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Correction: Ultrafast dye regeneration in a core-shell NiO-dye-TiO₂ mesoporous film

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Correction for 'Ultrafast dye regeneration in a core-shell NiO-dye-TiO₂ mesoporous film' by Lei Tian *et al.*,
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There was an error in the value of the transition energy (E_{0-0}) for the PB6 dye on the electrode, which should be 1.96 eV instead of 2.14 eV. $E_{(PB6^*/PB6^-)}$ is therefore changed to 1.03 V vs. NHE accordingly.

The following figure should be substituted for the incorrect Fig. 1:

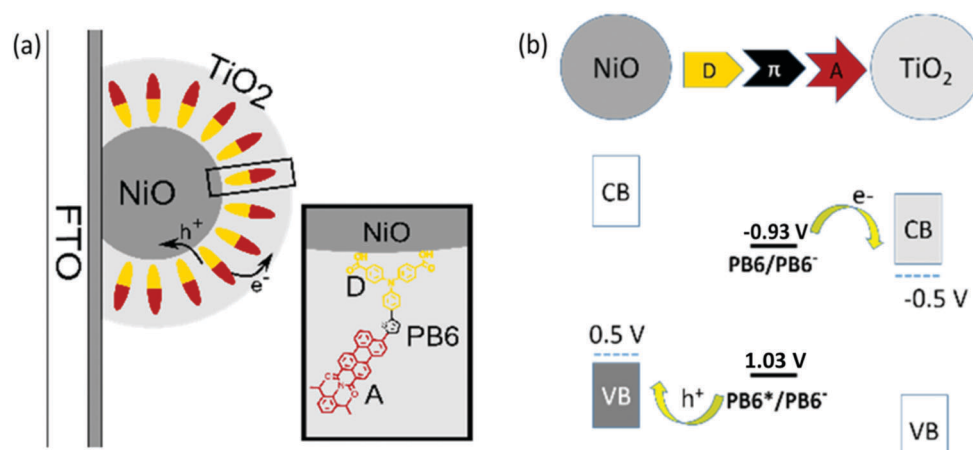


Fig. 1 (a) The proposed well-oriented mesoporous NiO-Dye-TiO₂ core-shell structure and the donor-acceptor dye (PB6) reported in this work. D: electron donor part, triphenylamine (TPA); A: electron acceptor, perylene monoimide (PMI). (b) The schematic drawing of charge transfer processes of PB6 between NiO and TiO₂ including the electrochemical potentials vs. normal hydrogen electrode (NHE). CB: conduction band; VB: valence band; π : conjugated linker.

The following changes should be made accordingly on page 37, 6th paragraph: "The obtained energy alignment indicated that the hole ($\Delta G_0 = -530$ mV) and electron injection ($\Delta G_0 = -430$ mV) into the NiO valence band (VB) and the TiO₂ conduction band (CB), respectively, from the excited PB6 ($E_{0-0} = 1.96$ eV) were thermodynamically favorable, as indicated in Fig. 1b and Table S1 (ESI†)."

Table S1 in the supporting information has been updated accordingly.

These changes do not influence the method used and the conclusions reported in this work.

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The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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