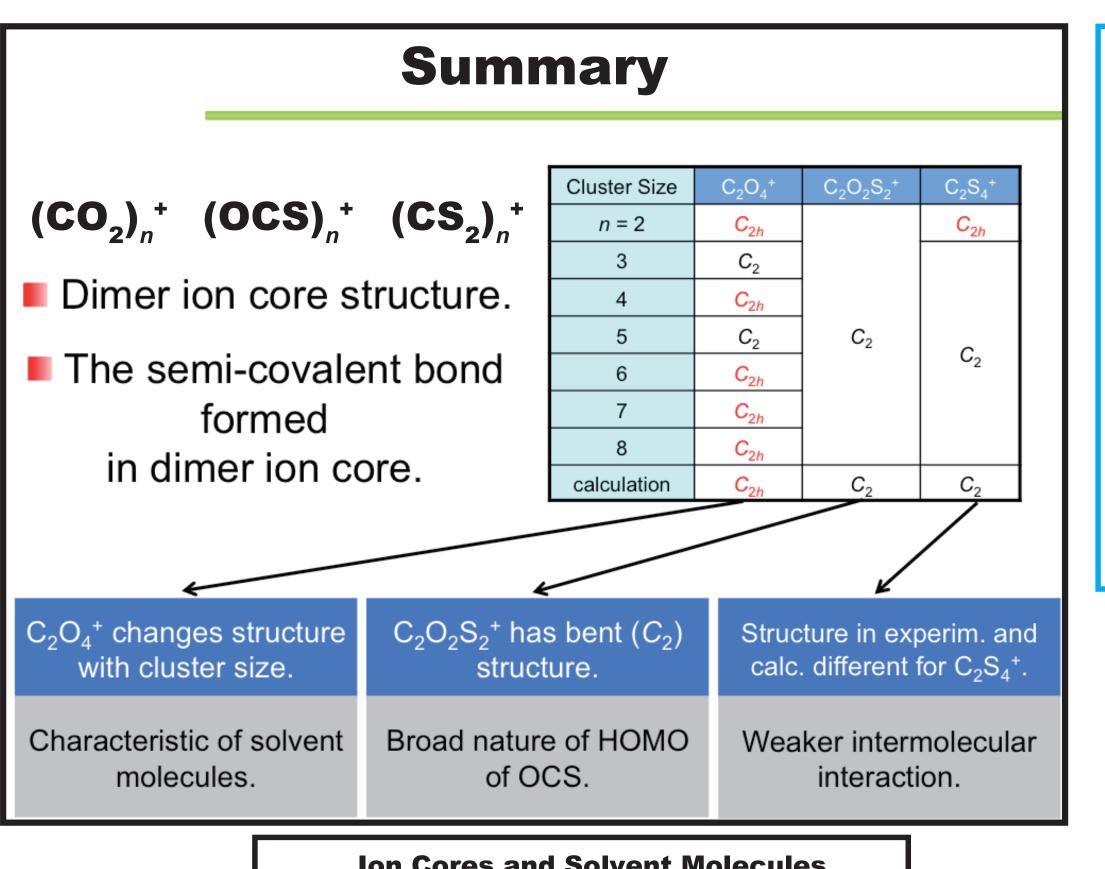
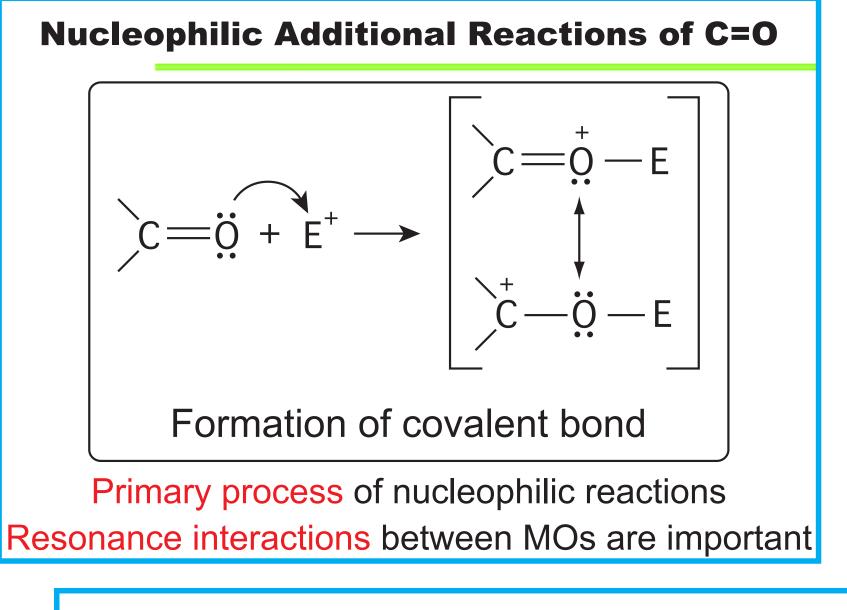
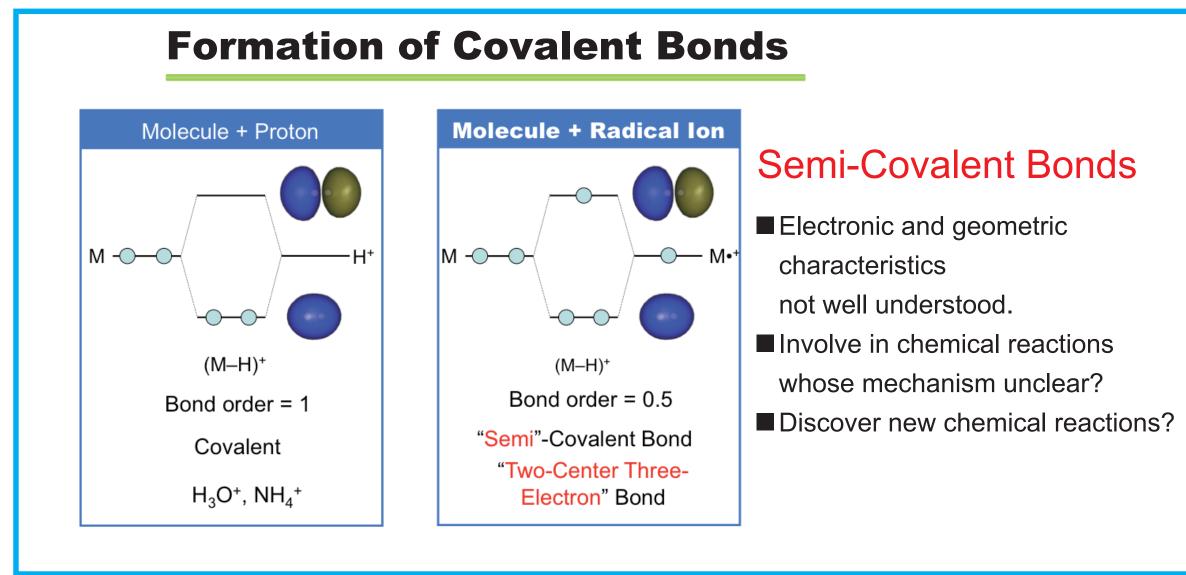
