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Title:	Natural Sunlight Driven Oxidative Homocoupling of Amines by a Truxene-Based Conjugated Microporous Polymer
Authors:	Singh, Harpreet (/jspui/browse?type=author&value=Singh%2C+Harpreet) Bala, I. (/jspui/browse?type=author&value=Bala%2C+I.) Pal, S.K. (/jspui/browse?type=author&value=Pal%2C+S.K.)
Keywords:	Truxene-based CMP Conjugated microporous polymers Heterogeneous photocatalysis Amine homocoupling
Issue Date:	2018
Publisher:	American Chemical Society
Citation:	ACS Catalysis, 8(8), pp. 6751-6759
Abstract:	In this study, we report the synthesis of a metal-free truxene-based conjugated microporous polymer (Tx-CMP) and demonstrate its heterogeneous photocatalytic applications under direct sunlight. We employed Tx-CMP for the oxidative homocoupling of amines. This model reaction describes an effective way to harvest natural sunlight effectively for organic transformations. High conversion and selectivity of Tx-CMP have been demonstrated with recyclability of at least five times without any decrease in its catalytic activity under direct sunlight.
Description:	Only IISERM authors are available in the record.
URI:	<a href="https://pubs.acs.org/doi/abs/10.1021/acscatal.8b00623">https://pubs.acs.org/doi/abs/10.1021/acscatal.8b00623</a> ( <a href="https://pubs.acs.org/doi/abs/10.1021/acscatal.8b00623">https://pubs.acs.org/doi/abs/10.1021/acscatal.8b00623</a> ) <a href="http://hdl.handle.net/123456789/1917">http://hdl.handle.net/123456789/1917</a> ( <a href="http://hdl.handle.net/123456789/1917">http://hdl.handle.net/123456789/1917</a> )
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