

Stacking orders induced direct band gap in bilayer

MoSe₂-WSe₂ lateral heterostructures

Xiaohui Hu¹, Liangzhi Kou^{2*} & Litao Sun^{1*}

¹SEU-FEI Nano-Pico Center, Key Lab of MEMS of Ministry of Education,
Southeast University, 210096 Nanjing, China

²School of Chemistry, Physics and Mechanical Engineering Faculty,
Queensland University of Technology, Garden Point Campus, Brisbane, QLD
4001, Australia

*Correspondence to: L.S. (slt@seu.edu.cn) or L.K. (kouliangzhi@gmail.com)

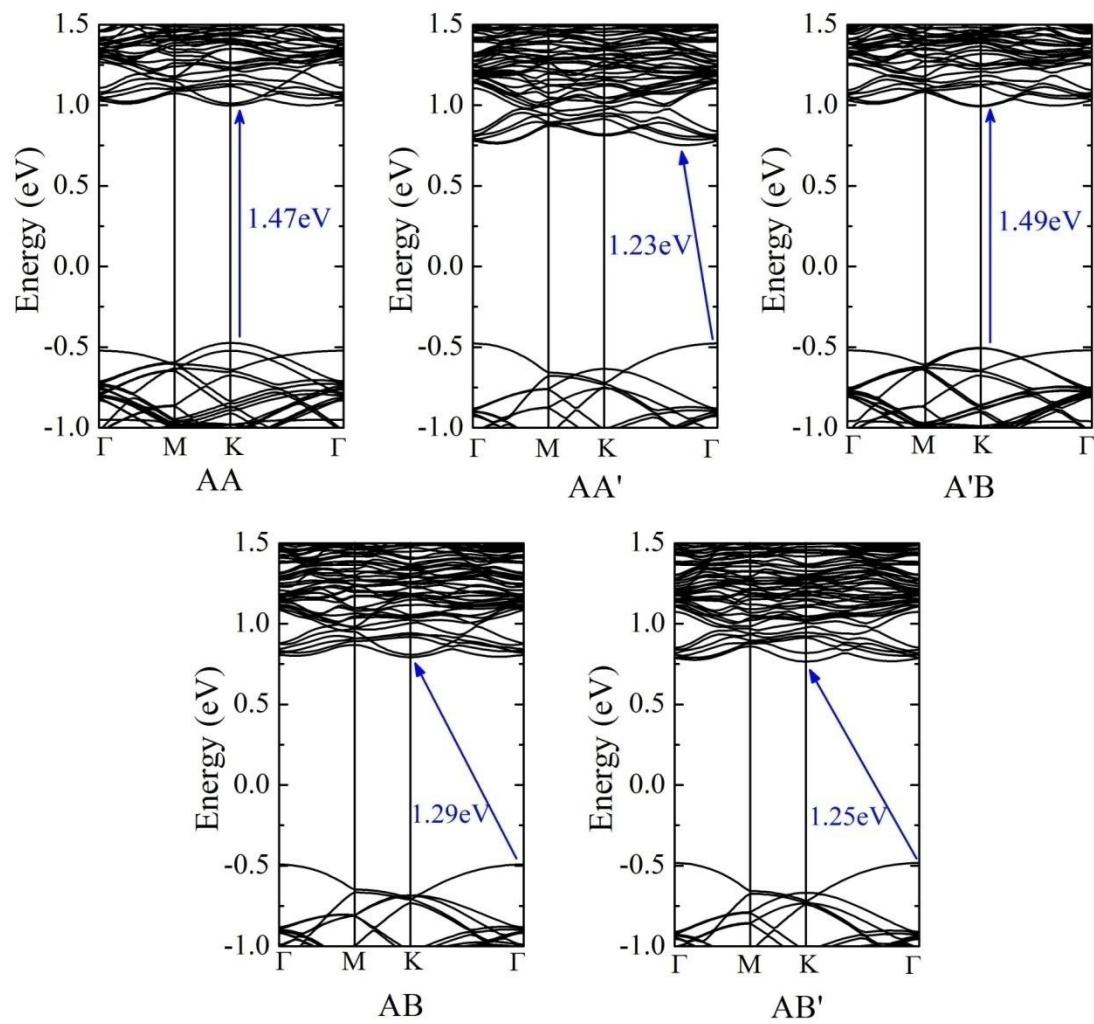


Figure S1 Band structures of AA, AA', A'B, AB, and AB' stacked bilayer MoSe₂-WSe₂ lateral heterostructures in the case of B1.

