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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

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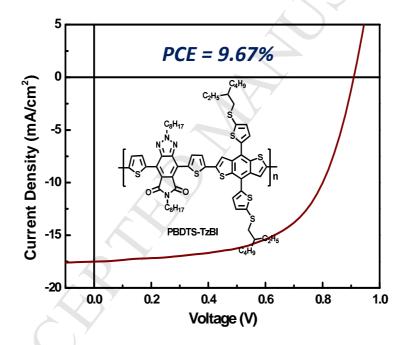


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Graphical abstract

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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%.

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