Additions and Corrections

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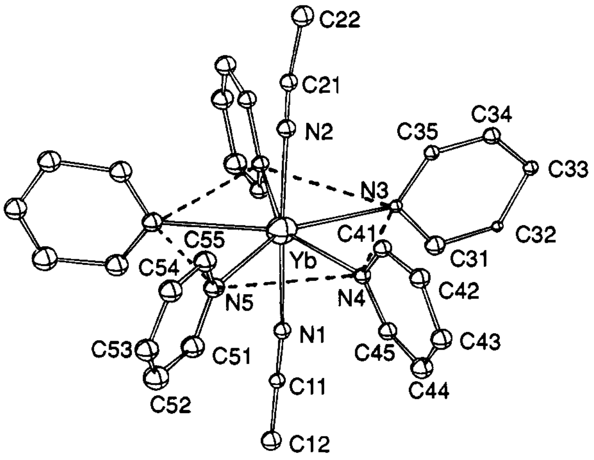
James P. White III, Haibin Deng, Edwin P. Boyd, Judith Gallucci, and Sheldon G. Shore*: Coordination Geometries of Solvated Lanthanide(II) Ions: Molecular Structures of the Cationic Species $[(\mathrm{DIME})_3\mathrm{Ln}]^{2+}$ (DIME = Diethylene Glycol Dimethyl Ether; Ln^{2+} = Sm, Yb), $[(\mathrm{DIME})_2\mathrm{Yb}(\mathrm{CH_3CN})_2]^{2+}$, $[(\mathrm{DIME})\mathrm{Yb}(\mathrm{CH_3CN})_5]^{2+}$, and $[(\mathrm{C_5H_5N})_5\mathrm{Yb}(\mathrm{CH_3CN})_2]^{2+}$.

Page 1691. Figure 5 in the original paper was incorrect. A revised version is printed below:



Robert H. Morris* and Marcel Schlaf: π-Bonding of the Dihydrogen Ligand Probed by Mössbauer Spectroscopy.

Page 1725. The following article, where the Mössbauer spectra of the dihydrogen complexes $[\mathrm{Fe(H_2)H(depe)_2}]\mathrm{BPh_4}$ and $[\mathrm{Fe(H_2)H(dmpe)_2}]\mathrm{BPh_4}$ at 77 K were reported, should have been cited: Evans, D. J.; Jimenez-Tenorio, M.; Leigh, G. J. *J. Chem. Soc., Dalton Trans.* **1991**, 1785−1787. It is interesting to note that the quadrupole coupling constant for the depe complex must be quite temperature dependent because these authors report a constant of -0.23 mm s^{-1} (sample at 77 K) while we report a constant of 0.0 mm s^{-1} at 293 K. The Mössbauer parameters for $[\mathrm{Fe(H_2)H(depe)_2}]\mathrm{BPh_4}$ at 77 K are similar to those of the dinitrogen complex $[\mathrm{Fe(N_2)H(depe)_2}]\mathrm{BPh_4}$ at 77 K while the quadrupole couplings for the samples at 293 K are different.

Page 1726. We found by measuring the isomer shift of $[\mathrm{Fe(N_2)H(depe)_2}]\mathrm{BPh_4}$ (IS = 0.05, QS = -0.27) that our isomer shift scale must differ by 0.11 mm s^{-1} from that used by Bancroft et al., ref 20. Evans et al. (see above) also found that their scale was shifted by 0.08 mm s^{-1} from that of Bancroft et al. Therefore, in Table 1, the isomer shift (IS) of $[\mathrm{Fe(H_2)H(depe)_2}]\mathrm{BPh_4}$ at 293 K should be 0.08 mm s^{-1}, not -0.03 mm s^{-1}, to be consistent with the data of Bancroft et al. This moves the point for H_2 in Figure 1 up a little but does not change the conclusions of the paper. However our value of -0.03 mm s^{-1} is probably correctly referenced to stainless steel.

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