Inorganic Chemistry

Addition/Correction

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Correction to Octakis(*tert*-butoxo)dicerium(IV) $[Ce_2(O^tBu)_8]$: Synthesis, Characterization, Decomposition, and Reactivity

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Page 2752. The authors want to correct the calculated hydrodynamic radius of $[Ce_2(O^tBu)_8]$ r_H = 18 Å, which was determined by 2D ^{1}H NMR DOSY experiment. The reported self-diffusion coefficient of $D = 3.02 \times 10^{-9}$ m^2 s^{-1} for the homometallic alkoxide in $CDCl_3$ corresponds to a radius of 1.3 Å calculated by using the Stokes−Einstein equation. The value does not correlate to the molecular size of the complex, either monomer or dimer; moreover, the measurement seems to be affected by convection phenomena in the low-viscosity solvent. Despite the absence of spectroscopic evidence for retention of the dimeric structure in solution, the existence of a bimetallic species is still very likely considering the demand of the rare-earth-metal center for higher coordination numbers manifested by the tendency of $[Ce_2(O^tBu)_8]$ to form the octahedral coordinated species $[Ce_3O(O^tBu)_{10}]$ and $[Ce_3(O^tBu)_{11}]$. We acknowledge François Ribot (Pierre and Marie Curie University, Paris) for bringing this to our attention. The authors apologize for the error.

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