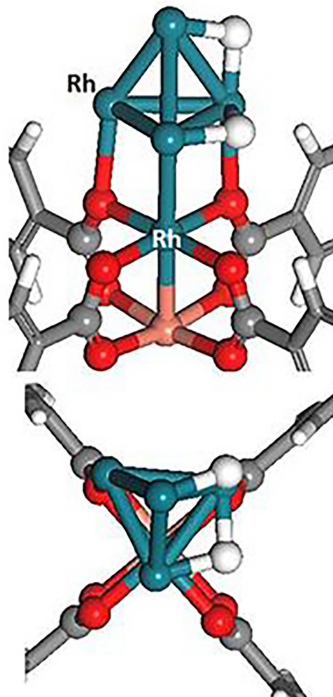
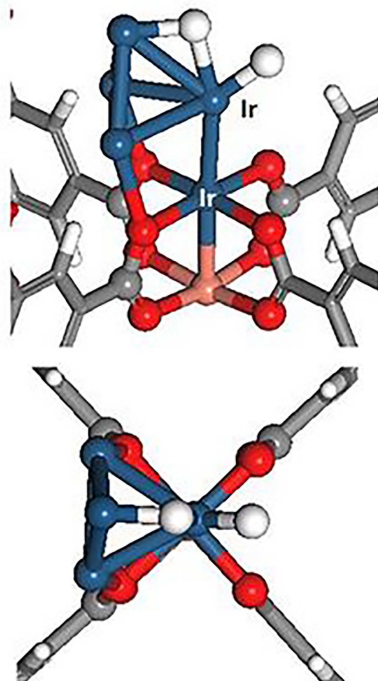


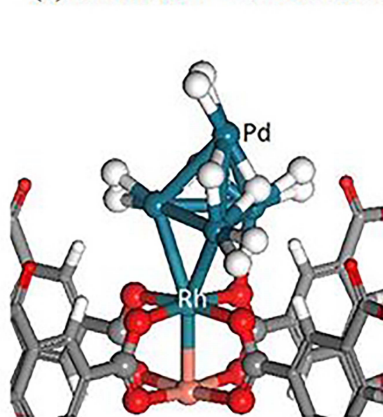
(a) Pd cluster + Rh-Cu-BTC



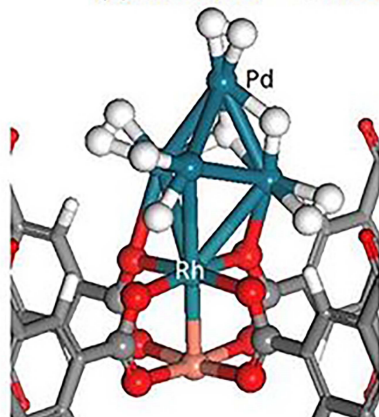
(b) Rh cluster + Rh-Cu-BTC



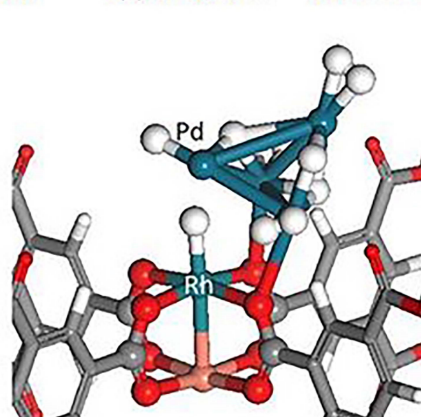
(c) Ir cluster + Ir-Cu-BTC



(d) initial state



(e) transition state



(f) final state