

Electronic supplementary information

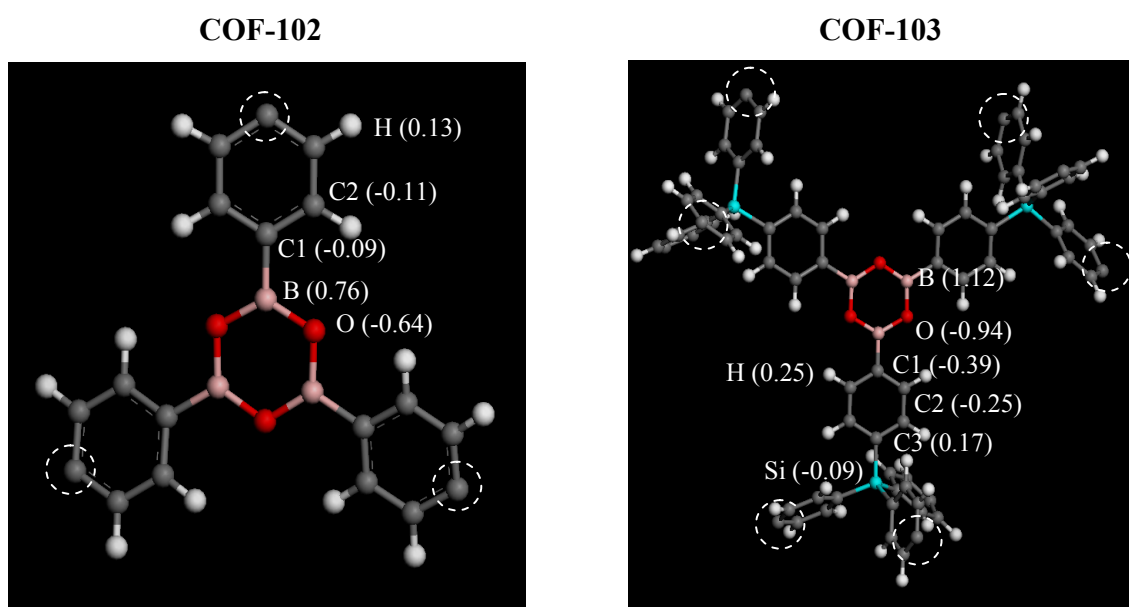
Exceptionally high CO₂ storage in covalent-organic frameworks:

Atomistic simulation study

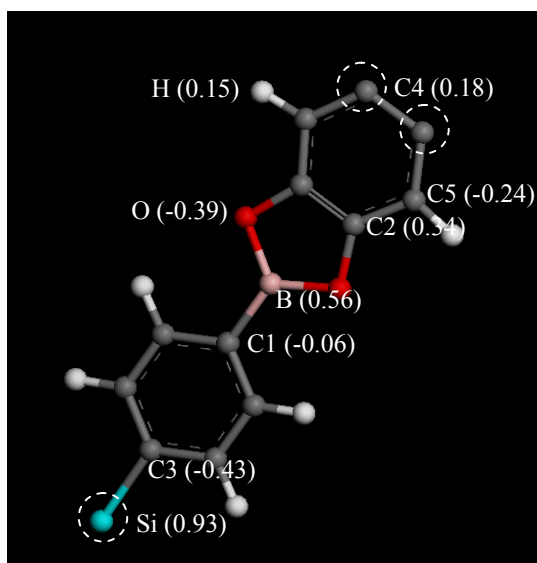
Ravichandar Babarao and Jianwen Jiang*

*Department of Chemical & Biomolecular Engineering, National University of Singapore,
Singapore 117576*

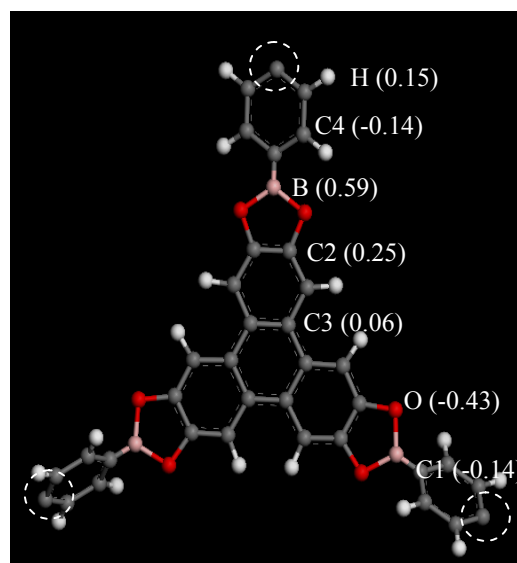
Figure S1. Atomic charges in COF-102, COF-103, COF-105, COF-108, COF-6, COF-8, COF-10 and COF_NT. Different cluster models were used in the density-functional theory calculations. The dangling bonds (indicated by dashed circles) in the cleaved clusters were terminated by methyl group to maintain the correct hybridization.



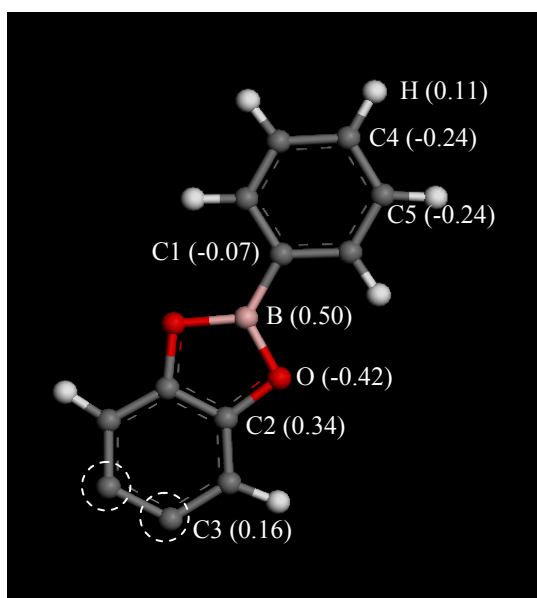
COF-105



COF-108



COF-6, COF-8 and COF-10



COF_NT