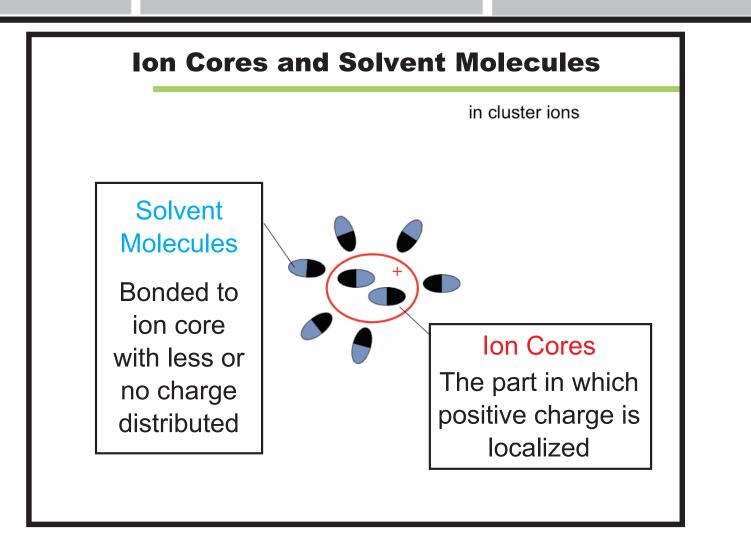
3原子分子クラスターイオン内における分子間共有結合の形成と、 その電子・幾何構造の研究

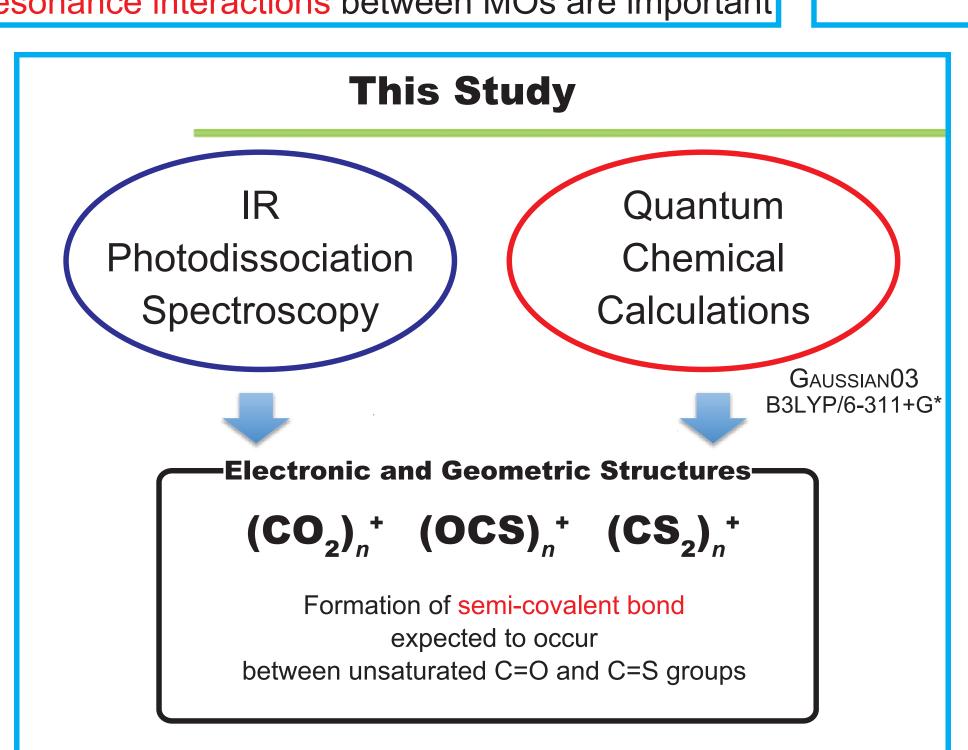
