

## Supporting Information

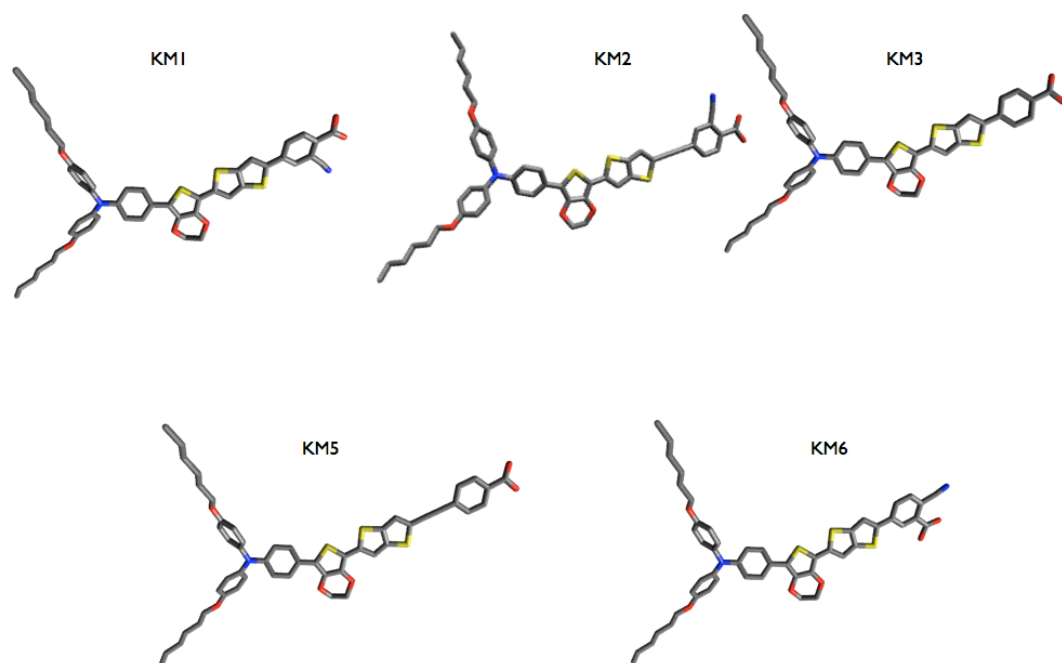
# Influence of the Anchoring Modes on the Electronic and Photovoltaic Properties of D- $\pi$ -A dyes

