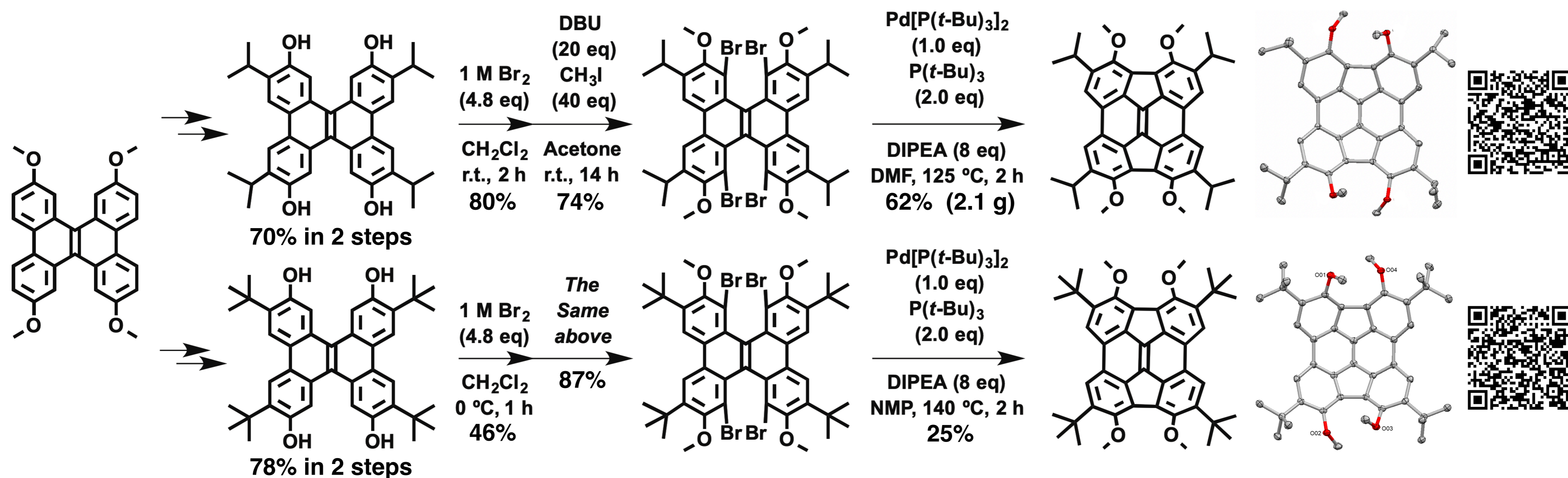
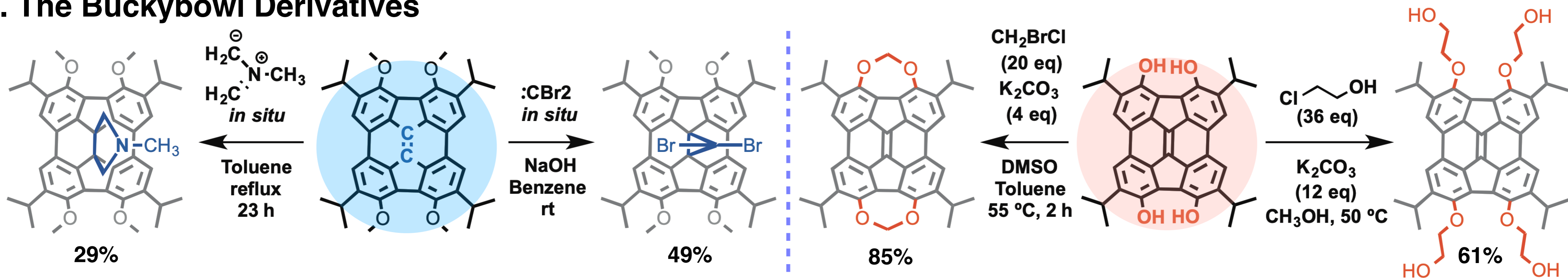




