Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Metal-Organic Green Dye: Chemical and Physical Insight Into a Modified Zn-Benzoporphyrin for Dye-Sensitized Solar Cells.

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Table S1: Time-resolved fluorescence data from multiexponential fitting procedures ($\chi^2 \sim 1$) *

PETBP in CH_3CN			**TiO_2-supported**			**ZrO_2-supported**		
τ_1	**τ_2**	**τ_3**	**τ_1**	**τ_2**	**τ_3**	**τ_1**	**τ_2**	**τ_3**
6.5	1.4	0.23	0.09	0.47	1.34	0.12	0.54	2.5
B_1	**B_2**	**B_3**	**B_1**	**B_2**	**B_3**	**B_1**	**B_2**	**B_3**
60	29	11	56	33	11	68	28	4

* τ= lifetime in ns; **B**= population in %

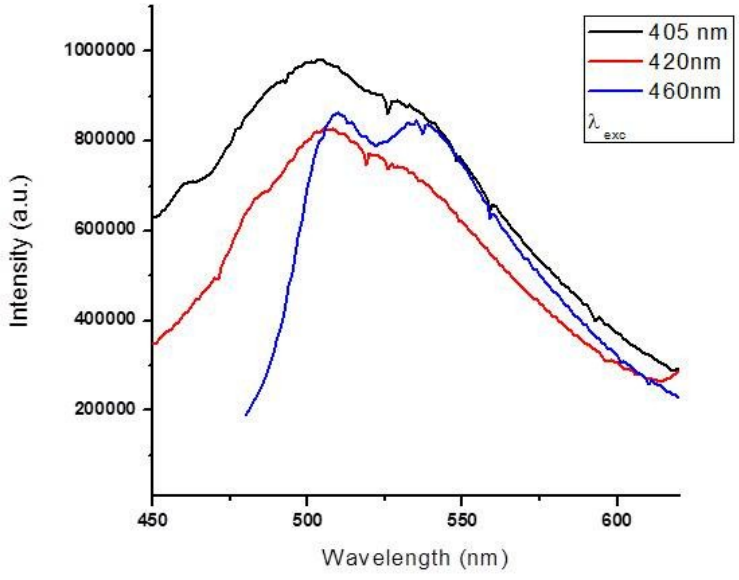

Fig. S1 Different shape of the $S_2 \rightarrow S_0$ fluorescence band at different excitation wavelengths.
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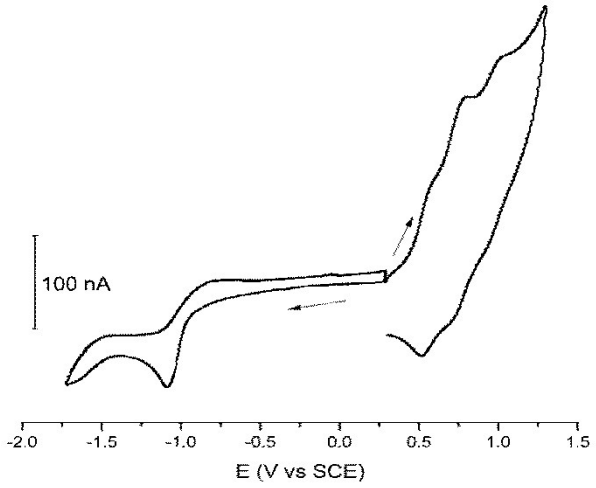

Figure S2: Cyclic voltammetry of **PETBP** in acetonitrile solution, scan rate 100mV/s.

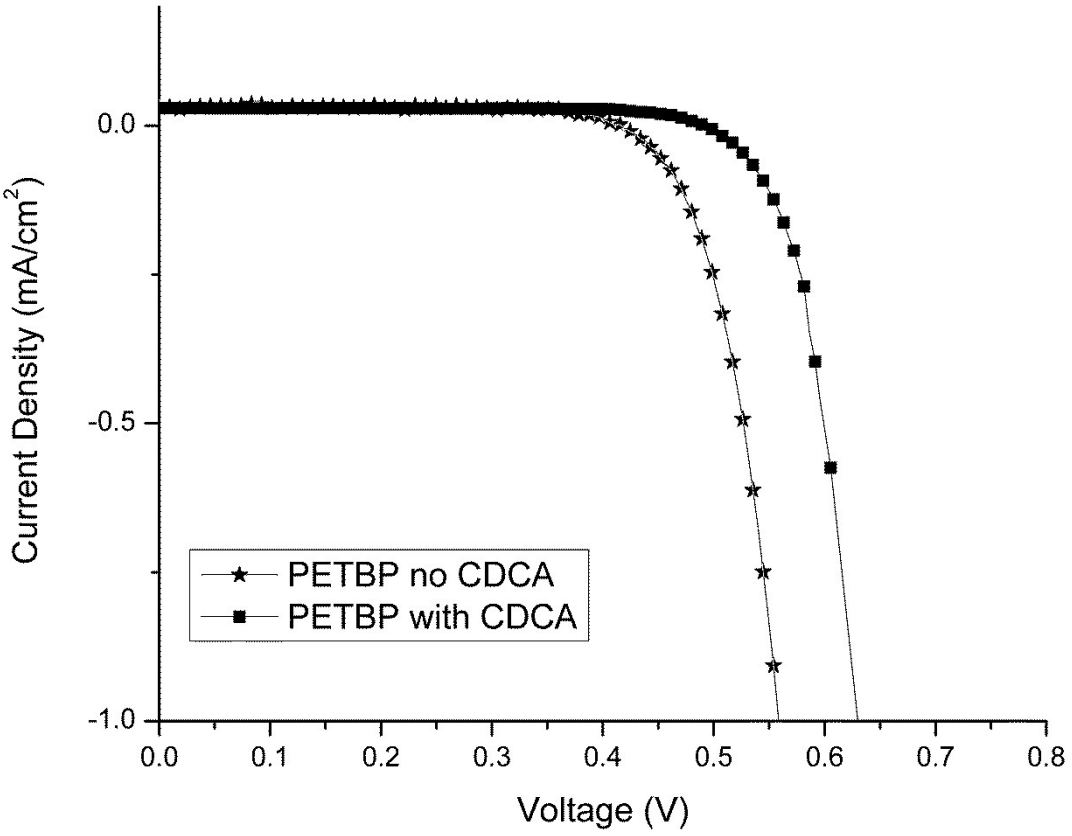

Fig S3: Dark current measurements for DSSC based on **PETBP** with and without CDCA.