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# Flexible Organic N-Channel Phototransistor and Integrated Logic Devices

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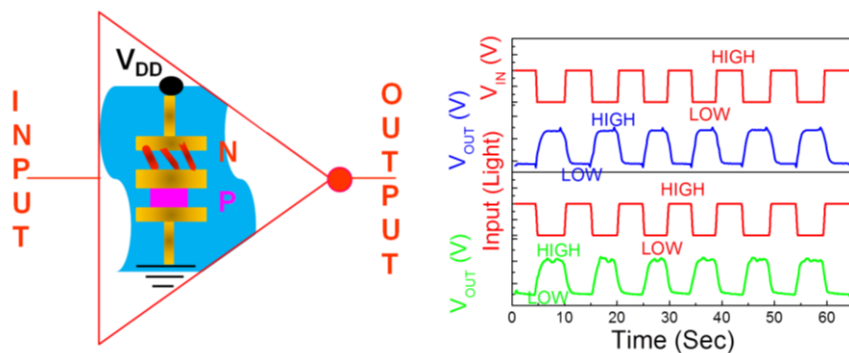
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**Graphical abstract**

## TOC Figure



## Abstract

A flexible organic field-effect transistor (OFET) and flexible phototransistor has been fabricated using self-assembled single crystals of a small molecule, *viz.*, *N,N'*-dioctyl-3,4,9,10-perylene tetracarboxylic diimide (PTCDI-C<sub>8</sub>). The solution processed single

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