

Doped systems

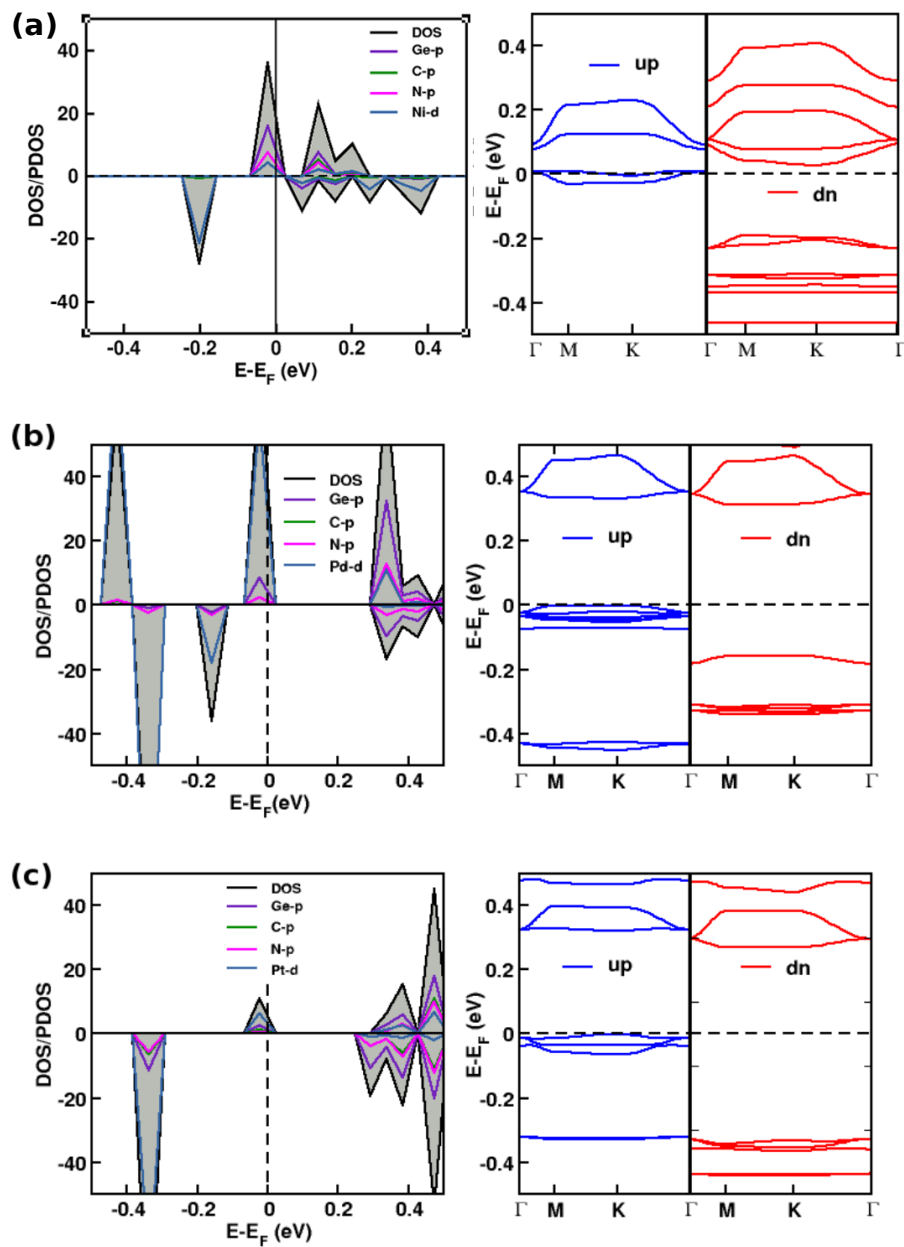


Figure S1: Enlarged views of 6×6 N-passivated g-GeC meshes doped with (a) Ni, (b) Pd, and (c) Pt, providing detailed structural insights.

