Selective oxidation of HMF by heterogeneous and photocatalytic processes using metal supported catalysts

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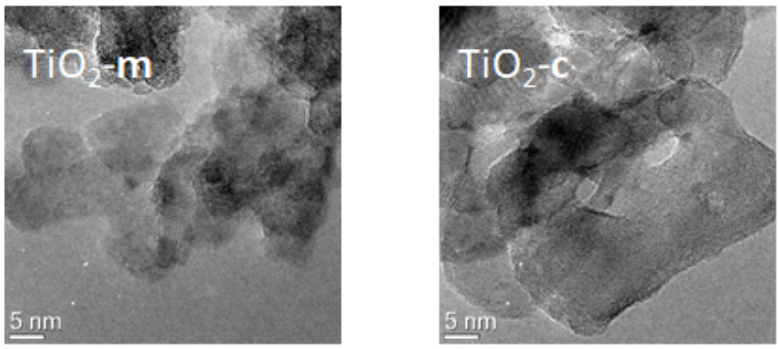

Figure S1. TEM images of the studied titania support. TiO_2-m (microemulsion) and TiO_2-c (commercial).

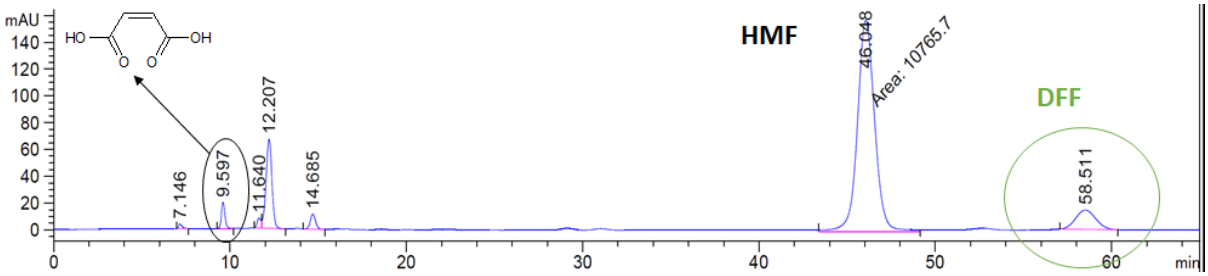

Figure S2. HPLC analysis of the reaction mixture TiO_2-m (microemulsion) and TiO_2-c (commercial) catalysts.

Table S1. Solar simulator and reactor technical parameters.

Solar simulator	
Producer	LOT-QuantumDesign
Solar simulator	LS0306
Power supply	LSN254
Lamp type	300 W xenon short arc
Spectral range	250-2500 nm
Illumination diameter	40 mm
Irradiance	1 sun @ 180 mm
Home-made glass Reactor	
Material	Glass
Type	Batch
Total volume	217 cm^3
Diameter	46 mm
Components	Jacket of circulating cooling bath, inlet and outlet, quartz disk on the top for maintenance of light transmission

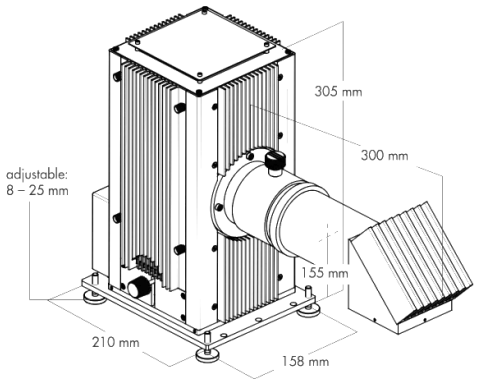

Figure S3. Schematic representation of solar simulator.