

Publication

A New Dimension in Cyclic Coinage Metal Pyrazolates: Decoration with a Second Ring of Coinage Metals by Inter-ring Metallophilic Interactions

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)**ID** 1474922**Author(s)** Jahnke, Ann Christin; Proepper, Kevin; Bronner, Catherine; Teichgraeber, Joerg; Dechert, Sebastian; John, Michael; Wenger, Oliver S.; Meyer, Franc**Author(s) at UniBasel** [Wenger, Oliver](#) ; [Jahnke, Ann Christin](#) ; [Bronner, Catherine](#) ;**Year** 2012**Title** A New Dimension in Cyclic Coinage Metal Pyrazolates: Decoration with a Second Ring of Coinage Metals by Inter-ring Metallophilic Interactions**Journal** Journal of the American Chemical Society**Volume** 134**Number** 6**Pages / Article-Number** 2938-2941

When pyrazolate ligands with thioether chelate arms are used in cyclic coinage metal pyrazolates $[\text{Au}(\mu\text{-pz})]_n$, the inner gold ring can be framed with an outer silver ring to give novel heterometallic double-crowned complexes $[\text{AuAg}(\mu\text{-Lx})(\text{BF}_4)]_4$. They feature short intramolecular in-plane Ag–Au interactions, are stable as octanuclear species in solution, and show promising luminescence properties.

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