## Accepted Manuscript

Title: Application of Nitrogen-doped  $TiO_2$  nano-tubes in Dye-sensitized solar cells

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PII:	S0169-4332(16)32853-7
DOI:	http://dx.doi.org/doi:10.1016/j.apsusc.2016.12.125
Reference:	APSUSC 34672
To appear in:	APSUSC
Received date:	21-10-2016
Revised date:	13-11-2016
Accepted date:	15-12-2016

Please cite this article as: Vy Anh Tran, Trieu Thinh Truong, Thu Anh Pham Phan, Trang Ngoc Nguyen, Tuan Van Huynh, Antonio Agresti, Sara Pescetelli, Tien Khoa Le, Aldo Di Carlo, Torben Lund, So-Nhu Le, Phuong Tuyet Nguyen, Application of Nitrogen-doped TiO2 nano-tubes in Dye-sensitized solar cells, Applied Surface Science http://dx.doi.org/10.1016/j.apsusc.2016.12.125

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## ACCEPTED MANUSCRIPT

## Application of Nitrogen-doped TiO<sub>2</sub> nano-tubes in Dye-sensitized solar cells

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