

Correction to “Mechanistic Insights into the Formation of Dodecanethiolate-Stabilized Magnetic Iridium Nanoparticles: Thiosulfate vs Thiol Ligands”

Diego J. Gavia, Yeonjin Do, Jiyeong Gu, and Young-Seok Shon*

J. Phys. Chem. C **2014**, *118*, 14548–14554. DOI: 10.1021/jp504239x

The correct graphic (^1H NMR spectra) for Figure 2 in the paper was replaced by the graphic of solutions, which was also, and should remain, Figure 1. The correct Figures 1 and 2, along with their corresponding captions, are shown below. We apologize for any potential confusion with regard to this misplacement and omission of figures.

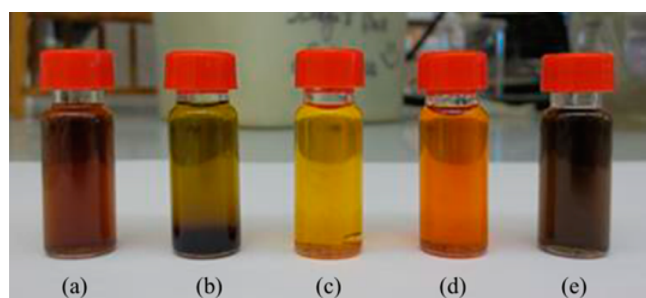


Figure 1. Picture of solutions containing (a) $\text{K}_2\text{IrCl}_6(\text{aq})$ (0.4 mmol), (b) $[\text{R}_4\text{N}^+]_2[\text{IrCl}_6^{2-}]_{(\text{toluene})}$, (c) 1-dodecanthiol (0.8 mmol) added to b, (d) NaBH_4 (4.0 mmol) added to c, and (e) *S*-dodecylthiosulfate (0.8 mmol) and NaBH_4 (4.0 mmol) added to b.

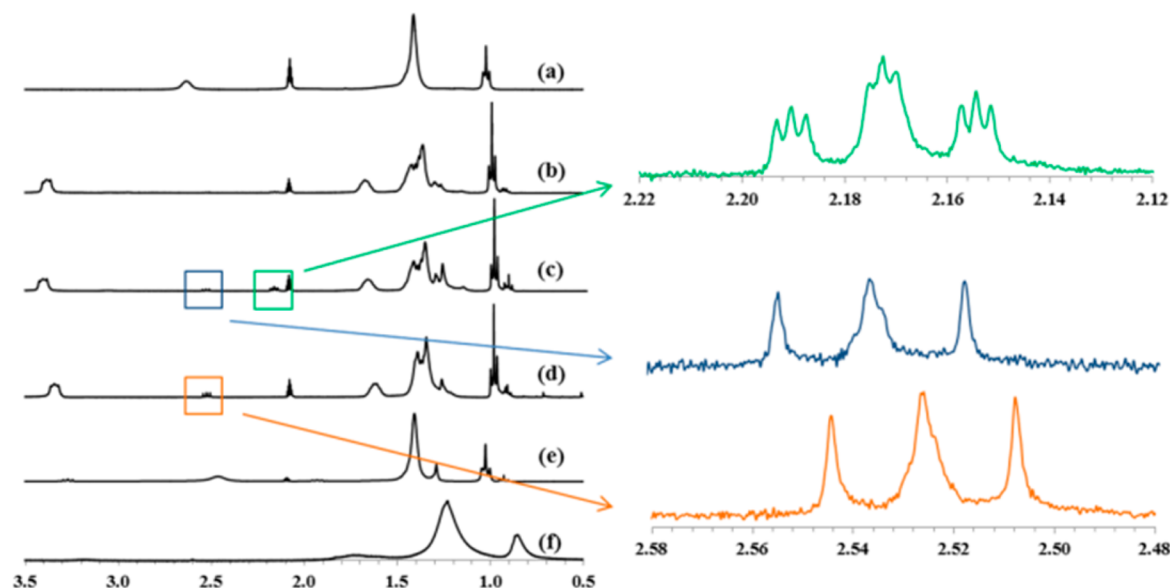


Figure 2. ^1H NMR spectra of (a) $[\text{R}_4\text{N}^+]_2[\text{IrX}_6^{2-}]$ in $\text{toluene-}d_8$ obtained after mixing the organic ($\text{toluene-}d_8$) layer of TOAB (2.0 mmol) and the aqueous (D_2O) layer of K_2IrCl_6 (0.4 mmol), (b) 1-dodecanthiol (0.8 mmol) added to a, (c) 1-dodecanthiol (1.6 mmol) added to a, (d) NaBH_4 (4.0 mmol) added to c, (e) *S*-dodecylthiosulfate (0.8 mmol) added to a, and (f) Ir nanoparticle in CDCl_3 after purification. The multiplet resonance at δ 2.09 ppm is due to the presence of the toluene solvent impurity.

Published: July 8, 2014