(広島大学) 井口佳哉, 小林悠亮, 江幡孝之

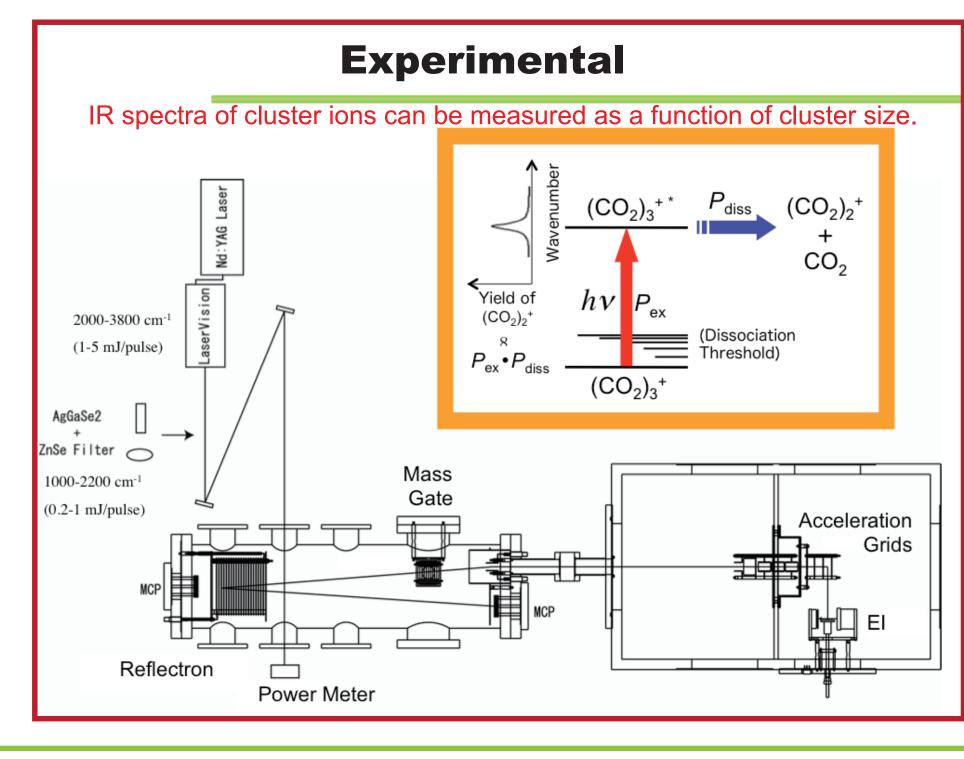


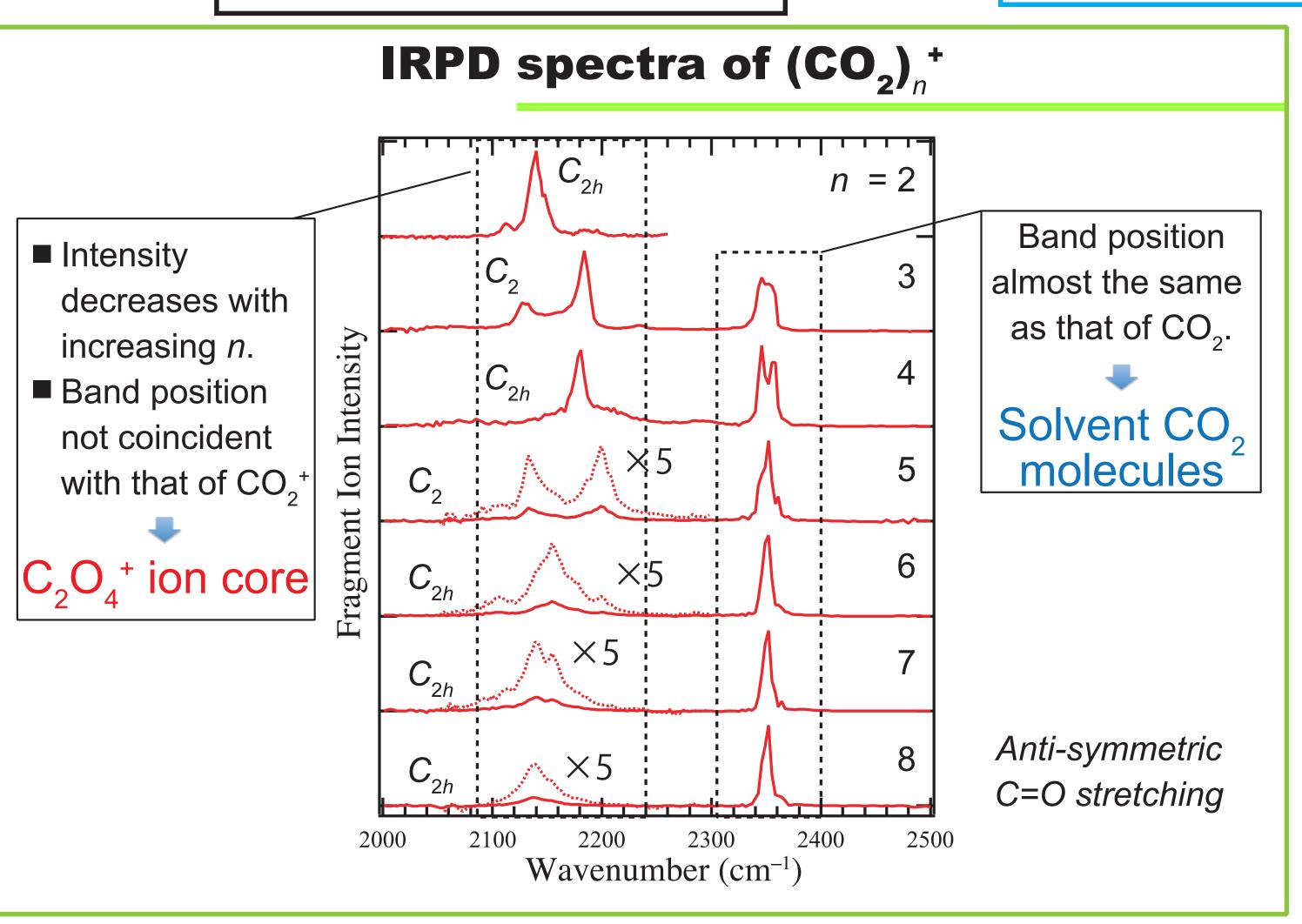