1. Summary N. Yoshida, R. Akasaka, Y. Awakura, T. Amaya, T. Iwasawa, *Eur. J. Org. Chem.* **2021**, 5343-5347.

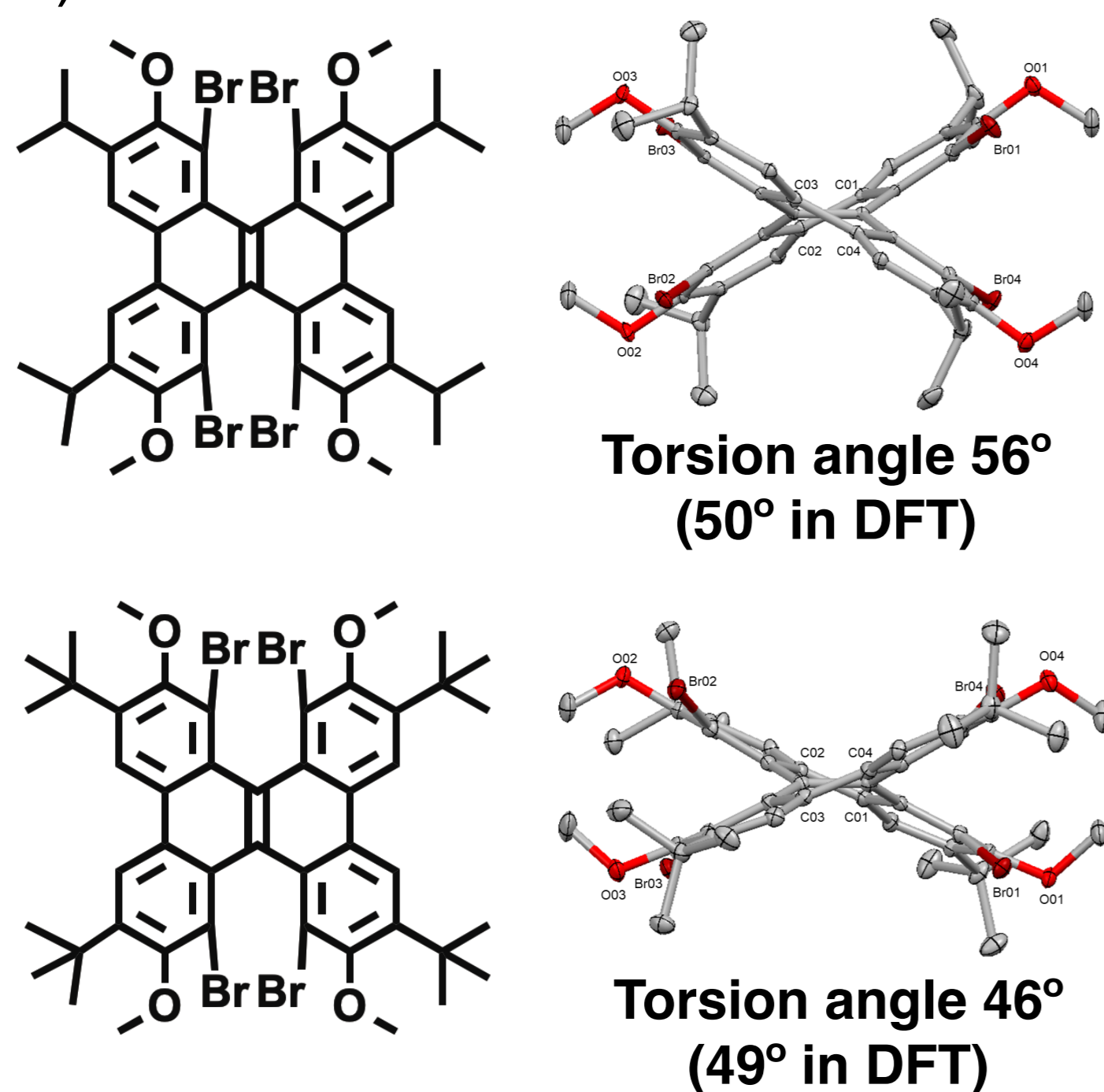


