## Accepted Manuscript

Title: A comparative study on electrical properties of dye-sensitized solar cell and silicon photodiode under colored light for optical sensor applications

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PII:	S0924-4247(17)32249-5
DOI:	https://doi.org/10.1016/j.sna.2018.04.013
Reference:	SNA 10726
To appear in:	Sensors and Actuators A
Received date:	15-12-2017
Revised date:	22-3-2018
110 110 0 0 00000	
Accepted date:	9-4-2018

Please cite this article as: Wang W, Yuan H, Zhang Y, Xie J, Xu D, Chen X, He Y, Zhang T, Chen Z, Shen H, A comparative study on electrical properties of dye-sensitized solar cell and silicon photodiode under colored light for optical sensor applications, *Sensors and Actuators: A. Physical* (2010), https://doi.org/10.1016/j.sna.2018.04.013

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## ACCEPTED MANUSCRIPT

A comparative study on electrical properties of dye-sensitized solar cell and silicon photodiode under colored light for optical sensor applications

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## Highlights

• A RGB LED is used as light source rather than a solar light simulator.

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