

Figure S1: Bader charge analysis of pristine and Al doped BNC₂ Monolayer

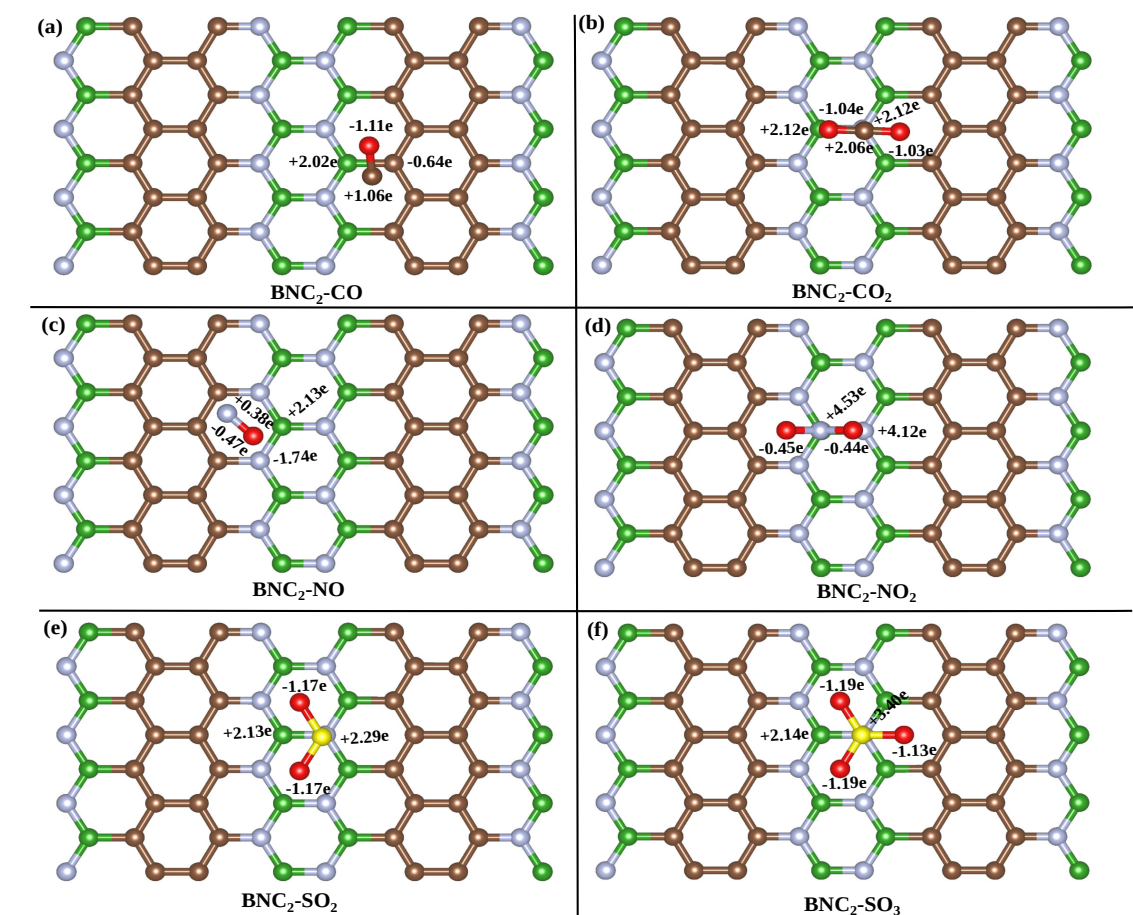


Figure S2: Bader charge analysis of gas adsorption of CO, CO₂, NO, NO₂, SO₂, and SO₃ over pristine BNC₂ Monolayer