2. The Buckybowl Derivatives

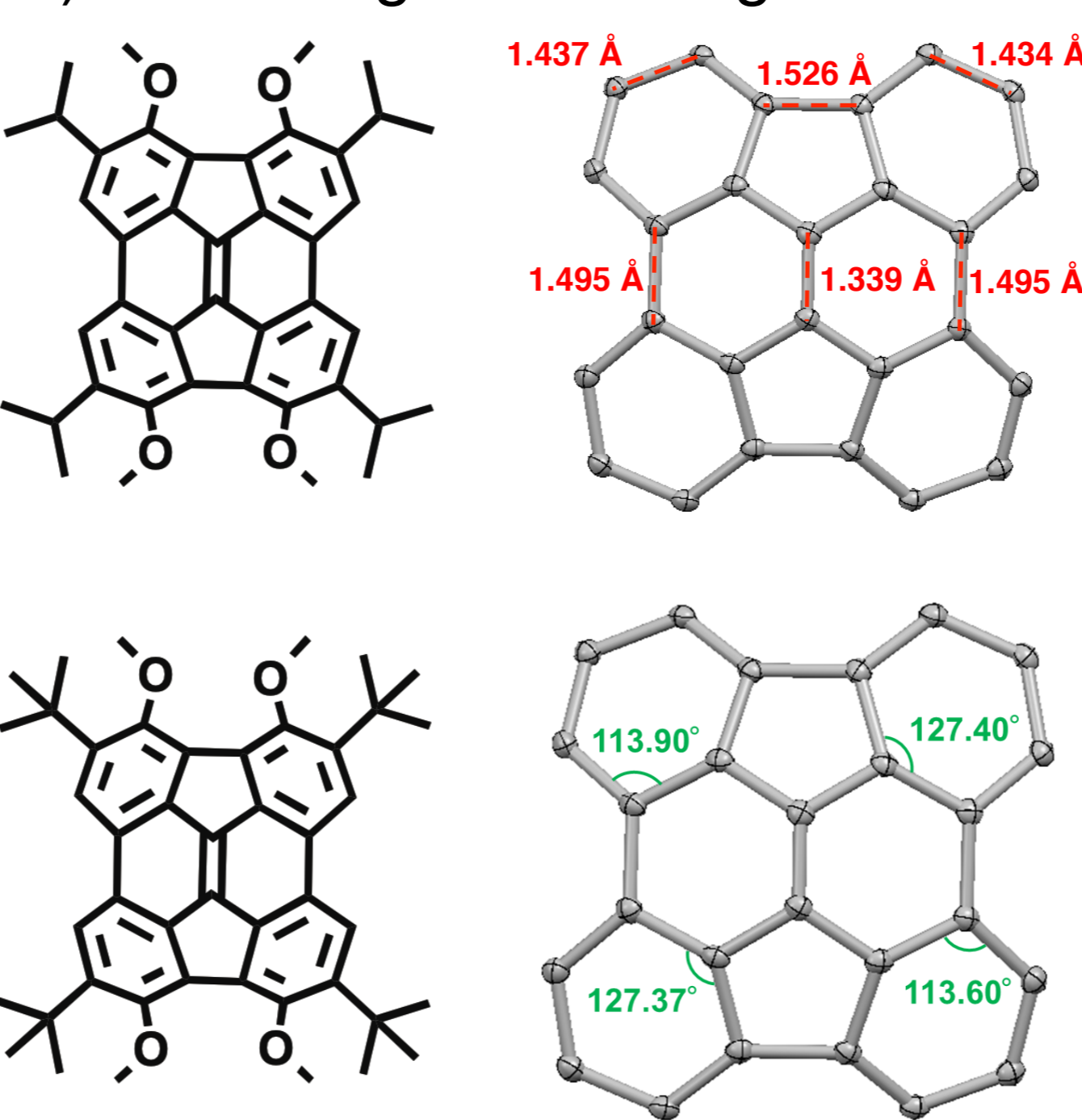


3. Crystallographic Analyses and DFT Calculations (B3LYP/6-31G(d,p))

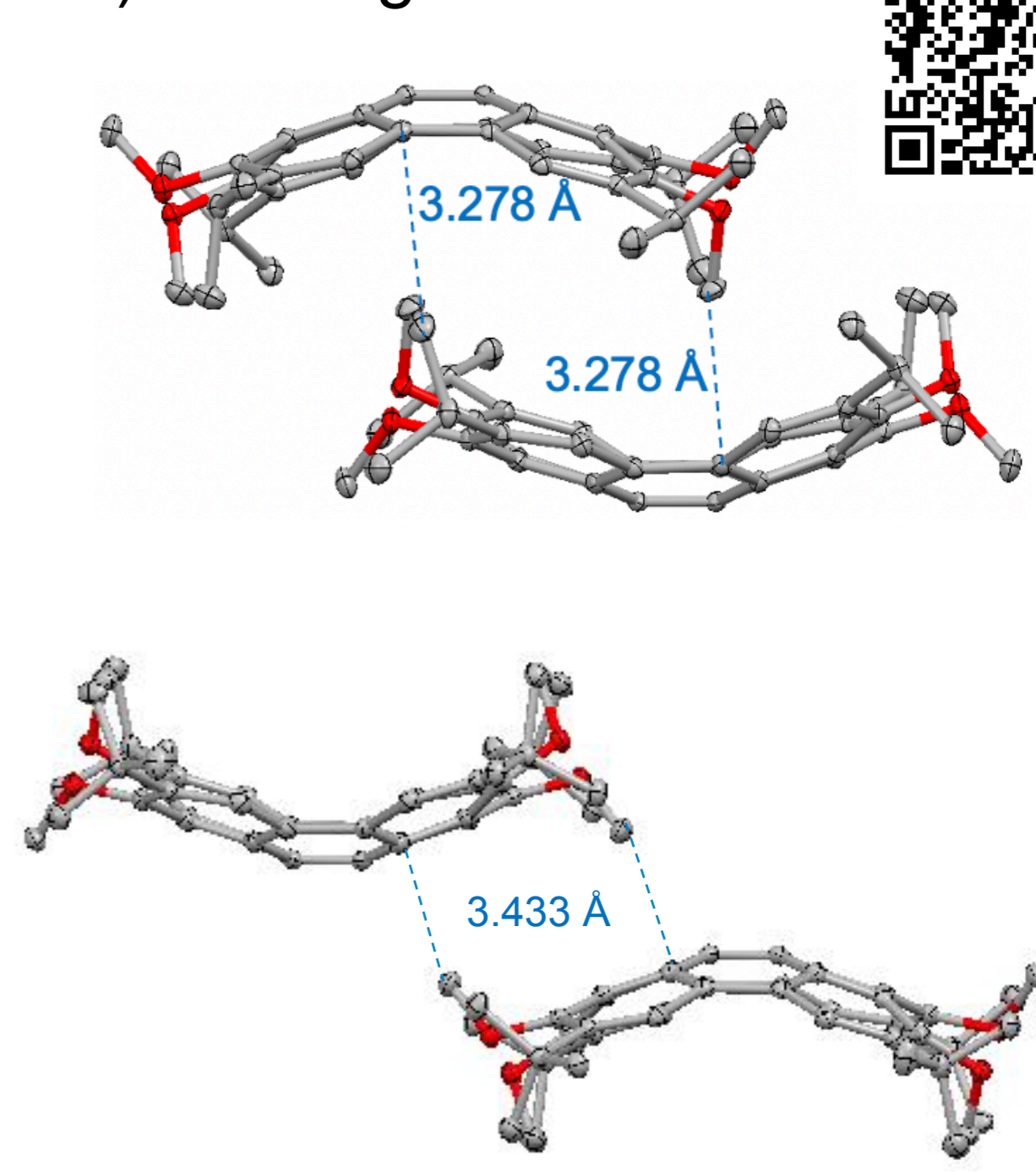
