AI/CuO composites assembled by bi -functional linker

____, , , 1, KAIST; ¹kaist (dclœ@kaist.ac.kr^{*})

Thermite materials have higher combustion enthalpy than common explosive materials. To achieve high ignition reaction properties, fuel and oxidizer should be mixed homogeniously and come into contact compactly. In this work, we assembled nano-energetic material using bi-functional linker for shorter distance between fuel and oxidizer. We confirmed assembled structure and improved ignition properties through several measurement.