Fractionation of Rare-Earth Metallofullerenes via Reversible Uptake and Release from Reactive Silica

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Figure SI-1. Overview of the separation strategy for isolating a sample containing Gd$_3$N@C$_{80}$ as the only metallofullerene present in a mixture with C$_{60}$ and C$_{70}$ (filtrate). The method for enriched fractions of Gd$_2$C$_{2n}$ and Gd$_3$N@C$_{2n}$ higher metallofullerenes uses CS$_2$ release chemistry.