



Small molecules organic photovoltaic devices based on the planar heterojunction porphyrin derivatives/fullerene

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Auteur	Velez, Jorge H. [1], Aguirre, M. Jesus [2], Cattin, Linda [3], Makha, Mohammed [4], Bernède, Jean Christian [5]
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Mots-clés	Organic solar cells [6], planar heterojunction [7], porphyrin derivatives [8]
Résumé en anglais	In this paper, we studied of photoelectric properties of multilayer organic photovoltaic cells (OPV cells). The active organic layers consisted of a planar heterojunction between a layer of meso-tetrakis(5-bromo-2-thienyl)porphyrin), (TBrTP) as electron donor (ED) and a layer fullerene molecules. The TBrTP allows achieving OPVCs exhibiting promising efficiencies when the ABL is the MoO ₃ /CuI DABL.
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