a) Twisted Precursors



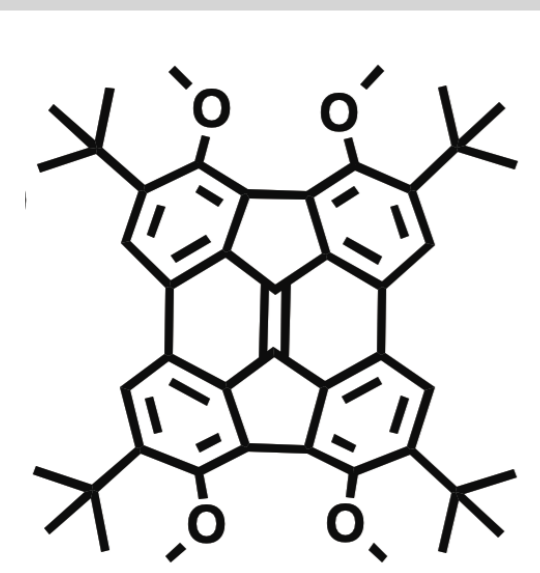
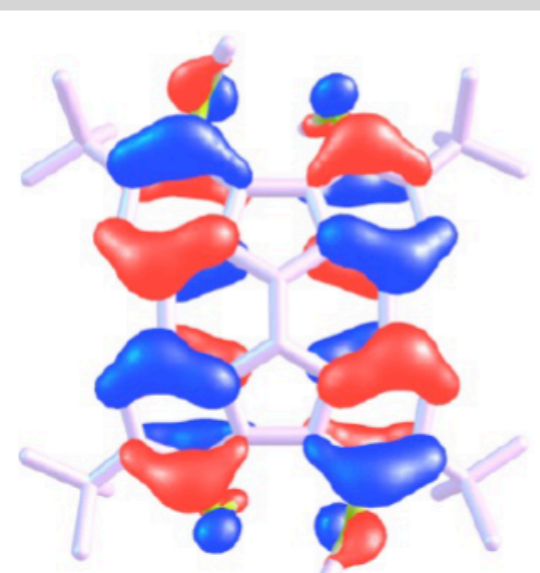
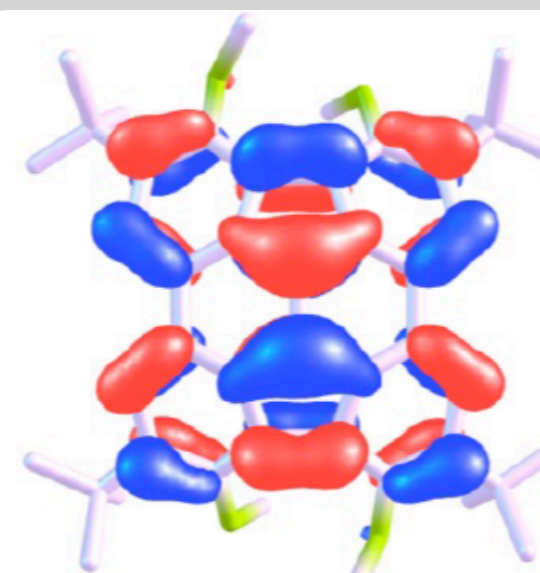
