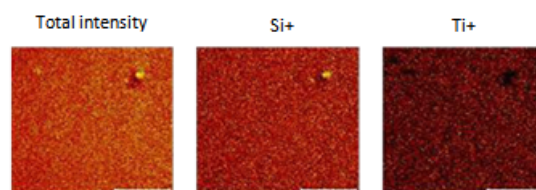


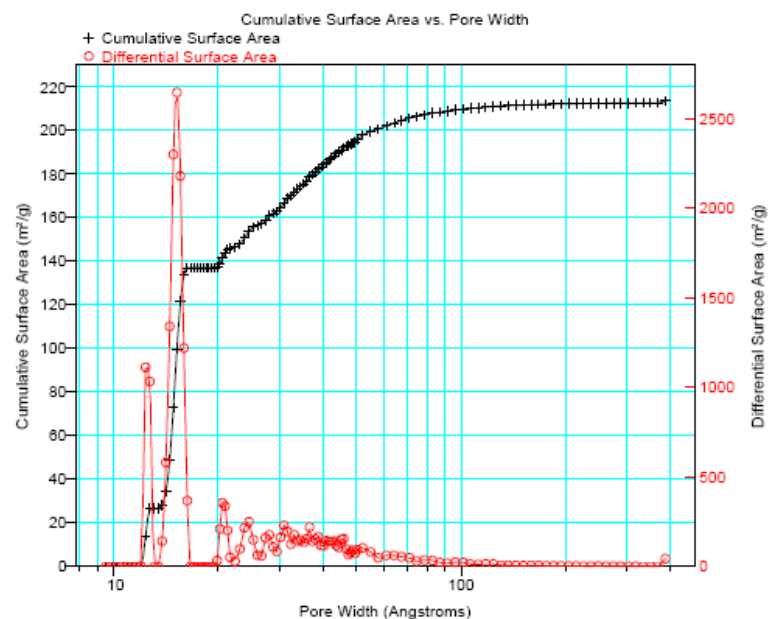
Supporting Information

Mechanical stable and photocatalytic active $\text{TiO}_2/\text{SiO}_2$ hybrid films on flexible organic substrates

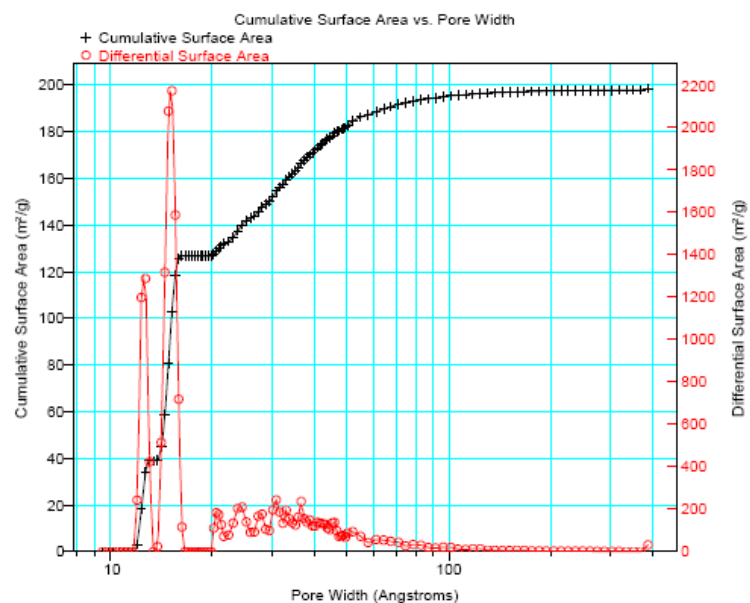
Damia Gregori, Imane Benchena, Frédéric Chaput, Sandrine Therias, Jean-Luc Gardette, Didier Léonard, Chantal Guillard, Stéphane Parola*



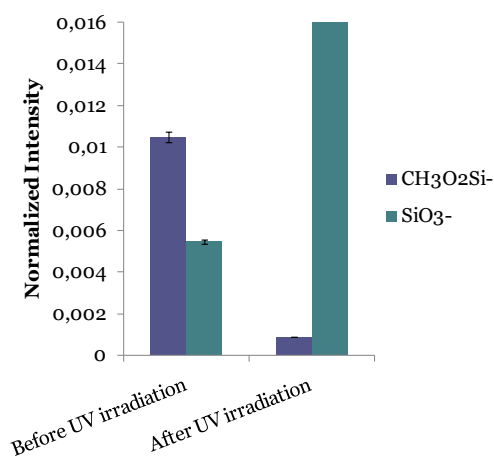
SI-Figure 1. ToF-SIMS imaging: top-surface distribution of the silica (Si^+ secondary ion image) and TiO_2 nanoparticles silica (Ti^+ secondary ion image).



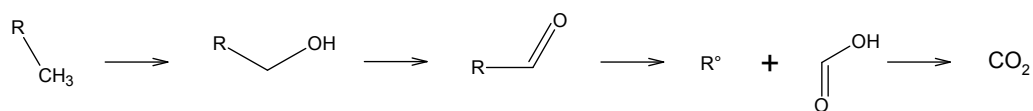
before UV



SI-Figure 2. BET measurement powders elaborated following the same procedures as the films.



SI-Figure 3. ToF-SIMS relative intensities of CH₃O₂Si⁻ and SiO₃⁻ peaks before and after 27 hours of UV treatment.



SI-Figure 4. Photodegradation mechanisms according to J. Chen, D. F. Ollis, W. H. Rulkens, H. Bruning. *Wat. Res.* 1999, 33 (3), 669-676)