

Recent Advances on Fixed Groups of Phthalocyanine  
Organic Sensitizer in Dye-Sensitized Solar Cells  
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Abstract: Dye-sensitized solar cells (DSSC) is very promising research direction in the solar cell. Dye as an important component of DSSC, to a great extent, affect the photoelectric conversion efficiency of DSSC. Phthalocyanine s is a very important ensitizer, in recent years Received extensive attention. The changes of Structure of phthalocyanine will affect their HOMO, LUMO level, affect electron injection to semiconductor, Changes to cell's efficiency. This review highlights recent advances on the Fixed groups of Phthalocyanine sensitizers in Dye-Sensitized Solar Cells.

Key words: organic sensitizer, phthalocyanine, solar cells,sensitizer,fixed groups