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**Order Details****1. Energy & environmental science**

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**Article:** Crystallographically preferred oriented TiO<sub>2</sub> nanotube arrays for efficient photovoltaic energy conversion  
 Electronic supplementary information (ESI) available: FESEM images of NTAs with water contents of 2 wt% and 5 wt%, XRD data of the NTAs annealed at various temperatures and peak heights of the anatase (101) and rutile (110) planes, FTIR spectra of the r-NTA and p-NTA samples before and after annealing at 450 °C, a TEM image of a thin oxide layer formed between the nanotubes and the Ti metal substrate, after annealing at 450 °C for 1 h, and IPCE for the DSSCs as a function of the wavelength, with the back and front illumination. See DOI: 10.1039/c2ee21697c

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<b>Project name</b>	Engineered semiconducting nanomaterials for ph...
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**LICENSED CONTENT**

Publication Title	Energy & environmental science	Country	United Kingdom of Great Britain and Northern Ireland
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<b>Article Title</b>	Crystallographically preferred oriented TiO <sub>2</sub> nanotube arrays for efficient photovoltaic energy conversionElectronic supplementary information (ESI) available: FESEM images of NTAs with water contents of 2 wt% and 5 wt%, XRD data of the NTAs annealed at various temperatures and peak heights of the anatase (101) and rutile (110) planes, FTIR spectra of the r-NTA and p-NTA samples before and after annealing at 450 Â°C, a TEM image of a thin oxide layer formed between the nanotubes and the Ti metal substrate, after annealing at 450 Â°C for 1 h, and IPCE for the DSSCs as a function of the wavelength, with the back and front illumination. See DOI: 10.1039/c2ee21697c	<b>Rightsholder</b>	Royal Society of Chemistry
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		<b>URL</b>	http://www.rsc.org/Publishing/Journals/EE/Index.asp
<b>Author/Editor</b>	Royal Society of Chemistry (Great Britain)		
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## NEW WORK DETAILS

Title	Engineered semiconducting nanomaterials for photovoltaic applications	Institution name	INRS-EMT
		Expected presentation date	2020-04-01

Instructor name	Daniele Benetti
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## ADDITIONAL DETAILS

The requesting person / organization to appear on the license	Daniele Benetti
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## REUSE CONTENT DETAILS

Title, description or numeric reference of the portion(s)	Figure 1, Figure 5	Title of the article/chapter the portion is from	Crystallographically preferred oriented TiO2 nanotube arrays for efficient photovoltaic energy conversion
Editor of portion(s)	Hong, Kug Sun; Jung, Hyun Suk; Kim, Jin Young; Han, Gil Sang; Kim, Dong Wook; Seong, Won Mo; Kim, Dong Hoe; Park, Ik Jae; Lee, Sangwook	Author of portion(s)	Hong, Kug Sun; Jung, Hyun Suk; Kim, Jin Young; Han, Gil Sang; Kim, Dong Wook; Seong, Won Mo; Kim, Dong Hoe; Park, Ik Jae; Lee, Sangwook
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