RYUKOKU
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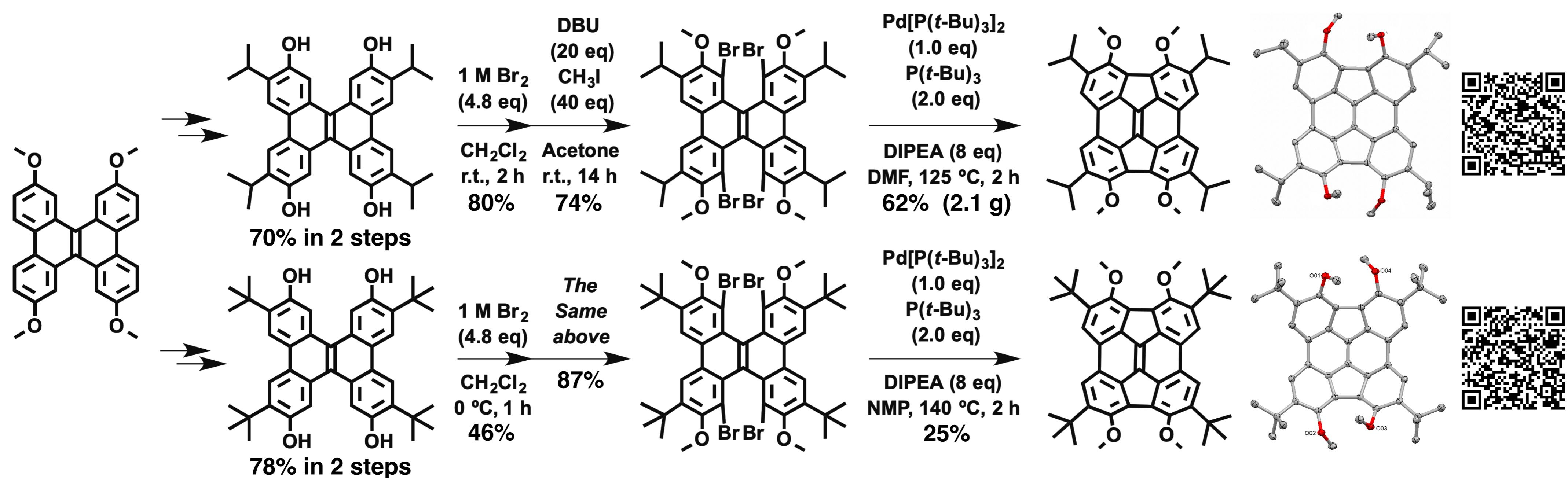
Synthesis of Diindeno(1,2,3,4-defg:1',2',3',4'-mnop)chrysene

Buckybowls with Structural Analysis

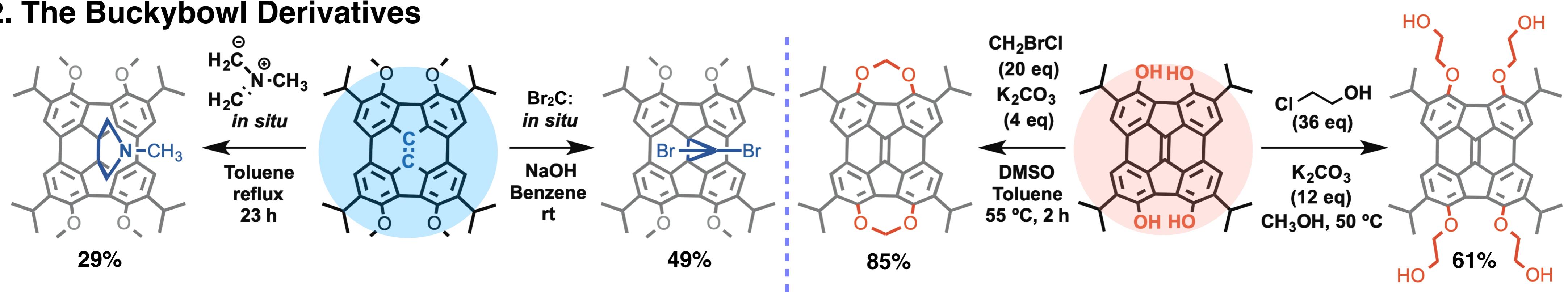
R. Akasaka, N. Yoshida, T. Iwasawa*

¹ Department of Materials Chemistry, Ryukoku University, Seta, Otsu, Shiga 520-2194, Japan

