

A02-7

Design of radical ion system for condensed conjugation

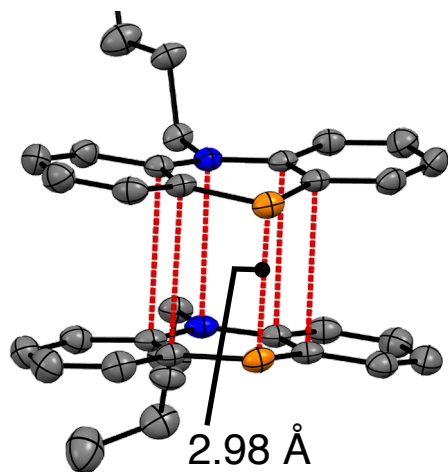
Principal investigator: Shuichi Suzuki (Osaka Univ)

Our Mission: Fixing condensed conjugation by maximizing Intermolecular interactions

Aims of A02-7

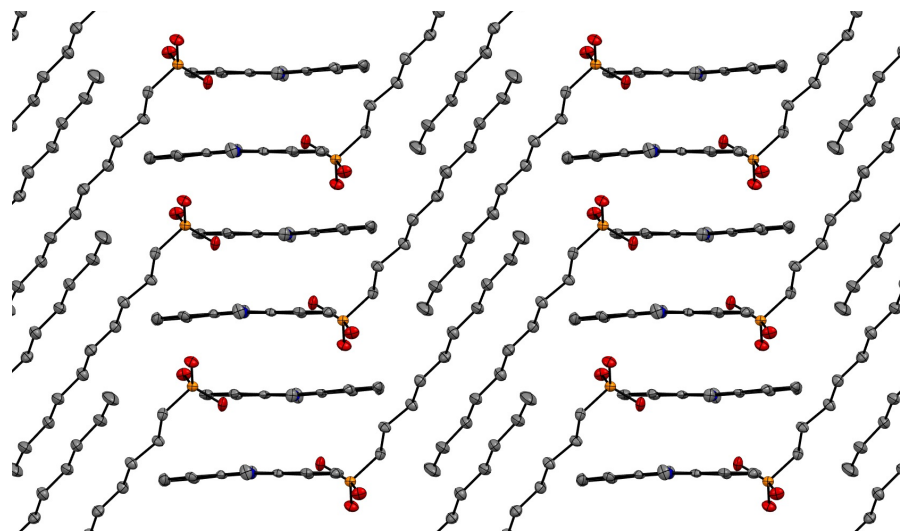
- Design and synthesis of extremely stable radical ions
- Design of radical ion system to ensure condensed conjugation by intermolecular interactions of various energy range

π -Dimer formation by spin-spin/electrostatic/S-S interactions



Radical ion π -dimer with close contact

Extremely stable radical ions under harsh condition



One-dimensional assembly induced by various kinds of intermolecular interactions