Electronic Supplementary Information

Synthesis of new graphene oxide/TiO_2 and TiO_2/SiO_2 nanocomposites and their evaluation as photocatalysts

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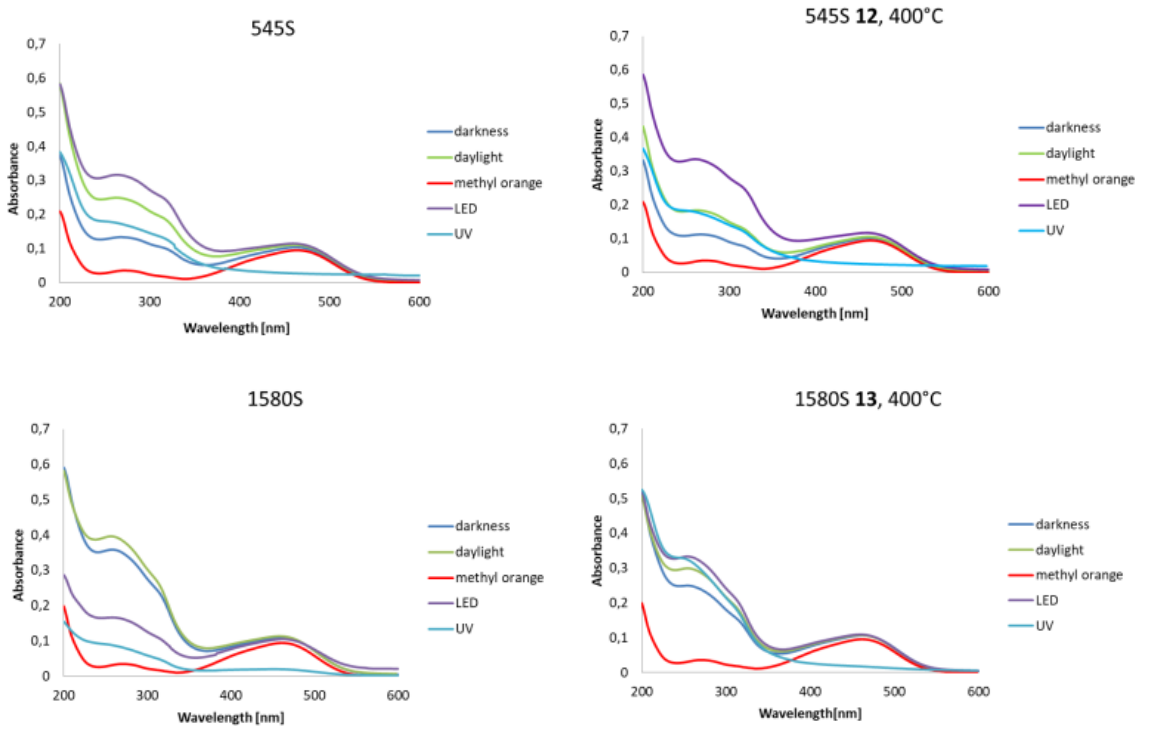
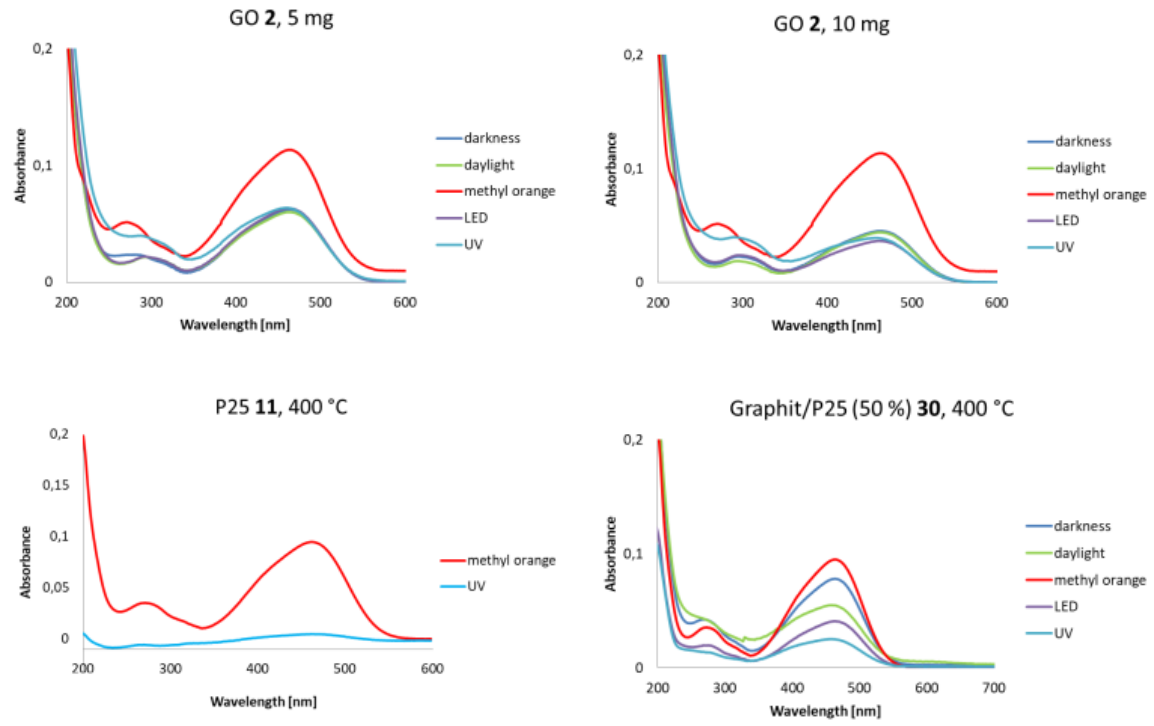
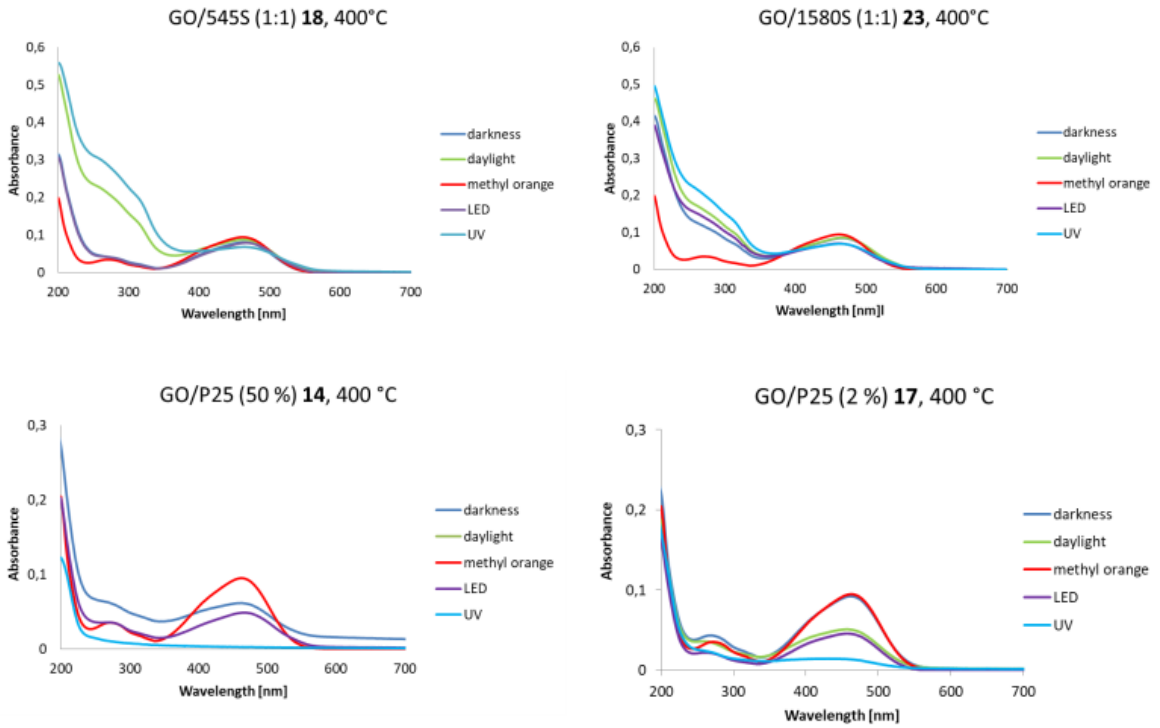


