

Supporting Information for Interfacial-Water-Modulated Photoluminescence of Single-Layer WS2 on Mica

Yanghee Kim ^{1,†}, Haneul Kang ^{1,†}, Myeongin Song ¹, Hyuksang Kwon ² and Sunmin Ryu ^{1,*}

¹Department of Chemistry, Pohang University of Science and Technology (POSTECH),
Pohang 37673, Republic of Korea

²Korea Research Institute of Standards and Science, Daejeon 34113, Republic of Korea

* Correspondence: sunryu@postech.ac.kr

† These authors contributed equally to this work.

Contents

A. Supporting Data

A. Supporting Data

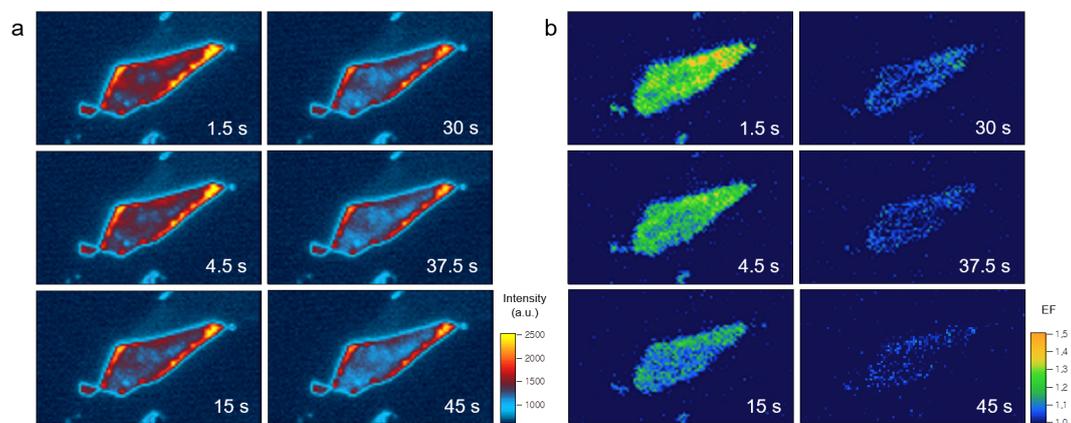


Figure S1. Undoping of WS₂ in Ar gas. (a & b) Time-lapse PL images (a) and PL enhancement images (b) of the sample in Fig. 4. The sample was pre-equilibrated with Ar:O₂ gas sufficiently before exposure to Ar gas at time zero. The enhancement factor (EF) was calculated by normalizing each PL image with respect to that at time zero.