

Supporting Information for CrystEngComm.

A Quaternary-Ammonium-Functionalized Covalent Organic Framework for Anion Conduction

Hongxia Guo,^{†,‡} Junhua Wang,[‡] Qianrong Fang,^{‡,§} Yun Zhao,[‡] Shuang Gu,[‡] Jie Zheng,[‡] Yushan Yan^{‡*}

[†] College of Materials Science and Engineering, Beijing University of Technology, Beijing 100124, P. R. China

[‡] Department of Chemical and Biomolecular Engineering, Center for Catalytic Science and Technology, University of Delaware, Newark, Delaware 19716, United States

[§] State Key Laboratory of Inorganic Synthesis and Preparative Chemistry, Jilin University, Changchun 130012, P. R. China

*** Corresponding author:**

Prof. Dr. Yushan Yan

Department of Chemical and Biomolecular Engineering, Center for Catalytic Science and Technology, University of Delaware,
Newark, Delaware 19716, United States

E-mail: yanys@udel.edu (Y. Yan)

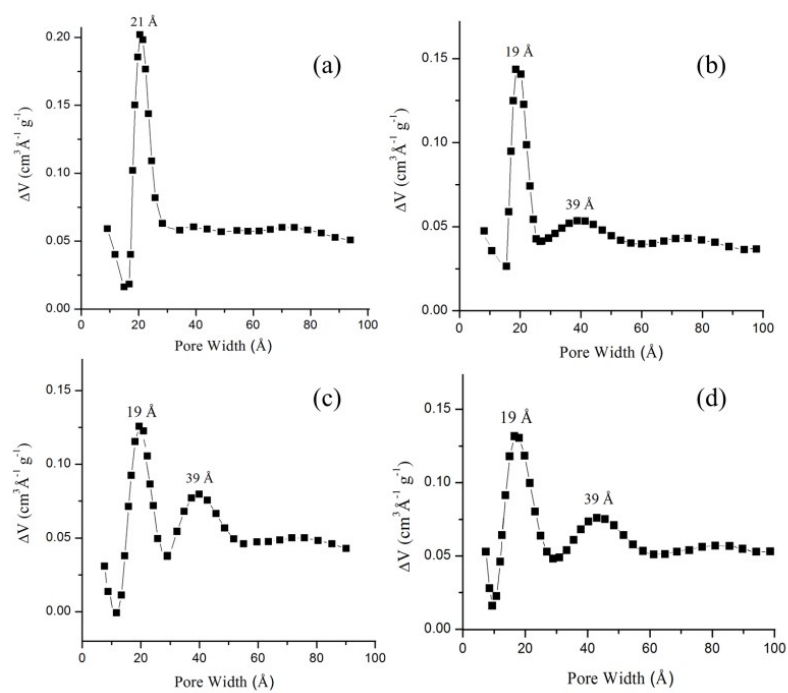


Figure SI 1. Pore size distributions of (a) TpBD-Me, (b) TpBD-MeBr, (c) TpBD-MeQA⁺Br⁻, and (d) TpBD-MeQA⁺OH⁻.

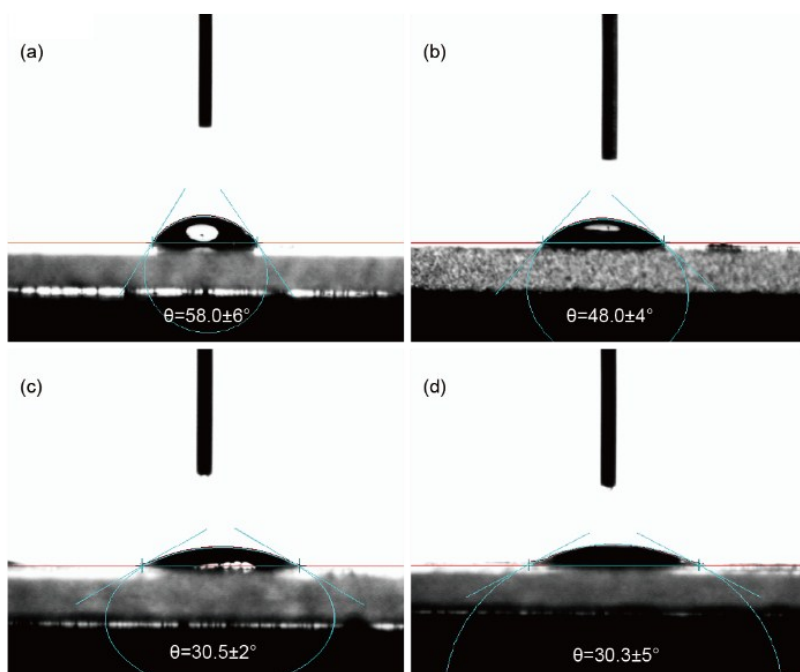


Figure SI 2. Water contact angle of (a) TpBD-Me, (b) TpBD-MeBr, (c) TpBD-MeQA⁺Br⁻, and (d) TpBD-MeQA⁺OH⁻.