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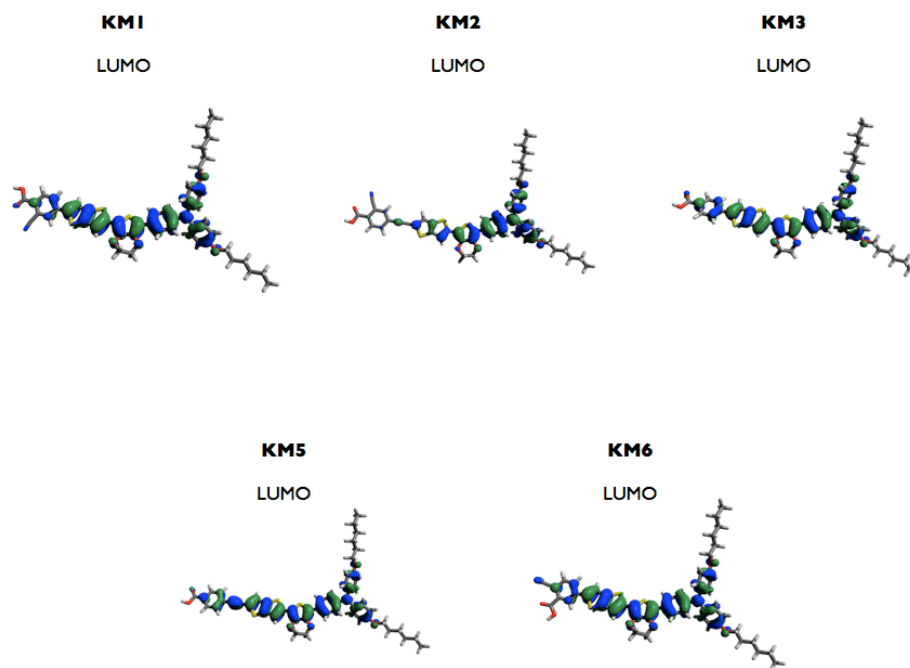
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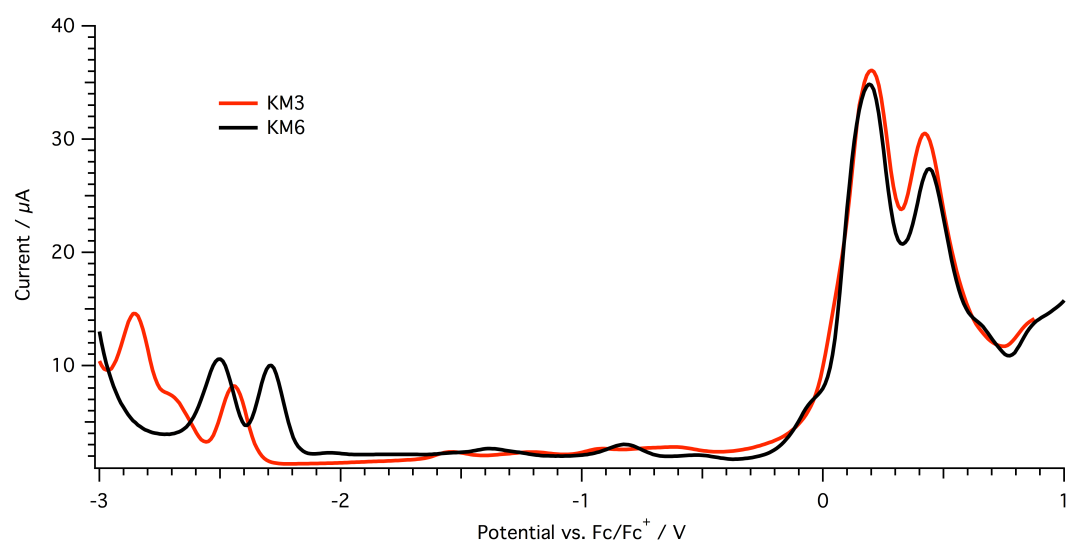
Email: [shaik.zakeer@epfl.ch](mailto:shaik.zakeer@epfl.ch), [michael.graetzel@epfl.ch](mailto:michael.graetzel@epfl.ch)



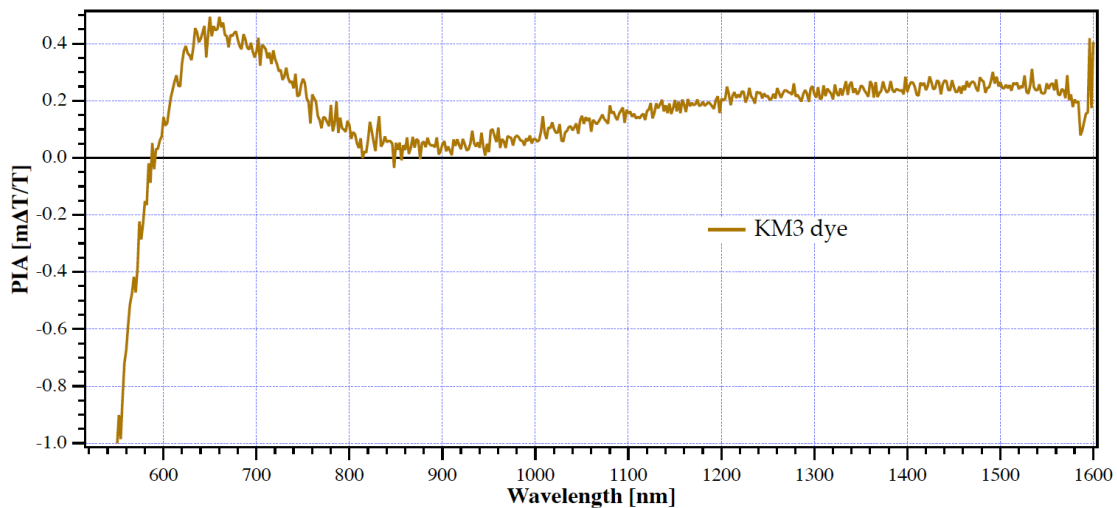
**Figure S1:** Optimized geometries of the neutral dyes as computed by DFT (B3LYP/6-31G(d)).



