

Addition/Correction

Hydrogen Elimination from a Hydroxycyclopentadienyl Ruthenium(II) Hydride: Study of Hydrogen Activation in a Ligand–Metal Bifunctional Hydrogenation Catalyst [*J. Am. Chem. Soc.* 2005, 127, 3100–3109].

Charles P. Casey, Jeffrey B. Johnson, Steven W. Singer, and Qiang Cui

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Hydrogen Elimination from a Hydroxycyclopentadienyl Ruthenium(II) Hydride: Study of Hydrogen Activation in a Ligand–Metal Bifunctional Hydrogenation Catalyst [*J. Am. Chem. Soc.* **2005**, *127*, 3100–3109]. Charles P. Casey,* Jeffrey B. Johnson, Steven W. Singer, Qiang Cui*

Errors were made in reporting the Pulse Gradient Spin Echo NMR measurements of [2,5-Ph₂-3,4-Tol₂(η^5 -C₄COH)]Ru(CO)₂H (**3**), and of a monruthenium (**9**) and a diruthenium model compound (**5**). Use of ms instead of s units for delay times resulted in arithmetical errors of about 10³ in the diffusion coefficients. The newly calculated diffusion coefficient for **3-RuHOH** ($D = 1.94 \times 10^{-8} \text{ m}^2 \text{ s}^{-1}$) is similar to that of ruthenium dimer **5** ($D = 2.03 \times 10^{-8} \text{ m}^2 \text{ s}^{-1}$) and substantially different from that of the methoxy-protected monomer **9** ($D = 3.68 \times 10^{-8} \text{ m}^2 \text{ s}^{-1}$). Similar errors were also made in Supporting Information. The qualitative conclusion that the molecular weight of **3** in toluene is similar to that of **5** is unchanged and supports the conclusion that **3** is dimeric in toluene.

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