1. Summary N. Yoshida, R. Akasaka, Y. Awakura, T. Amaya, T. Iwasawa, Eur. J. Org. Chem. 2021, 5343-5347.

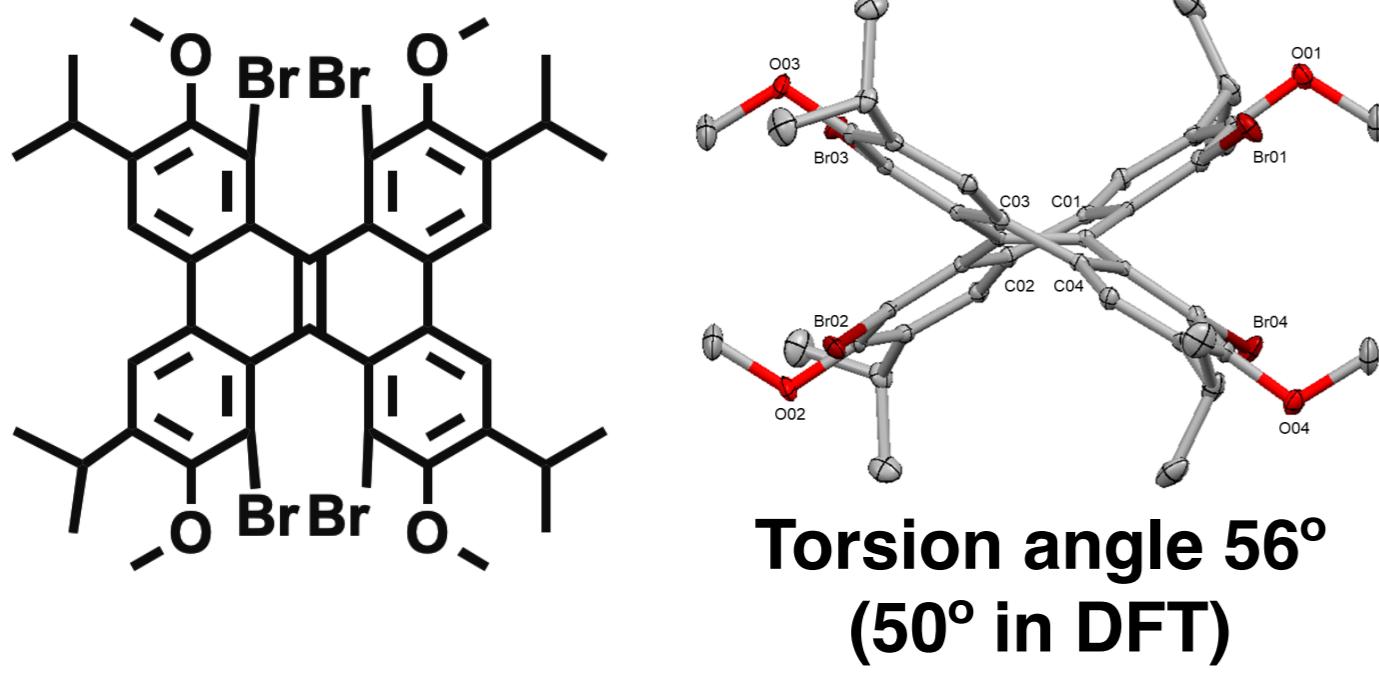


2. The Buckybowl Derivatives

