

Supplementary Information

Novel heterostructures by stacking layered molybdenum disulfides and nitrides for solar energy conversion

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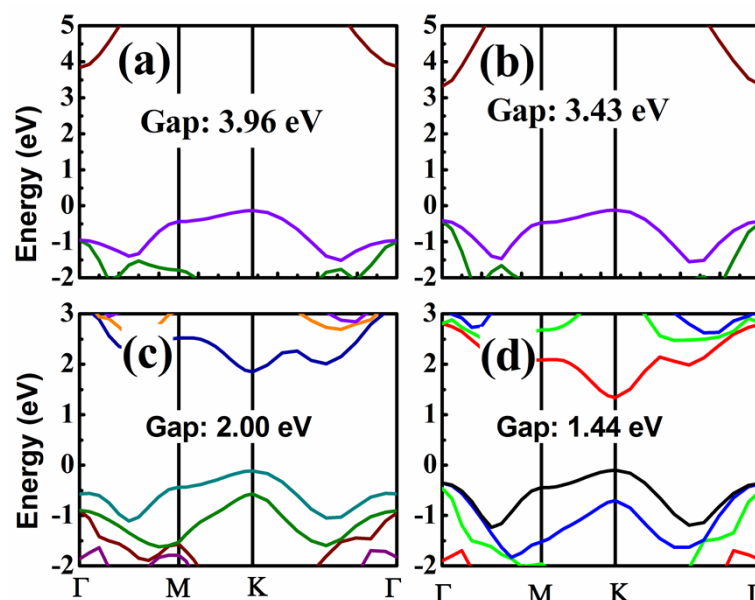


Fig. S1 The band structures of monolayers and bilayer heterostructures calculated with HSE06: (a) g-AlN, (b) g-GaN, (c) MoS₂/g-AlN, (d) MoS₂/g-GaN.

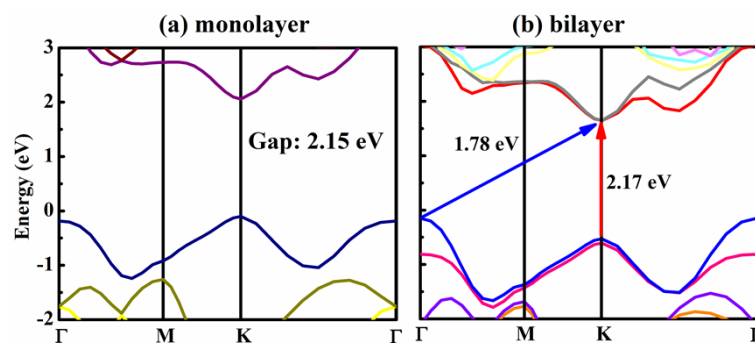


Fig. S2 The electronic structures of (a) monolayer and (b) bilayer MoS₂, calculated with HSE06.