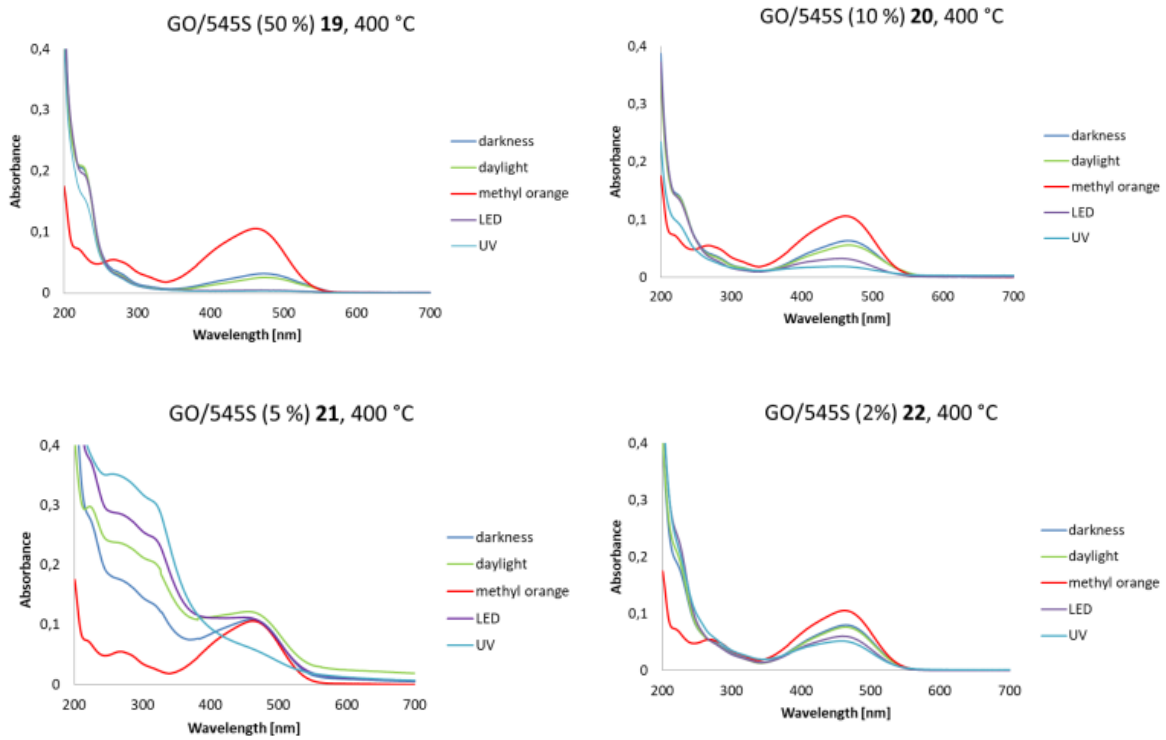
Scheme S1. UV-vis spectra of MO and pure titanium dioxides 545S and 1580S with and without heat treatment after30 min irradiation.



