Exfoliation of α-Zirconium Phosphate Using

Tetraalkylammonium Hydroxides

Hao Ding,^{1,2} Sana T. Khan,² Keanu N. Aguirre,² Robert S. Camarda,² John B. Gafney,²

Abraham Clearfield,³ Luyi Sun*^{1,2,4}

¹Polymer Program, Institute of Materials Science, University of Connecticut, Storrs,

Connecticut 06269, United States

²Department of Chemical and Biomolecular Engineering, University of Connecticut,

Storrs, Connecticut 06269, United States

³Department of Chemistry, Texas A&M University, College Station, Texas 77842, United

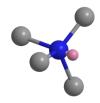
States

⁴Department of Biomedical Engineering, University of Connecticut, Storrs, CT 06269,

United States

*Author to whom correspondence should be addressed:

Dr. Luyi Sun, Tel: (860) 486-6895; Fax: (860) 486-4745; Email: luyi.sun@uconn.edu





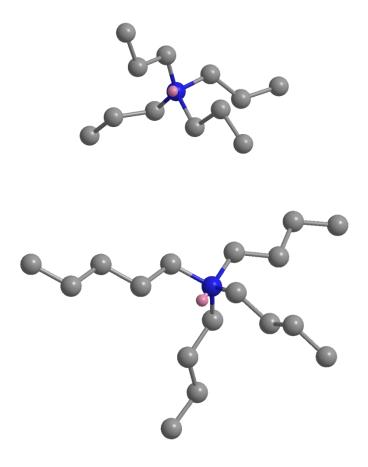


Figure S1. Structure of TXA cations, with the blue balls for nitrogen, grey for carbon and pink for the lone pair (from top to bottom: TMA, TEA, TPA, and TBA) simulated using ChemBio3D Ultra 13.0 under the lowest energy.