

Figure 1. Left: 8" Si wafer with gas sensor functionalized gas sensor structures by MoS₂. Right: Cross-sectional SEM image of the MoS₂ deposited on 8" SiO₂/Si Wafers.^[1a]

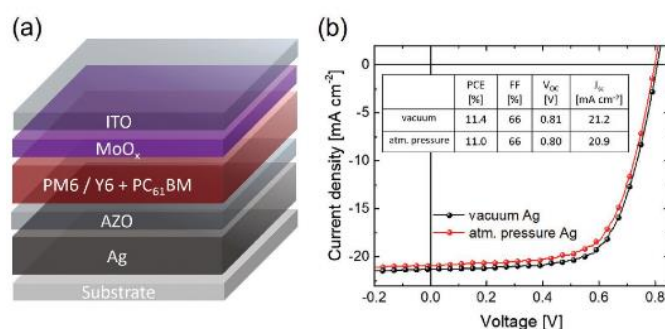


Figure 2. a) Image of the film stack used for the fabrication of the solar cell. The Ag layer has been deposited at 100 °C with the new carbene-based precursor. b) Characteristics of the solar cell.^[2c]

References:

- [1] a) R.-M. Neubieser, J.-L. Wree, J. Jagosz, M. Becher, A. Ostendorf, A. Devi, C. Bock, M. Michel, A. Grabmaier, *Micro and Nano Engineering* **2022**, *15*, 100126. b) R.-M. Neubieser, Dissertation 2023, Universität Duisburg Essen.
- [2] a) N. Boysen, T. Hasselmann, S. Karle, D. Rogalla, D. Theirich, M. Winter, T. Riedl, A. Devi, *Angew. Chem. Int. Ed.* **2018**, *57*, 16224; b) N. Boysen, B. Misimi, A. Muriqi, J.-L. Wree, T. Hasselmann, D. Rogalla, T. Haeger, D. Theirich, M. Nolan, T. Riedl et al., *Chem. Commun.* **2020**, *56*, 13752; c) T. Hasselmann, B. Misimi, N. Boysen, D. Zanders, J.-L. Wree, D. Rogalla, T. Haeger, F. Zimmermann, K. O. Brinkmann, S. Schädler et al., *Adv. Mater. Technol.* **2023**, *8*, 2200796.