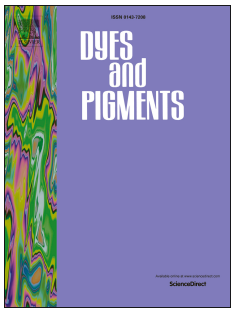
Accepted Manuscript



A new wide-bandgap conjugated polymer based on imide-fused benzotriazole for highly efficient nonfullerene polymer solar cells

Liuyuan Lan, Ping Cai, Yuliang Mai, Zhicheng Hu, Wu Wen, Jie Zhang, Yunchuan Li, Huahong Shi, Jian Zhang

PII: S0143-7208(18)30620-X

DOI: 10.1016/j.dyepig.2018.05.050

Reference: DYPI 6779

To appear in: *Dyes and Pigments*

Received Date: 20 March 2018

Revised Date: 14 May 2018

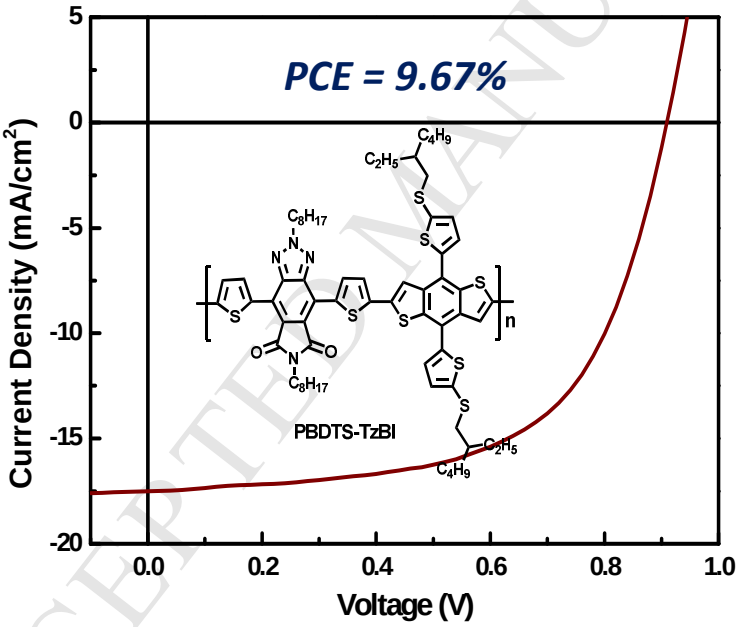
Accepted Date: 23 May 2018

Please cite this article as: Lan L, Cai P, Mai Y, Hu Z, Wen W, Zhang J, Li Y, Shi H, Zhang J, A new wide-bandgap conjugated polymer based on imide-fused benzotriazole for highly efficient nonfullerene polymer solar cells, *Dyes and Pigments* (2018), doi: 10.1016/j.dyepig.2018.05.050.

Graphical abstract

A new wide-bandgap conjugated polymer based on imide-fused benzotriazole for highly efficient nonfullerene polymer solar cells

Liuyuan Lan*, Ping Cai*, Yuliang Mai, Zhicheng Hu, Wu Wen, Jie Zhang, Yunchuan Li, Huahong Shi, Jian Zhang



A new alkylthio-substituted copolymer based on imide-fused benzotriazole was developed for additive-free nonfullerene polymer solar cells with a PCE of 9.67%.