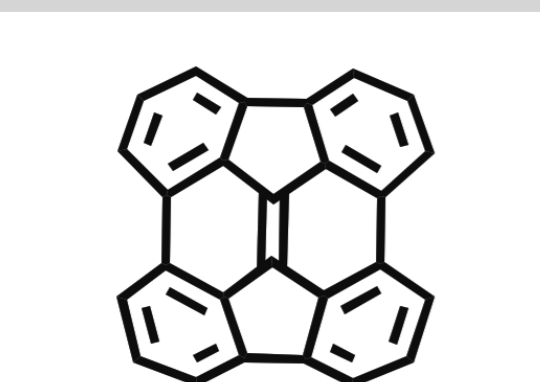
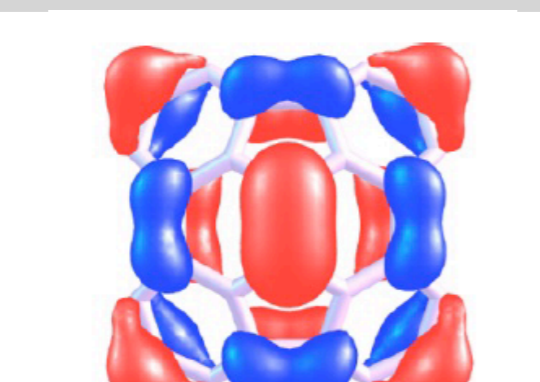
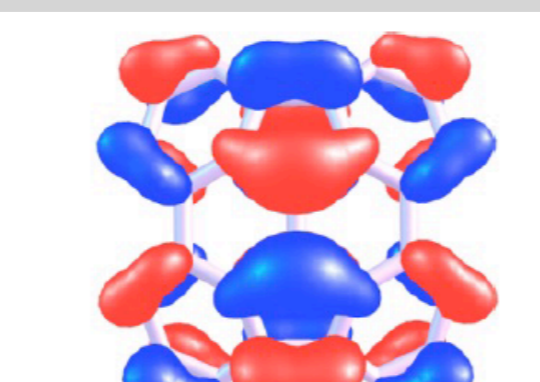
b) Bond lengths and angles



