Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2018

Supporting Information

A vapor-phase-assisted growth route for large-scale uniform deposition of MoS₂ monolayer films

Devendra Pareek,^{†1*}, Marco A. Gonzalez,^{†1}, Jannik Zohrabian¹, Mohamed H. Sayed^{1,3}, Volker Steenhoff², Colleen Lattyak², Martin Vehse², Carsten Agert², Jürgen Parisi¹, Sascha Schäfer¹, Levent Gütay¹

¹Institute of Physics, Carl von Ossietzky University of Oldenburg, Oldenburg, Germany

²DLR Institute of Networked Energy Systems, Oldenburg, Germany

³Current address: Solid State Physics Department, National Research Centre, 12311 Dokki, Giza, Egypt

†Authors contributed equally to this work

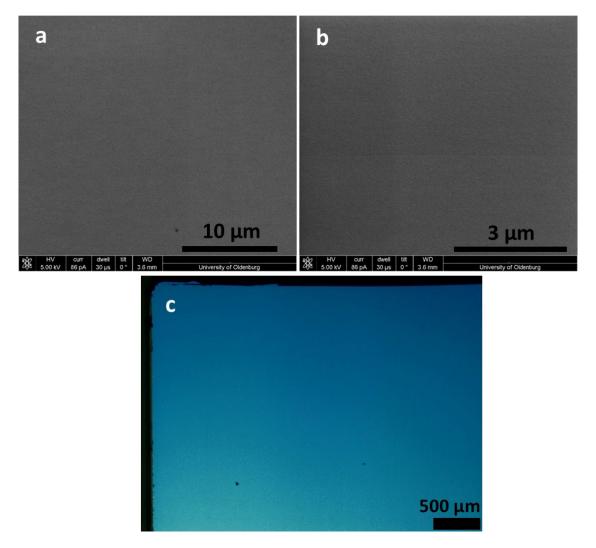


Fig. S1: SEM micrographs (a,b) and an optical overview image (c) of the sample processed at 950 °C. No visible structures are observable, indicating a homogenous deposition on the substrate with no discernible features on length scales larger than 100 nm.