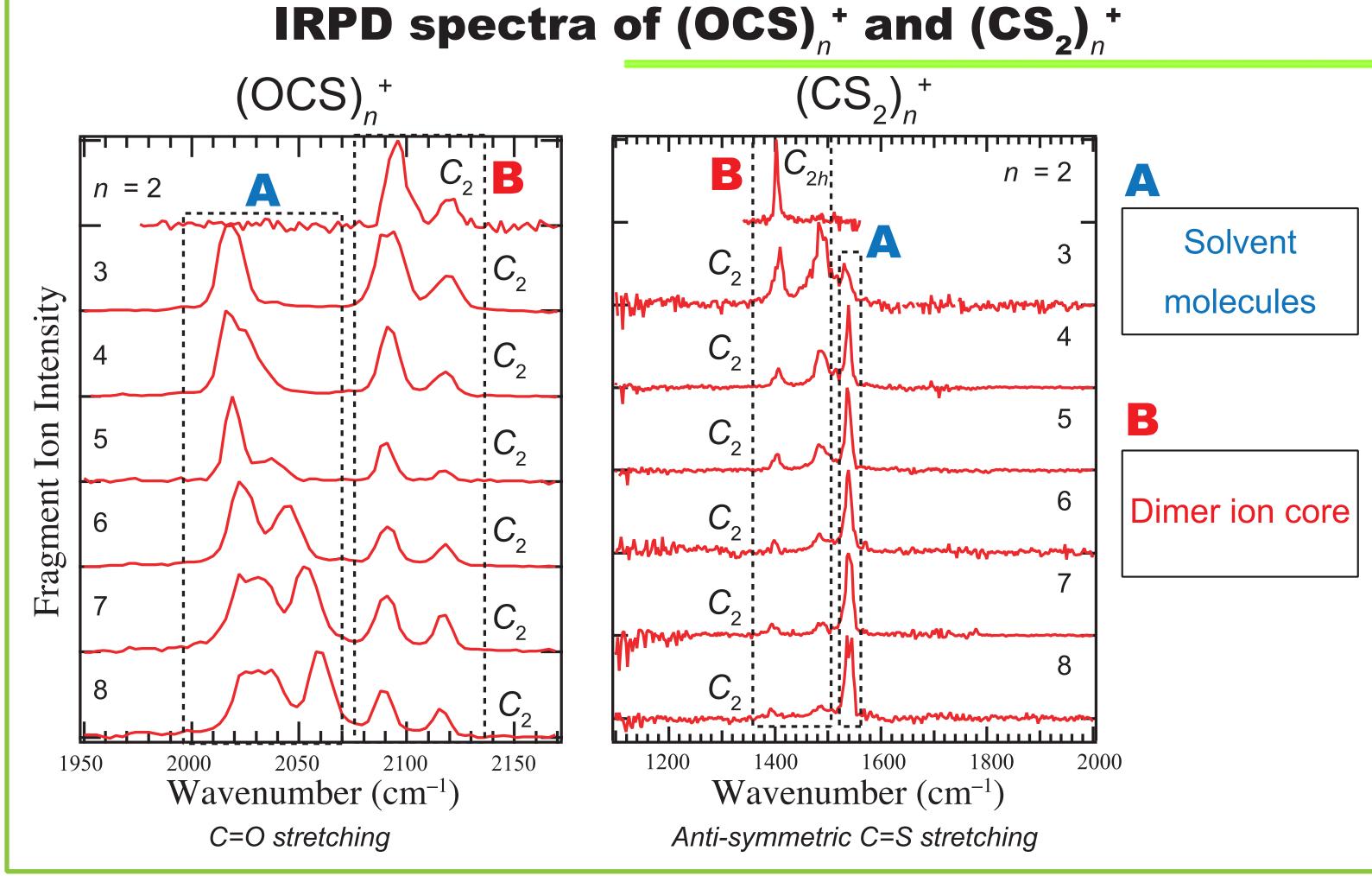


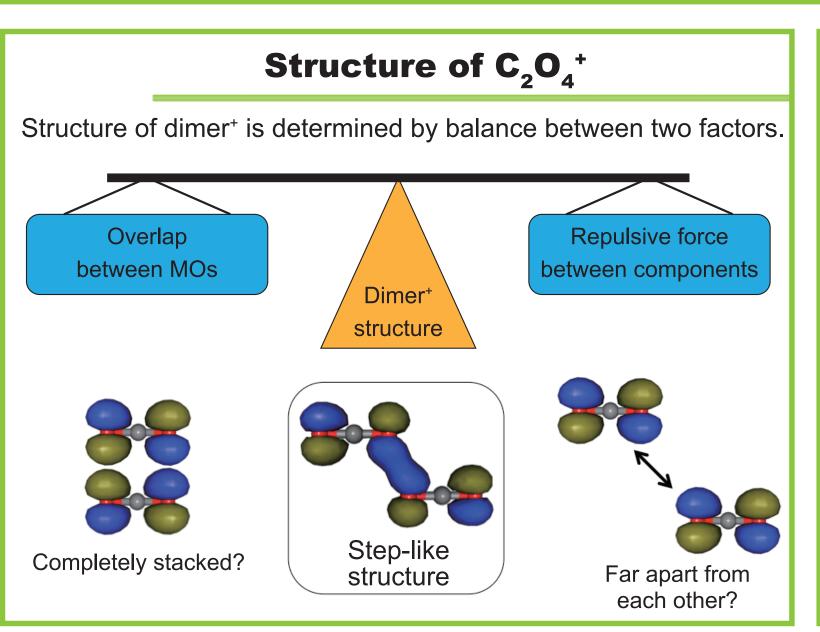


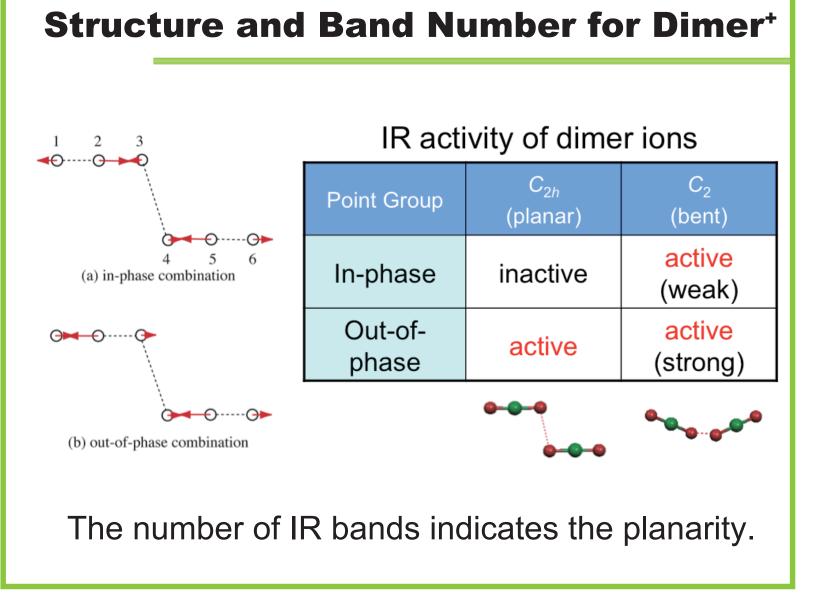