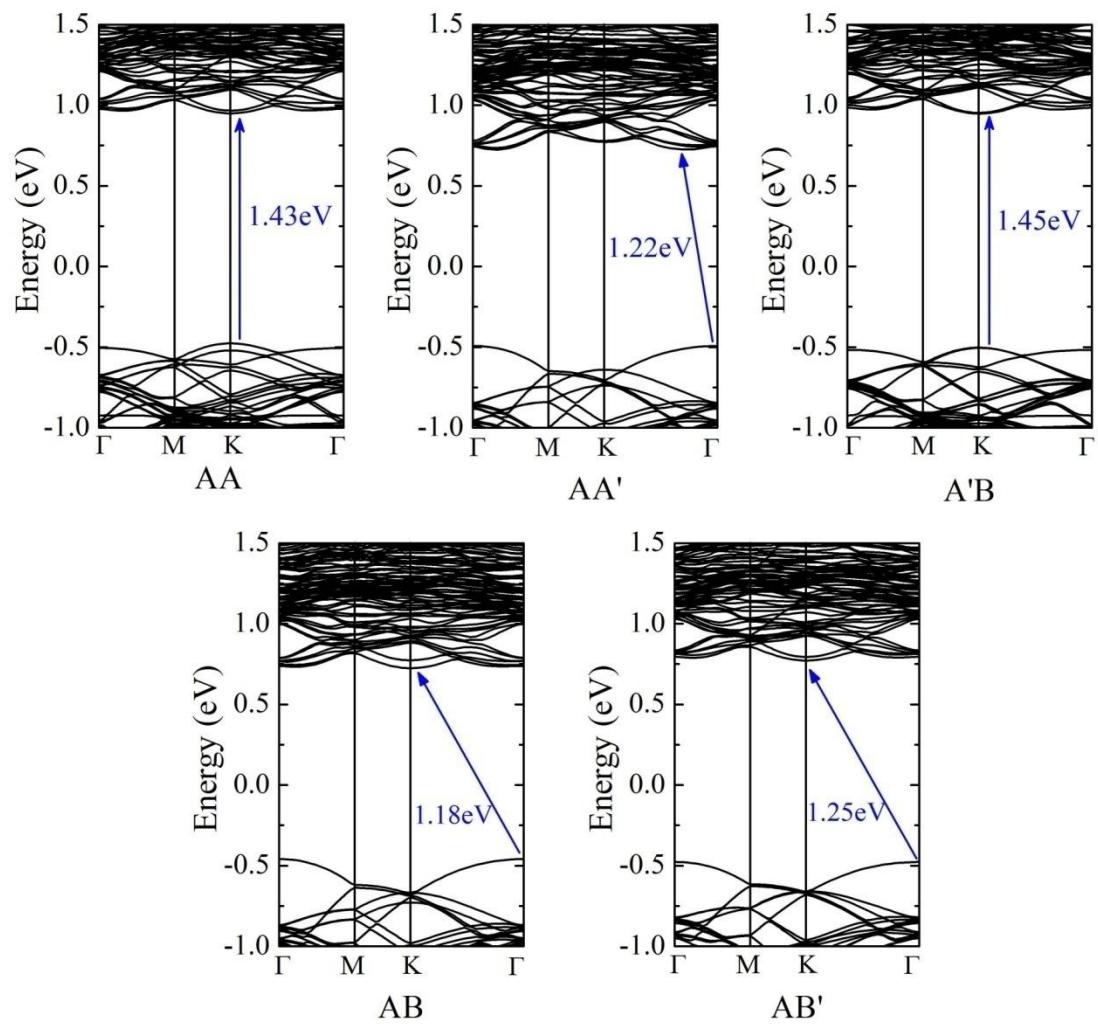


Figure S2 Band structures of AA, AA', A'B, AB, and AB' stacked bilayer MoSe₂-WSe₂ lateral heterostructures in the case of B3.