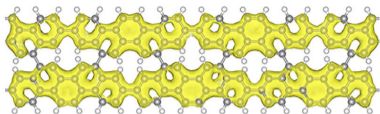
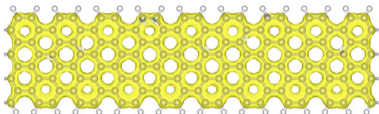
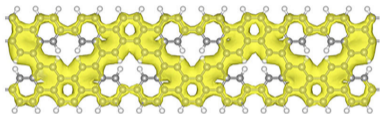
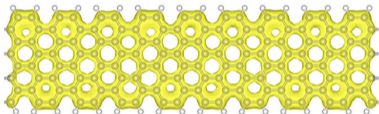
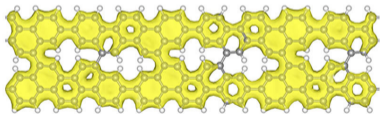
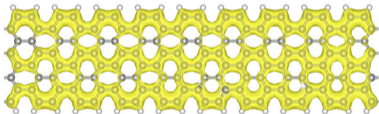


8-aGNR**DV8-aGNR** $\omega=0.023\text{eV}$  $\omega=0.041\text{eV}$  $\omega=0.064\text{eV}$  $\omega=0.084\text{eV}$ 