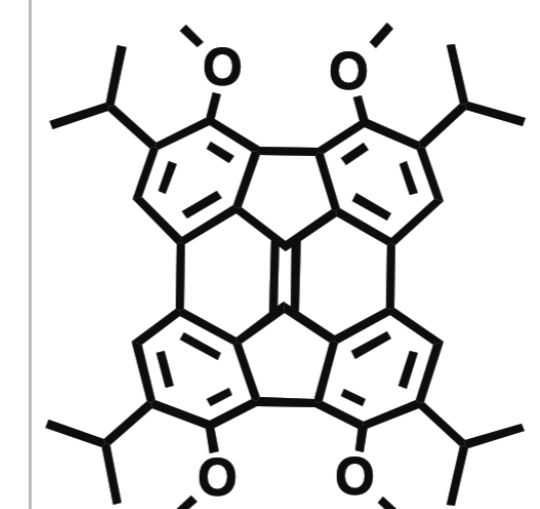
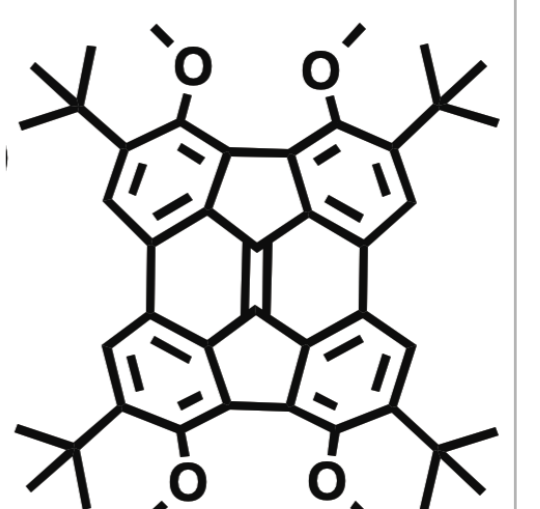
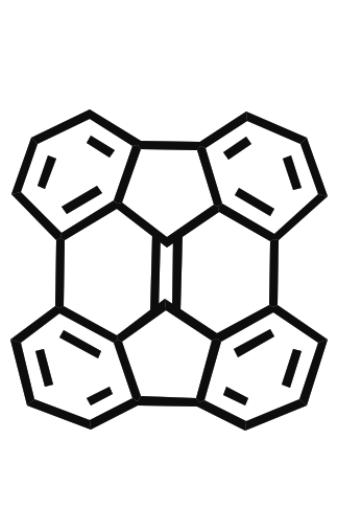
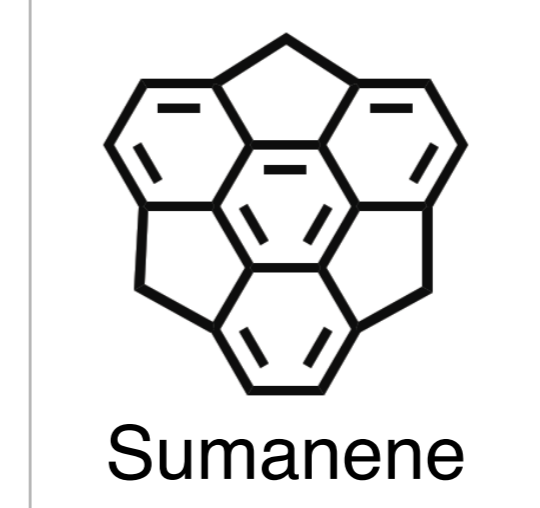
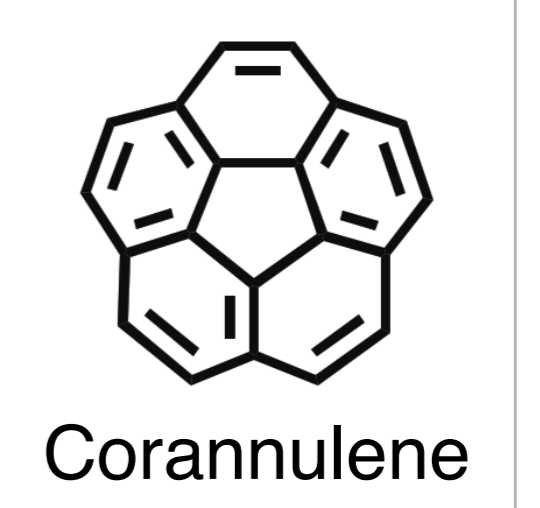
c) Packing Views



d) HOMO/LUMO levels

	HOMO	LUMO
		
Energy [eV]	-5.34	-1.84
HOMO-LUMO gap	3.50	
		
Energy [eV]	-5.80	-1.98
HOMO-LUMO gap	3.82	

e) POAV and Bowl-depths

Buckybowls			
POAV/°	8.6	9.1	9.0
Bowl depth/Å	1.54	1.54	1.44
Buckybowls			
POAV/°	9.0	8.2	
Bowl depth/Å	1.11	0.87	