Accepted Manuscript

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PII: S1566-1199(17)30321-X

DOI: 10.1016/j.orgel.2017.06.064

Reference: ORGELE 4189

To appear in: Organic Electronics

Received Date: 27 April 2017 Revised Date: 14 June 2017 Accepted Date: 28 June 2017

Please cite this article as: Y. Zhang, Y. Li, C. Chen, L. Wang, J. Zhang, Design new hole transport materials for efficient perovskite solar cells by suitable combination of donor and core groups, *Organic Electronics* (2017), doi: 10.1016/i.orgel.2017.06.064.

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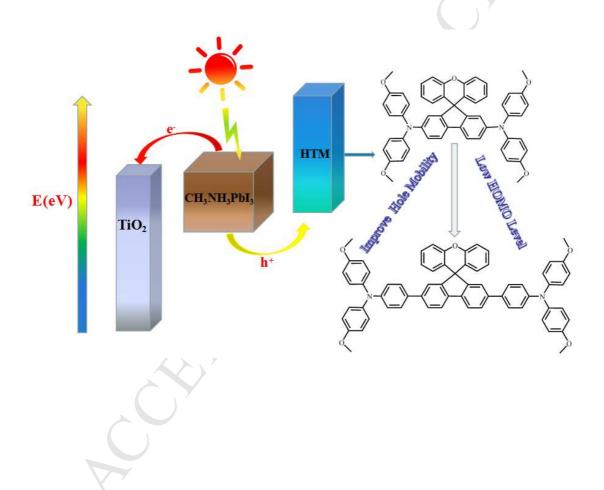
Graphical Abstract

Design new hole transport materials for efficient perovskite solar cells by suitable combination of donor and core groups

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