

Electronic Supplementary Information

Effects of the π - π Stacking Interactions on the Patterns of Gold Nanoparticles Formed at the Air/Water Interface

Han Jia^a, Xiangtao Bai^b, Lijuan Shi^a, Fei Lu^a and Liqiang Zheng^{a*}

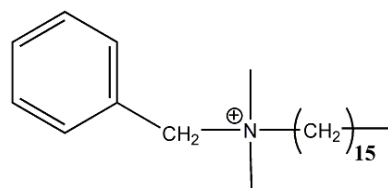
a. Key Laboratory of Colloid and Interface Chemistry, Shandong University, Ministry
of Education, Jinan, 250100, China.

b. General Research Institute for Nonferrous Metal, Beijing, 100088, China

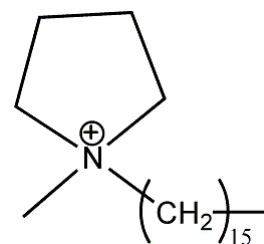
Tel.: +86 531 88366062

Fax: +86 531 88564750

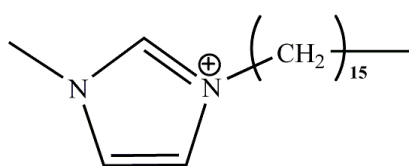
E-mail address: lqzheng@sdu.edu.cn



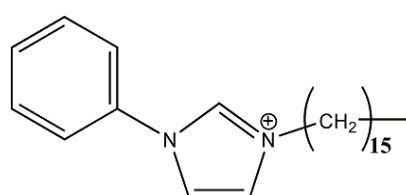
a: **BHDC**



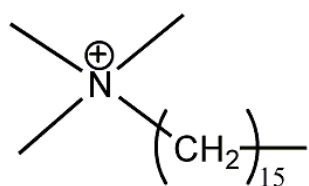
b: **C₁₆MPB**



c: **C₁₆mimBr**



d: **C₁₆pimBr**



e: **CTAB**

Figure S1. Molecular structures of the five capping agents.

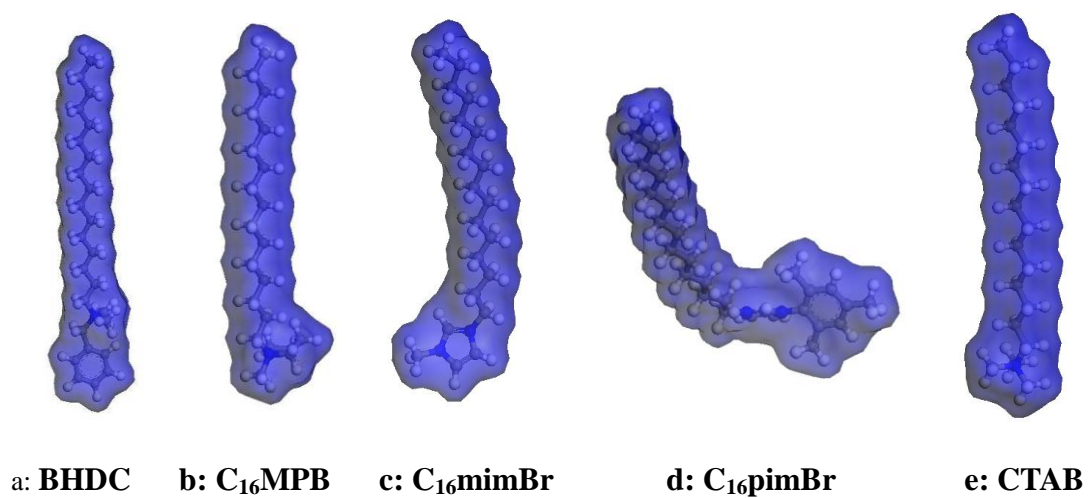


Figure S2. Optimized conformers of the five capping agents.