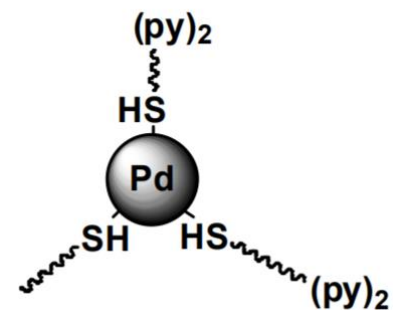
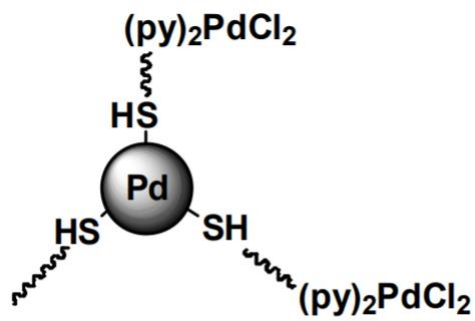
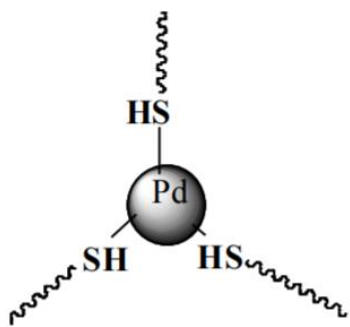


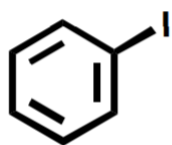
# 李俊欽(2004-2006)

Cat



Nanoparticle: Pd

## Heck 碳-碳偶合催化反應



+



Cat. 1, 2, 3 115 °C,  $\text{NEt}_3$  / DMSO, 1.5 h