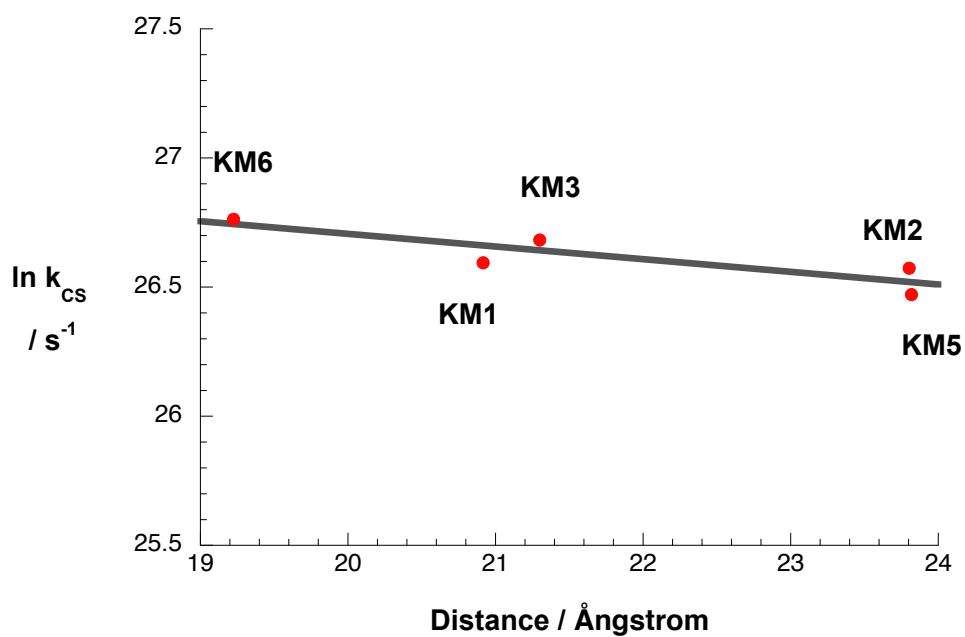
**Figure S2:** LUMO orbital representation of the *oxidized* form of the dyes as computed by DFT (B3LYP/6-31G(d))



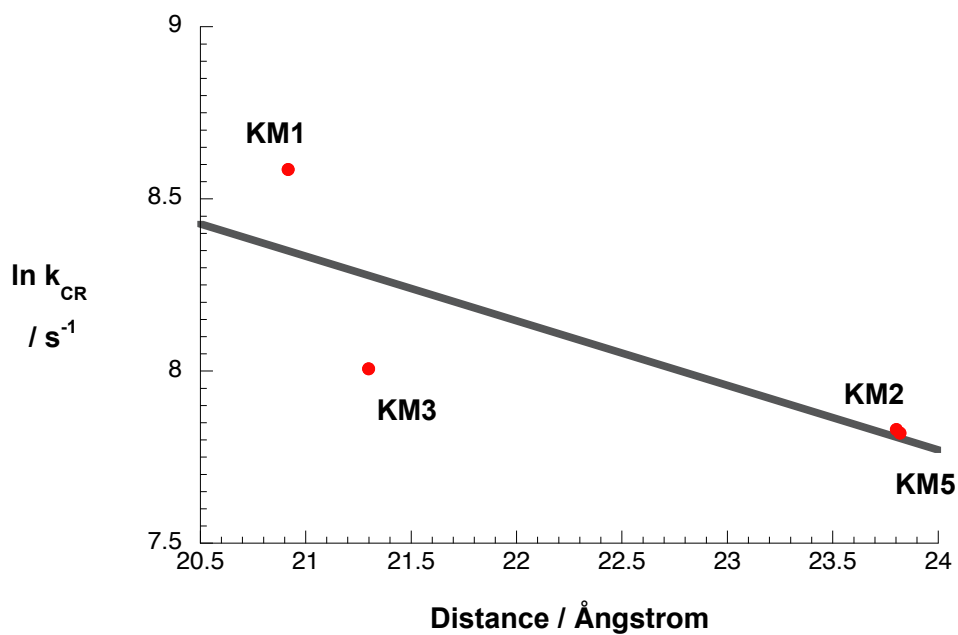
**Figure S3:** Differential pulse voltammograms of **KM-3** and **KM-6** dyes in DMF solution.



**Figure S4:** Photoinduced absorbance spectra of **KM-3** adsorbed on a  $\text{TiO}_2$  film.



**Figure S5:** Charge separation rate constants as a function of donor-anchor distance. The attenuation factor results from the slope of the linear fit.



**Figure S6:** Charge recombination rate constants as a function of donor-anchor distance. The attenuation factor results from the slope of the linear fit.