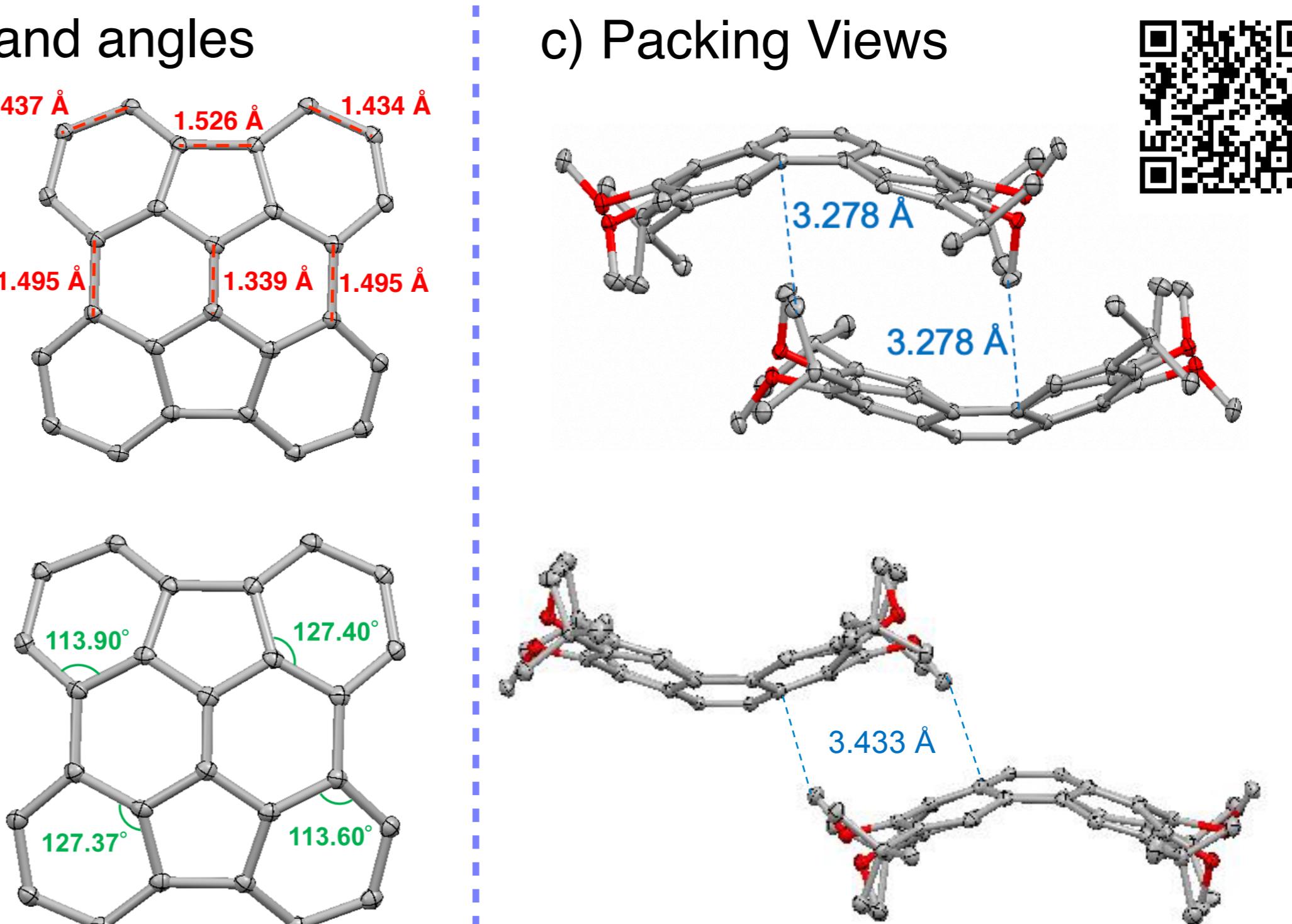
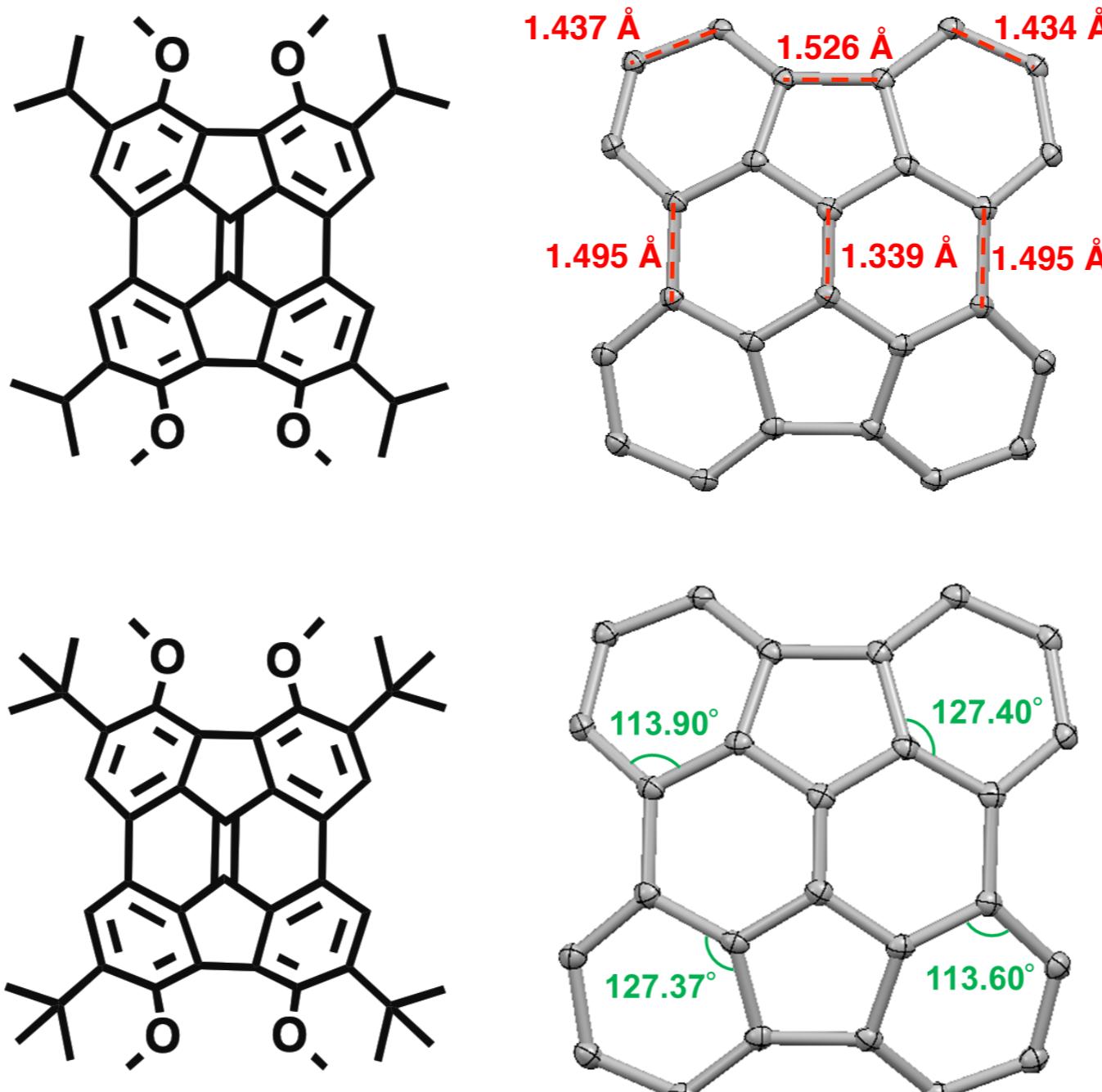


