



Thiophene vs thiazole: Effect of the π -connector on the properties of phthalimide end-capped diketopyrrolopyrrole based molecular acceptors for organic photovoltaics

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Résumé en anglais	Two phthalimide end-capped diketopyrrolopyrrole based non-fullerene derivatives distinguished by the nature of the π -conjugated connector namely a thiophene or a thiazole ring were synthesized via direct arylation and evaluated as electron acceptor materials in air-processed inverted organic solar cells. It turns out that this simple chemical modification significantly impacts the energetics, the charge transport properties and consequently the photovoltaic performances.
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Liens

- [1] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=26390>
- [2] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=26413>
- [3] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=26414>
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- [6] <http://okina.univ-angers.fr/sylvie.dabos/publications>
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