



Showcasing research from Professor Wenliang Huang's laboratory, College of Chemistry and Molecular Engineering, Peking University, Beijing, China.

Neutral inverse-sandwich rare-earth metal complexes of the benzene tetraanion

A series of neutral inverse-sandwich rare-earth metal complexes containing the parent benzene and para-xylene tetraanion supported by a bulky BDI ligand were reported. The core $[M^{3+}-(\text{arene})^{4-}-M^{3+}]$ electronic structure features strong metal–arene δ interaction. Reactivity studies unveil that a samarium benzene complex can behave as a four-electron reductant.

As featured in:



See Wenliang Huang *et al.*,
Chem. Sci., 2024, **15**, 8740.