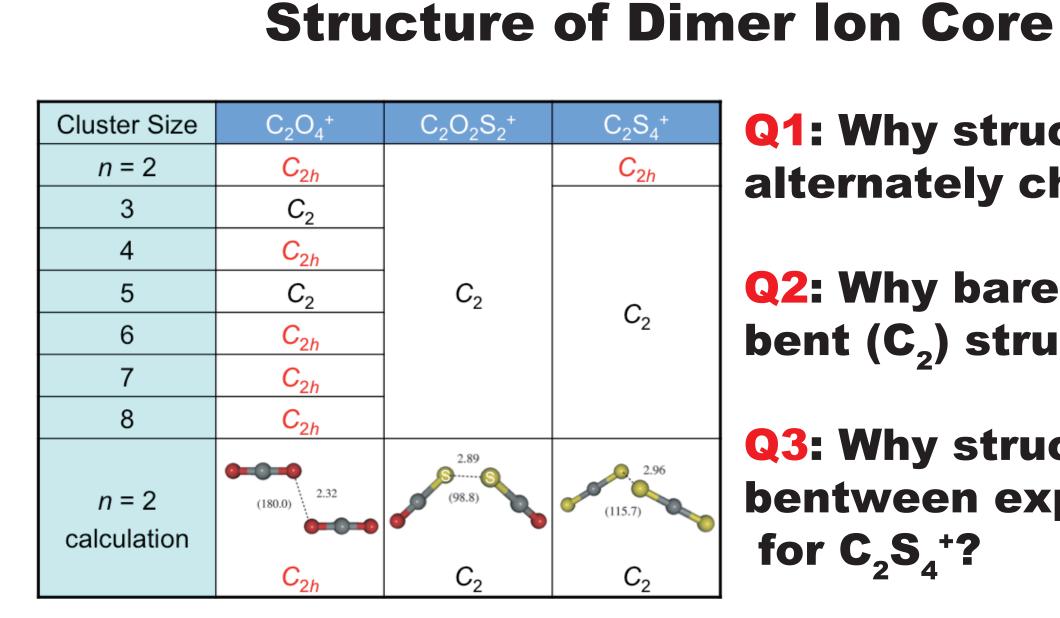




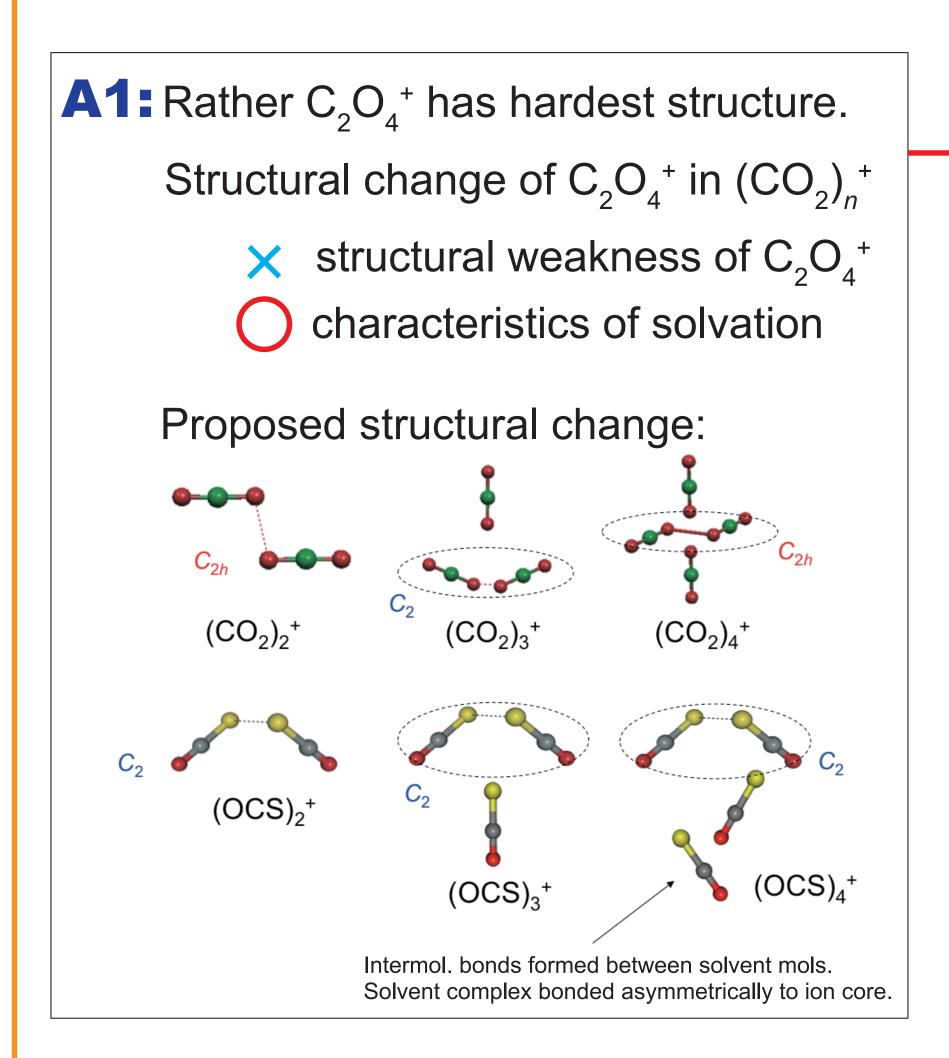


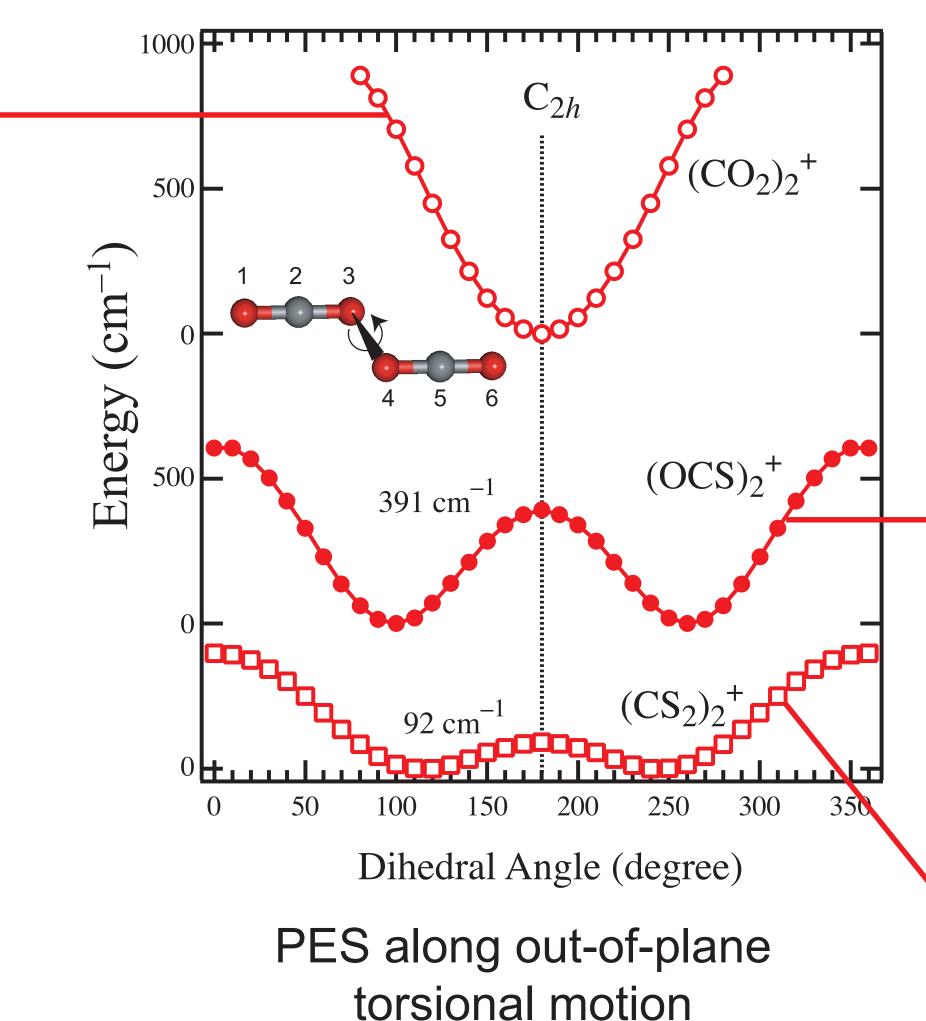


