

# **Impact of Neutral and Anion Anchoring Groups on the Photovoltaic Performance of Triphenylamine Sensitizers for Dye-Sensitized Solar Cells**

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- 1.  $^1\text{H}$  NMR spectrum of neutral and anion TPA3T3A dye.**
- 2. Cyclic voltammogram and schematic energy levels of the neutral and anion TPA3T3A dyes.**

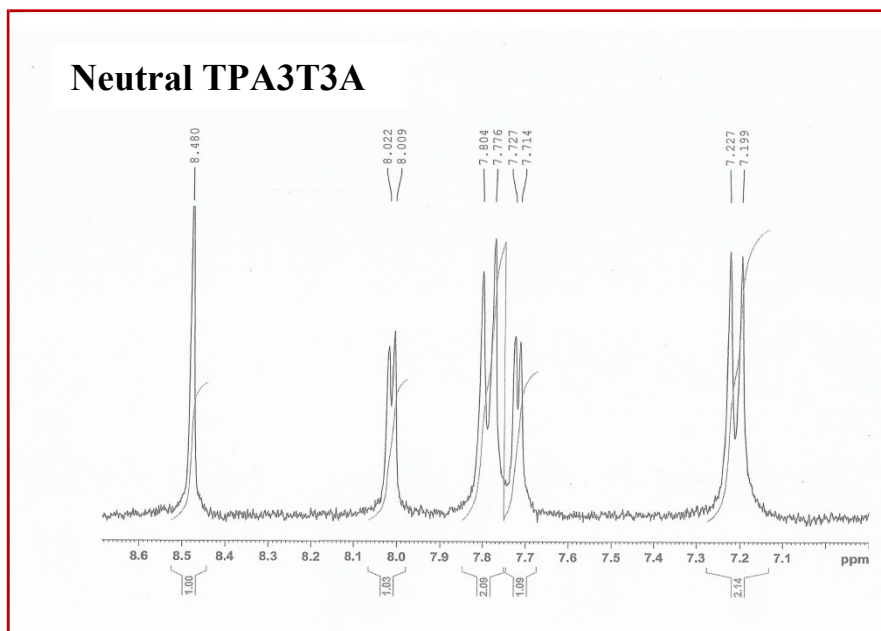


Figure S1: <sup>1</sup>H NMR spectrum of neutral TPA3T3A dye.

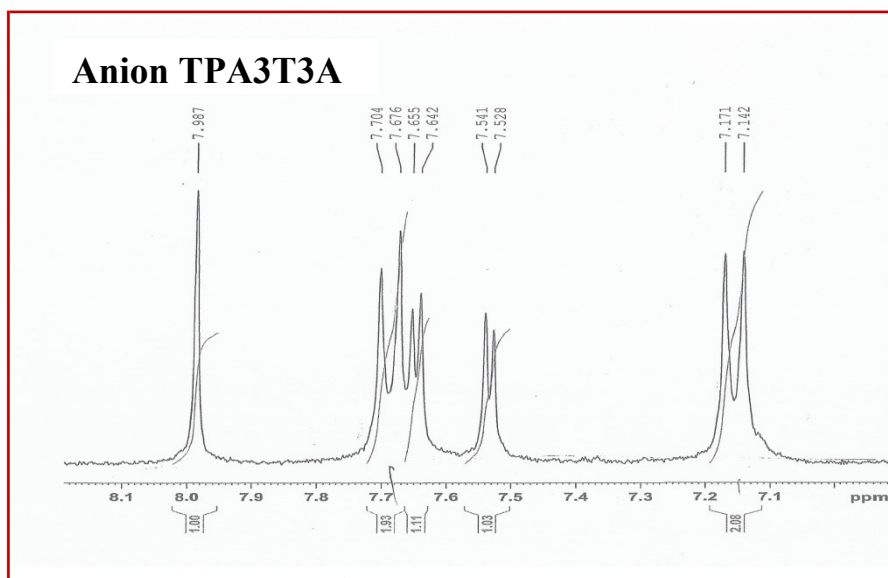


Figure S2:  $^1\text{H}$  NMR spectrum of anion TPA3T3A dye.

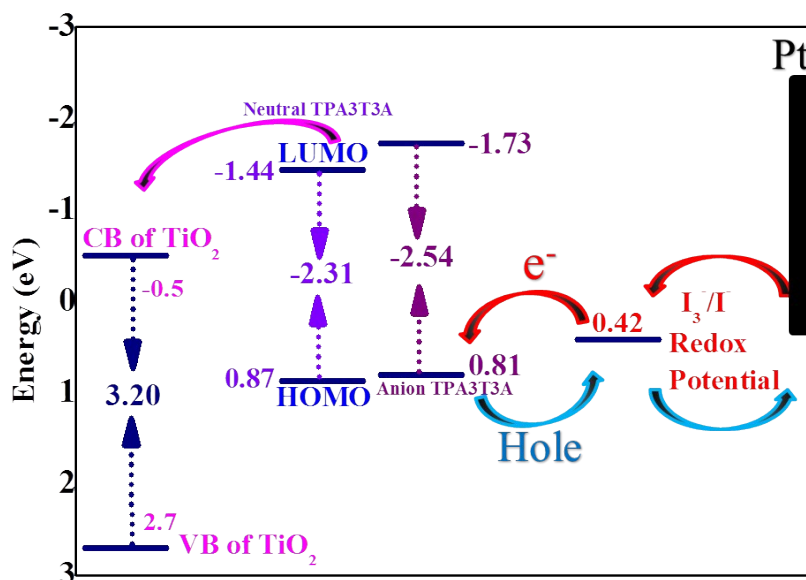
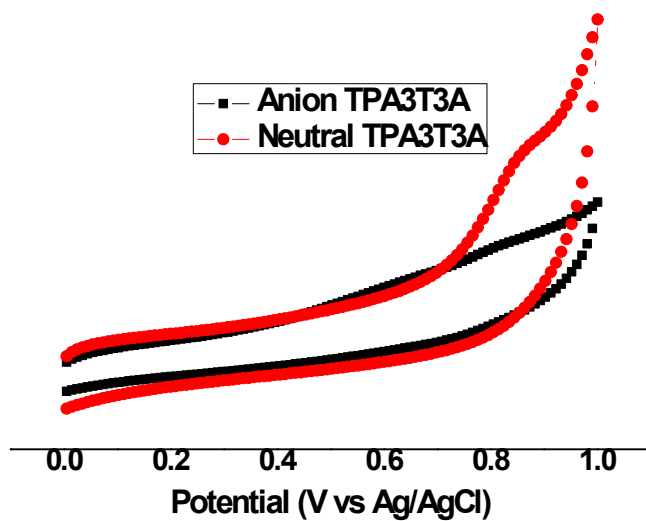


Figure S3: Cyclic voltammogram of neutral and anion dyes (top); and schematic energy levels of the neutral and anion TPA3T3A compared to the TiO<sub>2</sub> conduction band edge and redox potential of the redox couple (bottom).