

SUPPLEMENTARY MATERIAL TO
**The synthesis of transparent TiO₂ photoelectrodes assisted by
rheological agents Triton X-100, PVP and F-127 for dye
sensitized solar cells**

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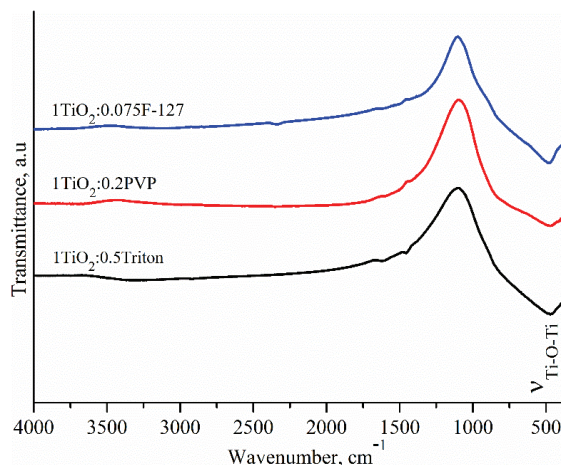


Fig. S-1. Infrared spectra of the TiO₂ powders in the presence of Triton, PVP and F-127 at 500° C for 60 min.

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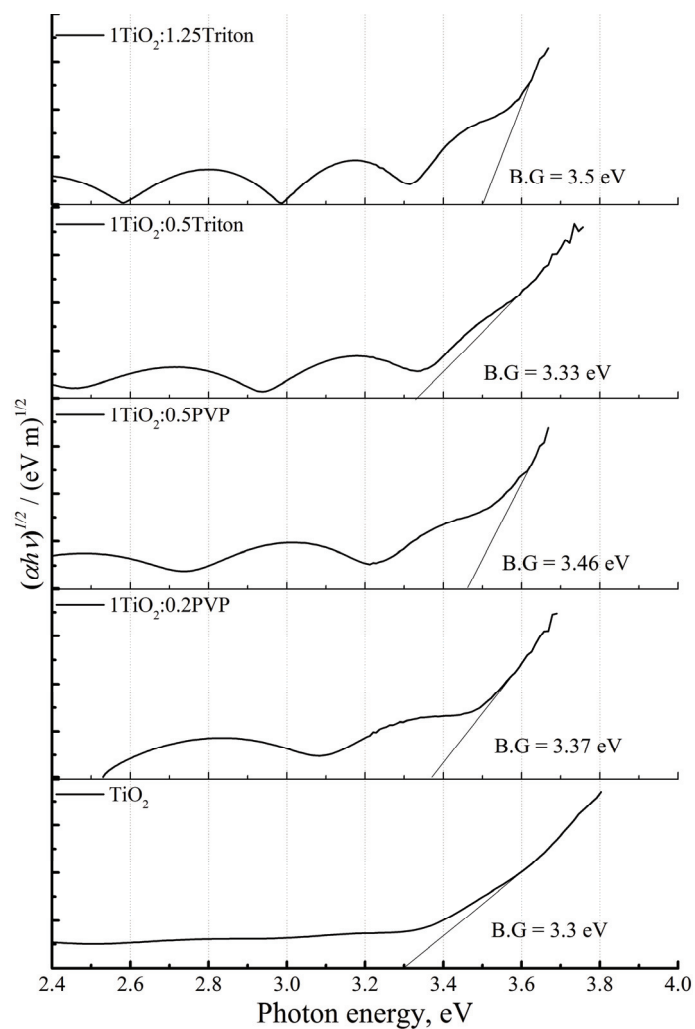


Fig. S-2. $(\alpha h\nu)^{1/2}$ versus photon energy ($h\nu$) for indirect band gap of Triton and PVP assisted TiO₂ films.

