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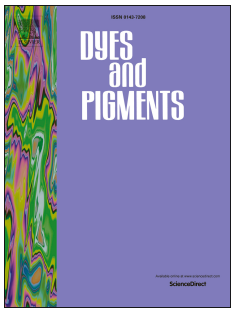

Molecular design and synthesis of novel metal-free organic sensitizers with D-π-A-π-A architecture for DSSC application: The effect of the anchoring group

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Molecular Design and Synthesis of Novel Metal-Free Organic Sensitizers with D-π-A-π-A Architecture for DSSC Application: The Effect of the Anchoring Group

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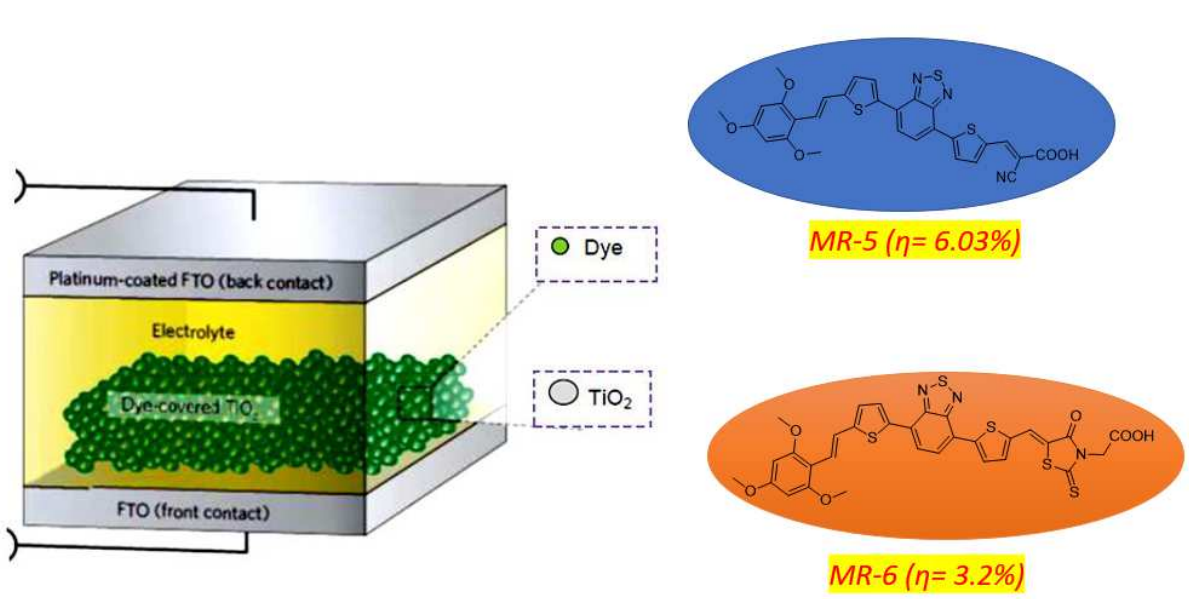
GRAPHICAL ABSTRACT



Abstract:

Herein, we report design and synthesis of two metal-free organic sensitizers (**MR-5 & MR-6**) with D-π-A-π-A architecture based on trimethoxy benzene donor core carrying two different withdrawing/anchoring groups such as cyanoacetic acid and rhodanine-3-acetic acid