

A01-3

Realization of super-close π -stacking and redox control of condensed conjugation state based on a precise molecular design

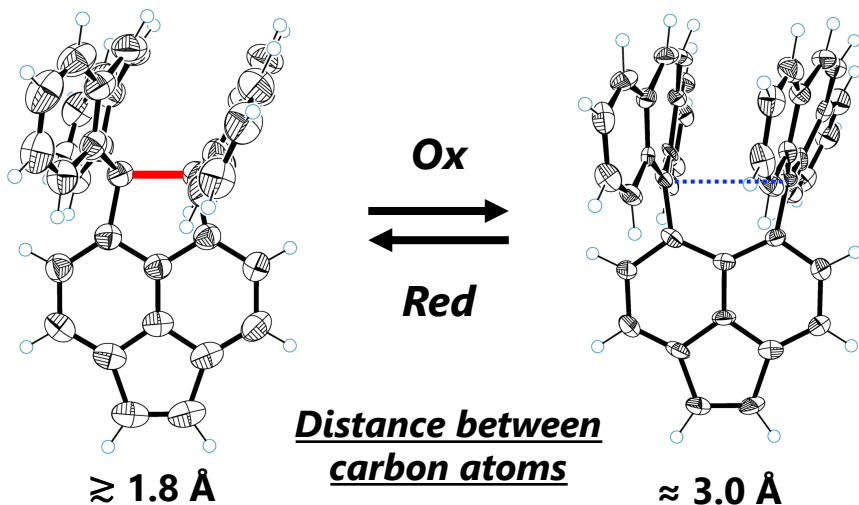
Principal investigator: Yusuke Ishigaki (Hokkaido Univ)

Our Mission: Realization of a new electronic conjugation in intermolecular spaces via precise design of molecules with minimum intermolecular distances

Our aim in A01-3

- Development of novel design strategy enabling super-close π -stacking
- Redox-switchable 3D-conjugation in cyclophane-type molecules

Approach based on elongated $C(sp^3)-C(sp^3)$ bonds



Redox control of 3D-conjugation in cyclophane-type molecules