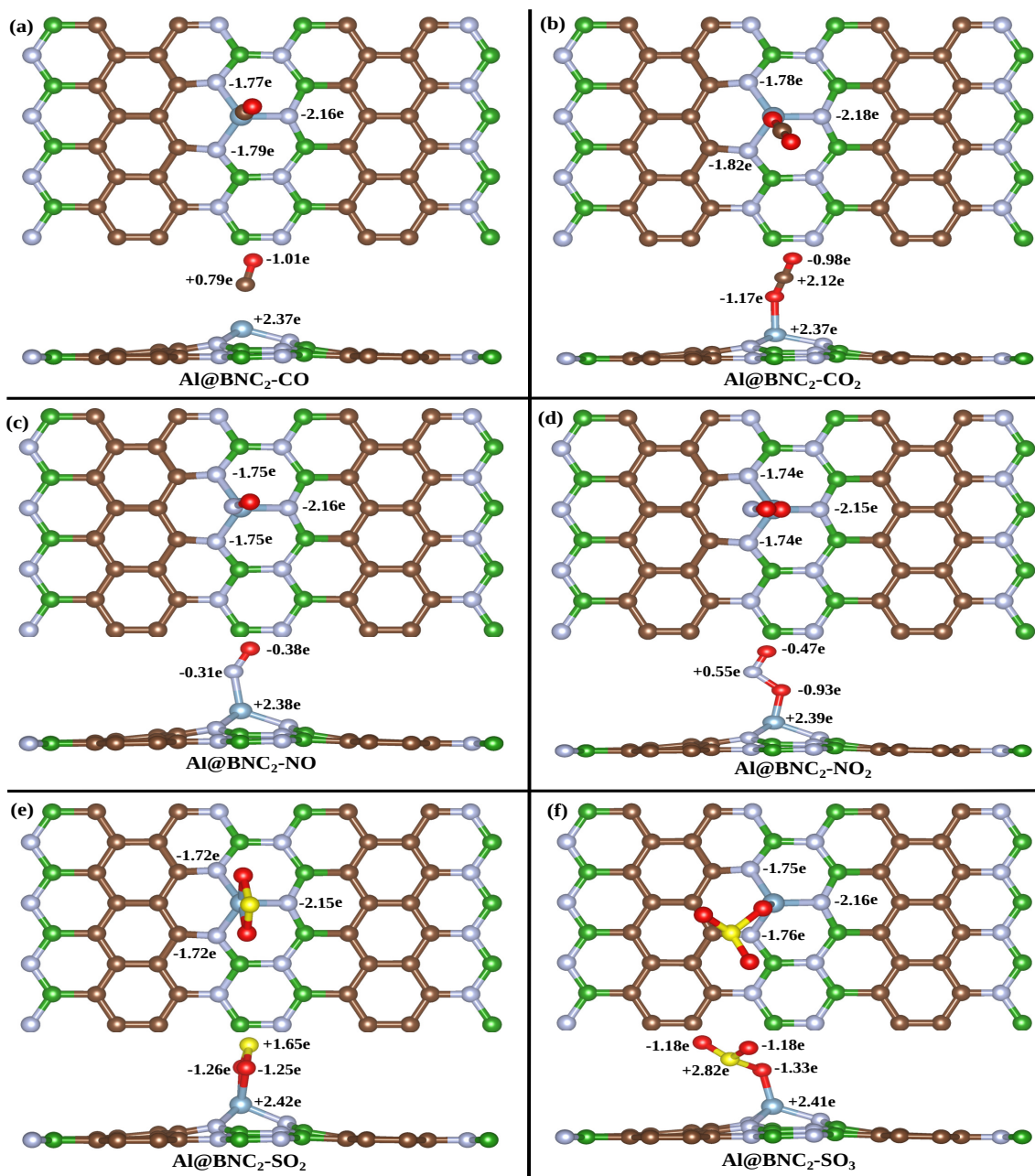


Figure S3: Bader charge analysis of gas adsorption of CO, CO₂, NO, NO₂, SO₂, and SO₃ over Al@BNC₂ Monolayer