

# Optical *in situ* Study of InP(100) Surface Chemistry: Dissociative Adsorption of Water and Oxygen – Supplementary Information

Matthias M. May,<sup>\*,†,‡</sup> Hans-Joachim Lewerenz,<sup>¶,†</sup> and Thomas Hannappel<sup>§,†</sup>

*Helmholtz-Zentrum Berlin für Materialien und Energie, Institute for Solar Fuels, D-14109 Berlin, Germany, Humboldt-Universität zu Berlin, Department of Physics, D-12489 Berlin, Germany, California Institute of Technology, Joint Center for Artificial Photosynthesis, Pasadena, CA 91125, USA, and Technische Universität Ilmenau, Department of Physics, D-98693 Ilmenau, Germany*

E-mail: Matthias.May@helmholtz-berlin.de

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\*To whom correspondence should be addressed

†Helmholtz-Zentrum Berlin für Materialien und Energie

‡Humboldt-Universität zu Berlin

¶California Institute of Technology

§Technische Universität Ilmenau

## Supporting Information Available

Supporting Information Available: XPS overview spectrum of an In-rich surface after water exposure. High-resolution XP spectra around the O 1s region of In-rich surfaces after water (oxygen) exposure and after annealing.

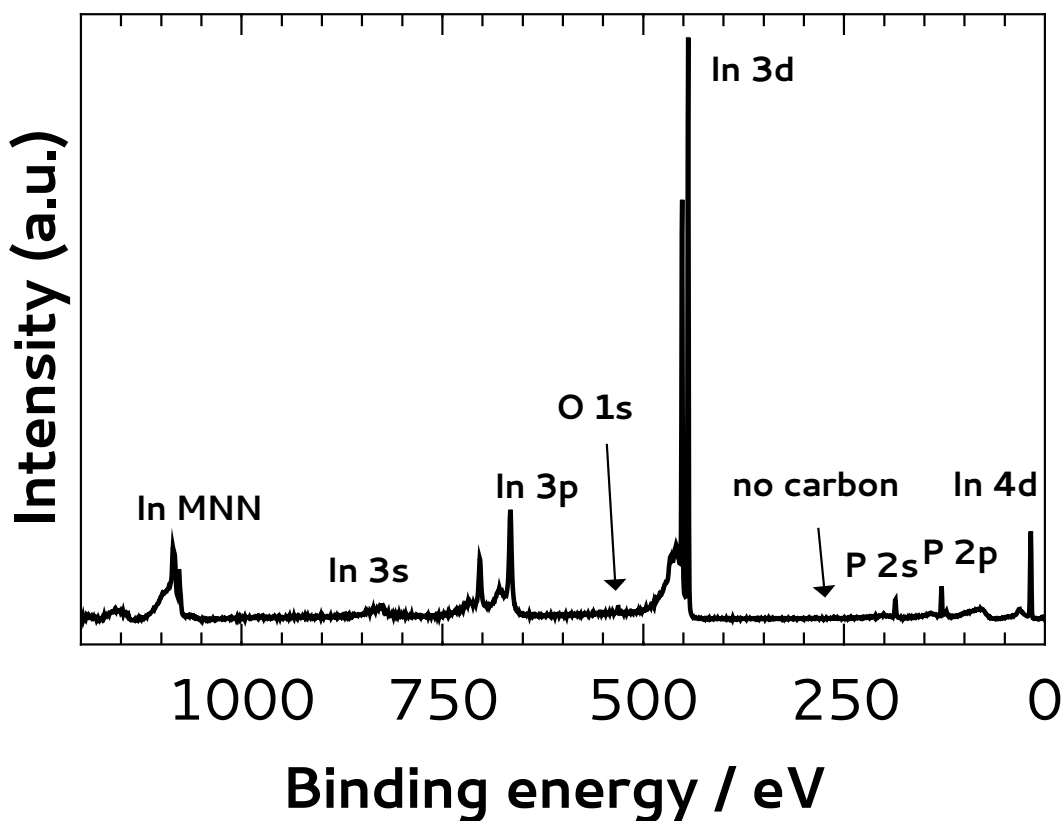


Figure 1: XP overview spectrum after exposure to 28 kL H<sub>2</sub>O (mon. Al K<sub>α</sub>, takeoff-angle 30°).

This material is available free of charge via the Internet at <http://pubs.acs.org/>.

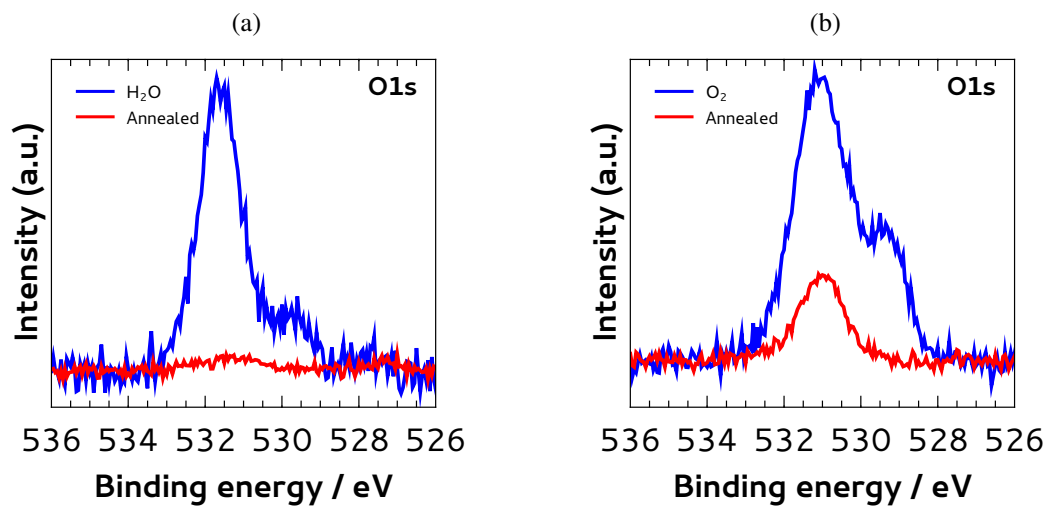


Figure 2: X-ray photoelectron spectra (mon. Al  $K_{\alpha}$ , takeoff-angle  $30^{\circ}$ ) of the In-rich surface. (a) After exposure to water and subsequent annealing. (b) After exposure to oxygen and subsequent annealing.