## **Supplementary Information**

## Composition-dependent Photoconductivities in Indium Aluminium Nitride Nanorods Grown by Magnetron Sputter Epitaxy

Bangolla Hemanth Kumar<sup>1</sup>, Ming-Deng Siao<sup>1</sup>, Yi-Hua Huang<sup>1</sup>, Ruei-San Chen<sup>1,\*</sup>, Agnė Žukauskaitė<sup>2</sup>, Justinas Palisaitis<sup>3</sup>, Per O. Å. Persson<sup>3</sup>, Lars Hultman<sup>3</sup>, Jens Birch<sup>3</sup> and Ching-Lien Hsiao<sup>3</sup>
<sup>1</sup>Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology, Taipei 10607, Taiwan
<sup>2</sup>Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology FEP, Dresden 01277, Germany
<sup>3</sup>Thin Film Physics Division, Department of Physics, Chemistry, and Biology (IFM), Linköping University, Linköping SE-581 83, Sweden
\*Email: rsc@mail.ntust.edu.tw



Supplementary Figure 1. Photocurrent response measurements of  $In_xAl_{1-x}N$  NR devices under different powers of green light illumination with the wavelength of 532 nm. The photocurrent measurements include dark current.