K-dependence

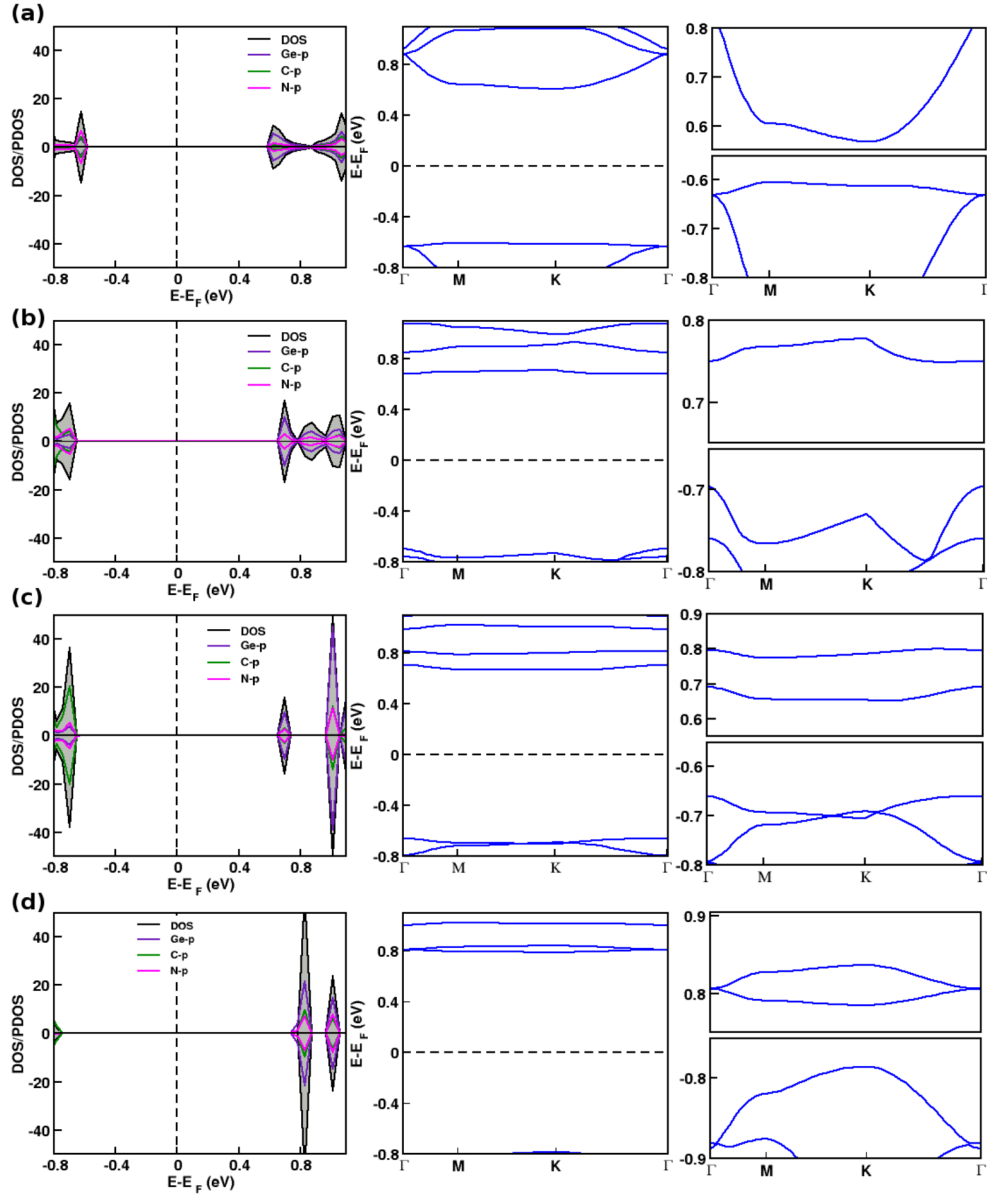


Figure S2: Zoomed-in views of N-passivated g-GeC meshes of varying sizes: (a) 5×5 , (b) 6×6 , (c) 7×7 , and (d) 8×8 , demonstrating the K-dependence of the electronic bands.