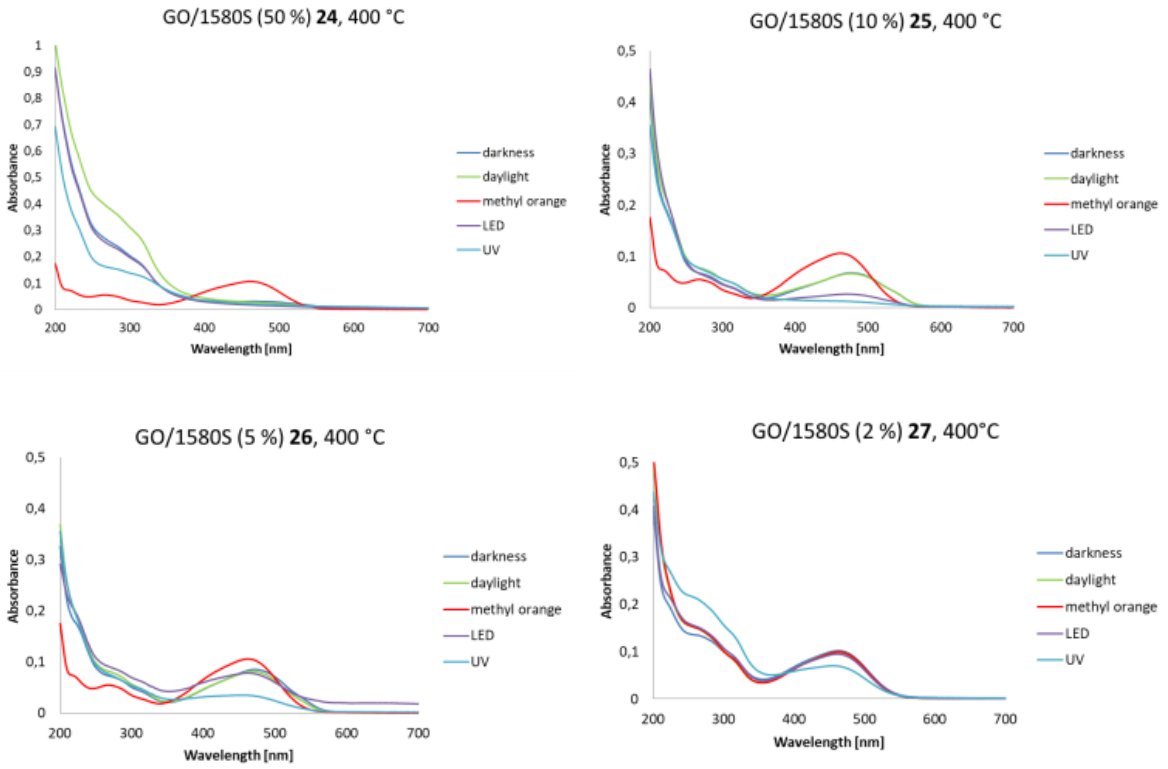
Scheme S2. UV-vis spectra of the materials used and the mass dependency.



Scheme S3. UV-vis spectra of different composites based on graphene oxide and the mass dependency (UV-vis of **14**: daylight and LED overlap).



Scheme S4. UV-vis spectra of different composites based on graphene oxide and 545S (P25+ 5 wt.-% SiO_2) and the mass dependency (UV-vis of **19**: LED and UV overlap).



Scheme S5. UV-vis spectra of different composites based on graphene oxide and 1580S (P25+ 15 wt.-% SiO_2) and the mass dependency.