Supporting Information Available

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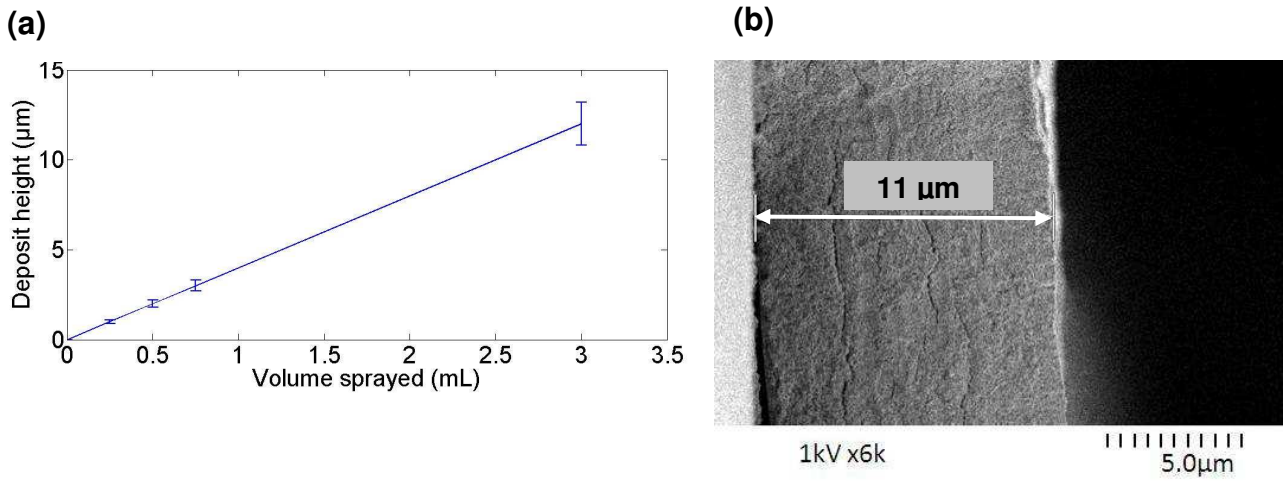

Figure S1. (a) Thickness of the deposit as a function of the amount of colloidal solution sprayed onto the substrate. (b) SEM cross-sectional view of TiO_2 thick film spray deposited with cracks separated by ~3µm.

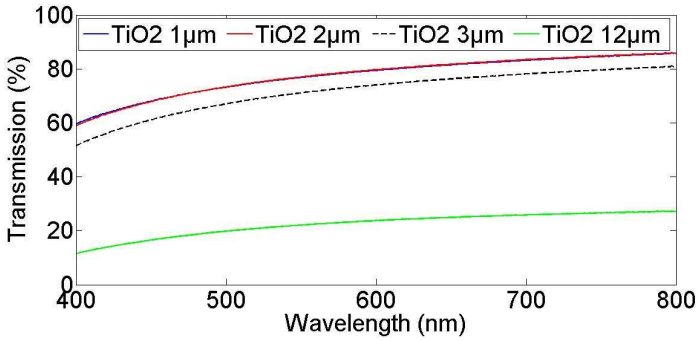

Figure S2. Transmission measurements on TiO_2 films of various thicknesses (e=1-2-3-12 µm). One and two micrometers thick TiO_2 films have the same transmission properties (red and blue solid lines) whereas the three micron one (black dashed line) presents a lower one due to crack in the volume. By extension, the thicker one has more cracks and is more scattering (green solid line).