3. Crystallographic Analyses and DFT Calculations (B3LYP/6-31G(d,p))

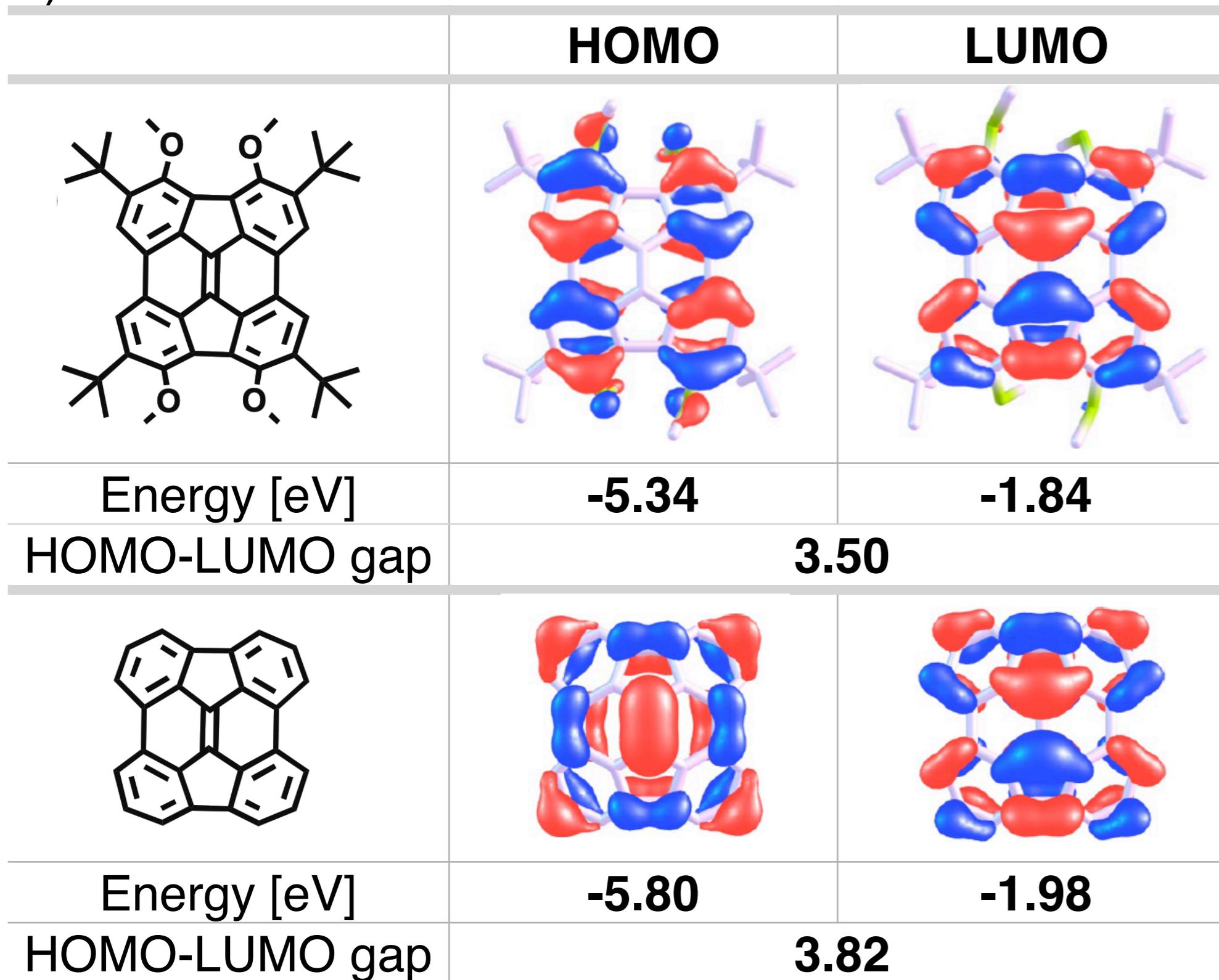
a) Twisted Precursors



b) Bond lengths and angles



d) HOMO/LUMO levels



e) POAV and Bowl-depths

