세미나 초록

발표주제	New directions in the activation of organoboron compounds
발표내용	Novel reactivities of organoboron reagents for the formation of covalent bonds at a carbon atom with sp3 or sp2 hybridization are explored. In the first part of the presentation, an integrated synthetic platform of organoboron compounds for the introduction of heteroatoms will be discussed. Based on systematic electrochemical analysis, the electrochemically mediated bond-forming strategy was advanced to be highly effective for the functionalization of sp3-hybridized carbon atoms with significant steric hindrance. The second half of the presentation covers a stereospecific cross coupling of chiral organoboron reagents. Based on highly stereospecific convey of stereochemical information, enantiopure alph-aryl carbonyl compounds could be synthesized in a straightforward manner.