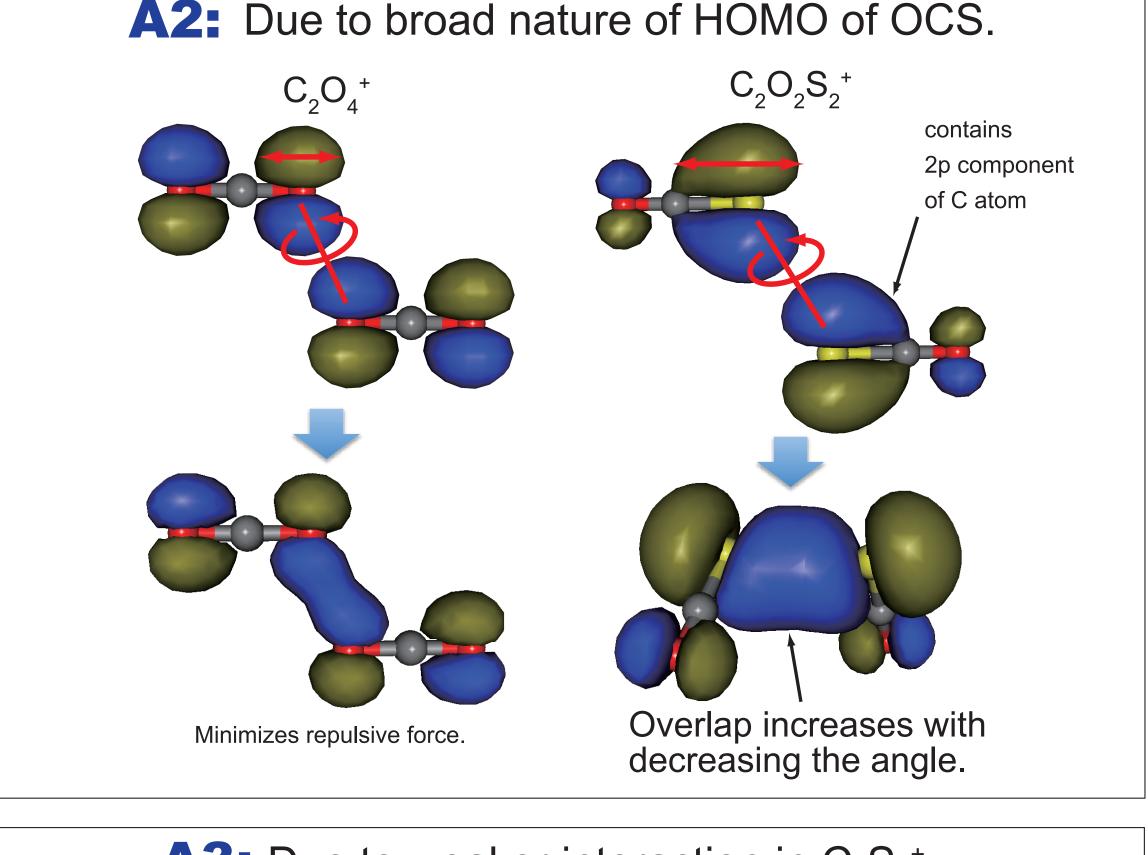




- Q1: Why structure of C₂O₄⁺ alternately changes?
- Q2: Why bare C₂O₂S₂⁺ has bent (C₂) structure?
- Q3: Why structure different bentween exp. and calc. for C₂S₄+?







A3: Due to weaker interaction in $C_2S_4^+$.

PES shallow → weaker intermolecular interaction Calculation cannot reproduce correctly the PES.