

Cui Chemistry

Cui Chemistry - School of Arts and Sciences. Then the Chemistry major is the major for you. The study of Chemistry endeavors to develop students who possess high-level numerical, computational, experimental, and analytical abilities seeking to prepare you to formulate, investigate, analyze, and articulate solutions to major scientific, technological, environmental,...CuI is used as a reagent in organic synthesis. In combination with 1,2- or 1,3 diamine ligands, CuI catalyzes the conversion of aryl-, heteroaryl-, and vinyl-bromides into the corresponding iodides. NaI is the typical iodide source and dioxane is a typical solvent (see aromatic Finkelstein reaction).Bianxiao Cui studied materials science and engineering at the University of Science & Technology of China (B.S. 1998) before pursuing doctoral study in physical chemistry at the University of Chicago (Ph.D. 2002).One major area involves improving the efficiency and accuracy of combined quantum mechanical and classical mechanical methods, such that bond-breaking and bond-formation (chemistry!) can be studied in detail for realistic chemical (e.g., at solid/liquid interface) and biological environments.