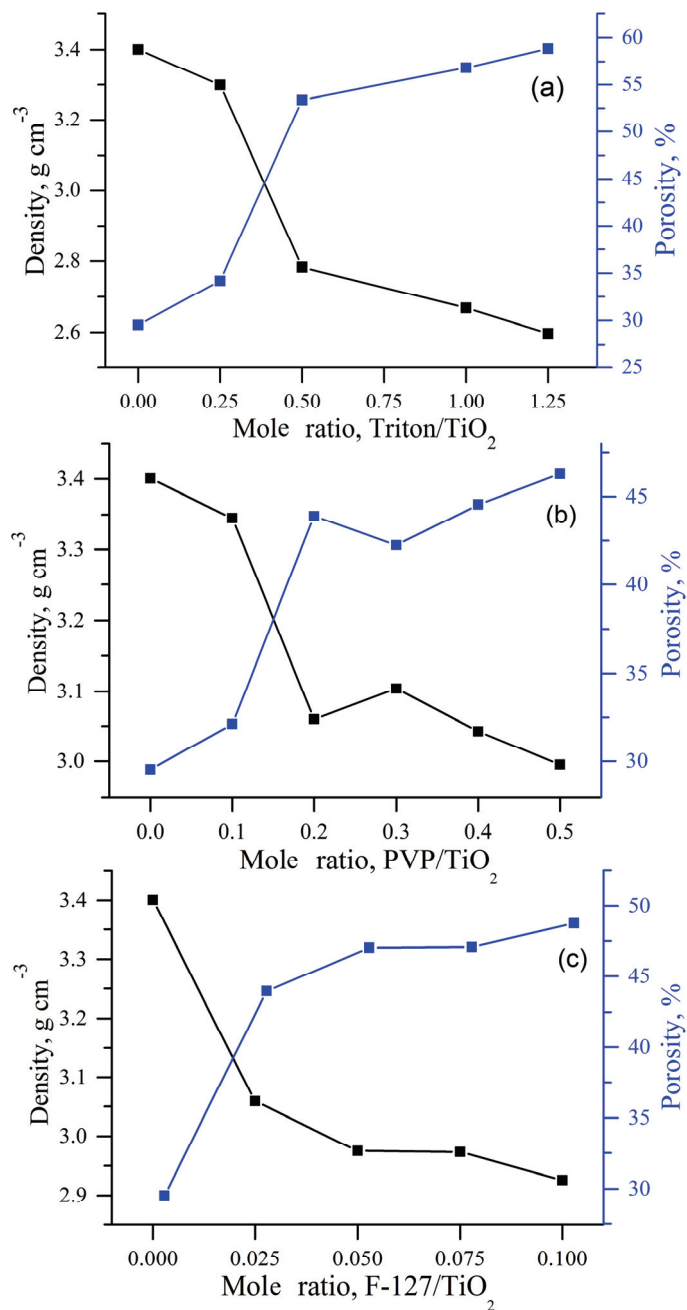


Fig. S-3. Evolution of the density and porosity of the TiO₂ films as a function of the mole ratios of the RAs: a) Triton, b) PVP and c) F-127.

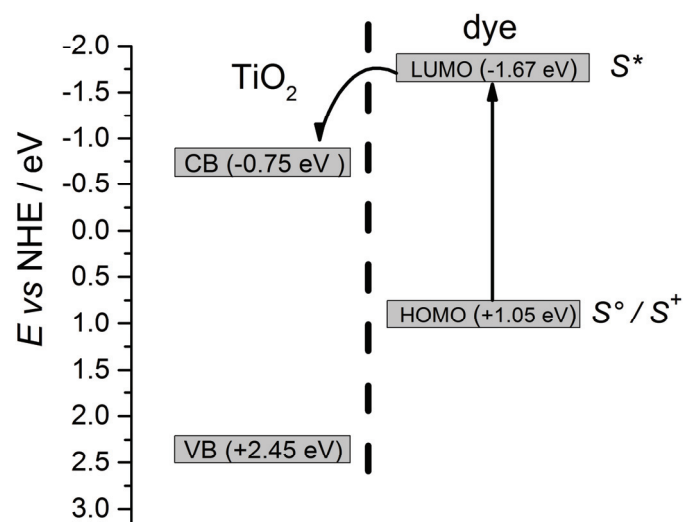


Fig. S-4. Band energy diagram indicating the energy levels and the process that describe the electron injection from the dye to the conduction band of TiO_2 .