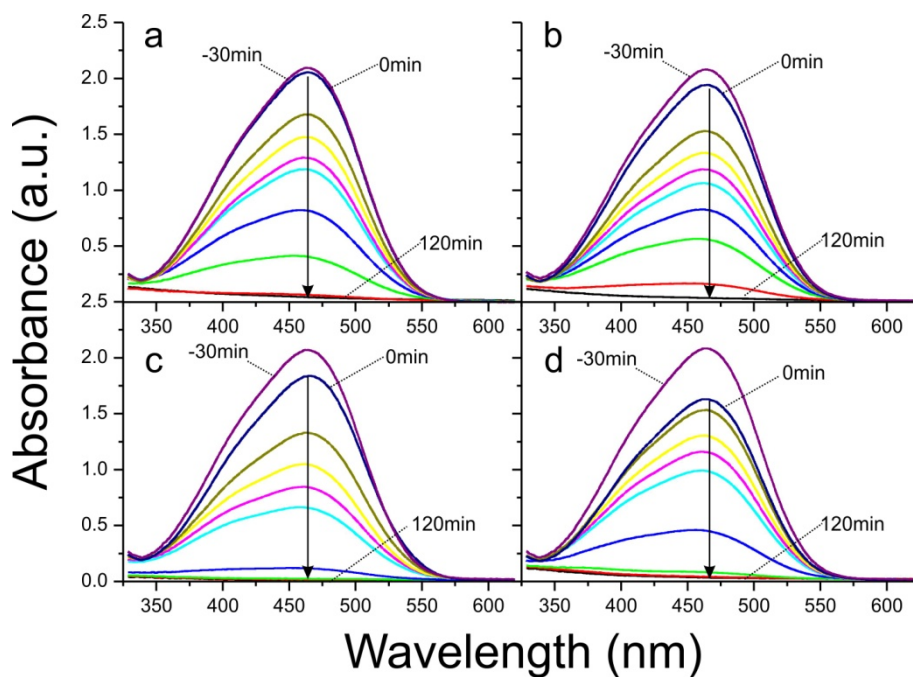


Figure S7: Degradation profiles of aqueous Methyl Orange (MO) under UV-vis illumination during 4 consecutive experiment over 30TiO₂-MSN.

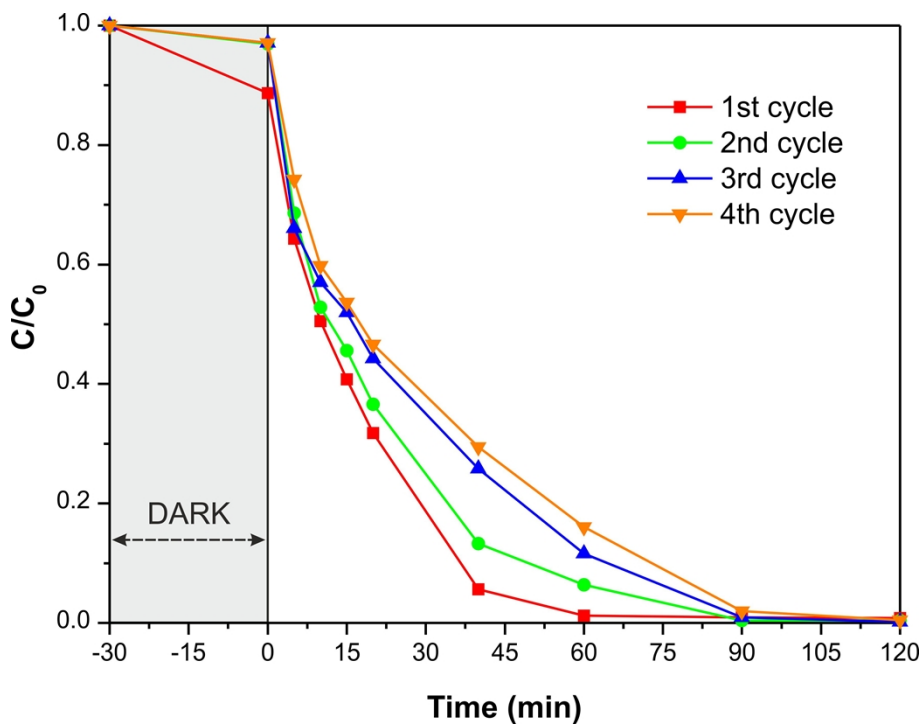


Figure S8: Degradation profiles of aqueous paracetamol under illumination over 10TiO₂-MSN (a), 20TiO₂-MSN (b), 30TiO₂-MSN (c) and 40TiO₂-MSN (d).

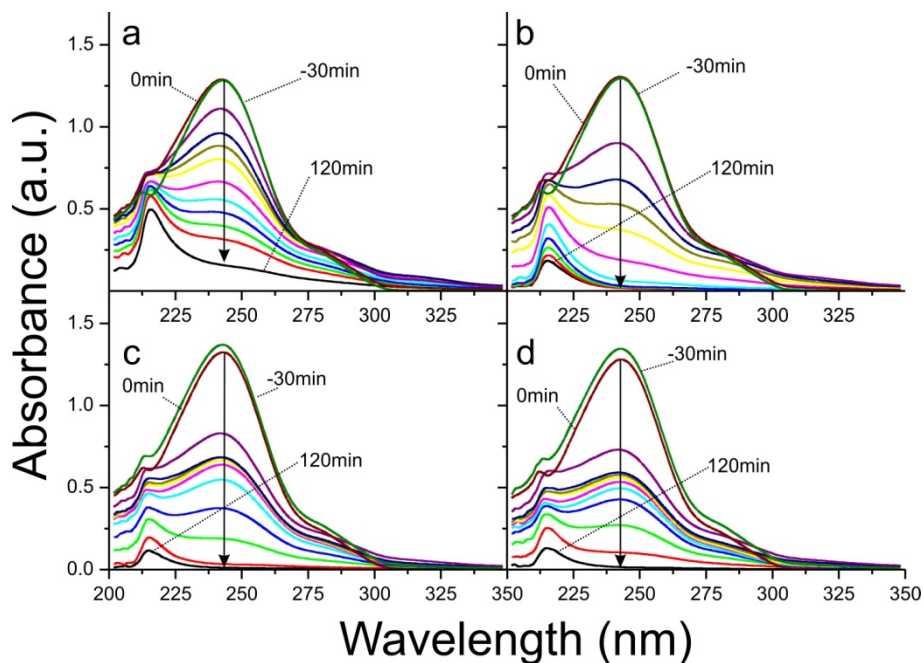


Figure S9: Degradation profiles of aqueous paracetamol under UV-vis illumination during 4 consecutive experiment over 20TiO₂-MSN.

