

References

[1] Y. Zhou et al., Adv. Energy Mater. 2014, 4, 1301846. [2] K. Zeng et al., Semicond. Sci. Technol. 2016, 31, 063001. [3] R. P. Prabhakar *et al.*, J. Mater. Chem. 2017 A 5, 23139. [4] R. Totani et al., Phys. Rev. Materials 2019, just accepted

[5] A. Schuler, Dissertation (2018) [6] Li et al., PLA, 374(29), 2010 [7] Önsten *et al.*, Surf. Sci., 603, 2009 [8] Pan et al., Nat Catal., 1, 412–420 2018

Acknowledgments

We gratefully acknowledge financial support by University Research Priority Program Light to Chemical Energy Conversion (LightChEC) and the Swiss National Science Foundation (SNF)