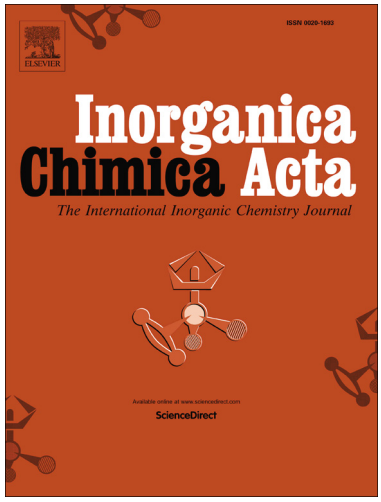

Research paper

Nuclearity manipulation in Schiff-base *fac*-tricarbonyl complexes of Mn(I) and Re(I)

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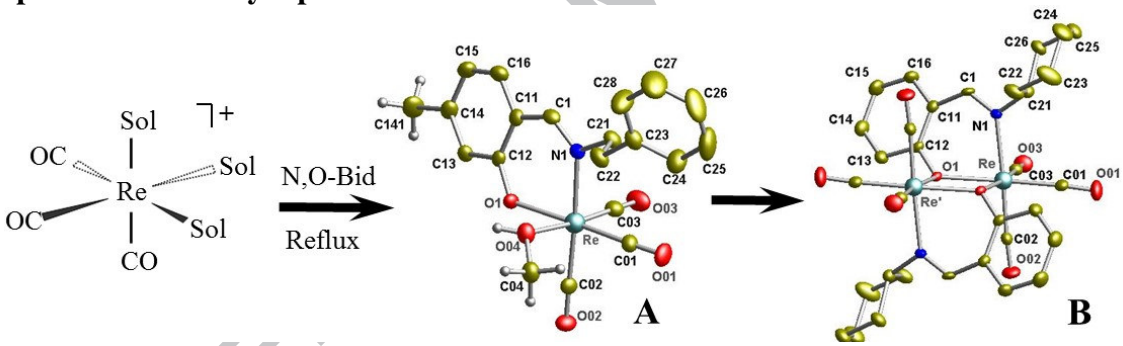
Nuclearity manipulation in Schiff-base *fac*-tricarbonyl complexes of Mn(I) and Re(I)

Pennie P. Mokolokolo,[a] Angelo Frei,[b] Mampotso S. Tsosane,[a] Dumisani V. Kama, [a] Marietjie Schutte-Smith,[a] Alice Brink,[a] Hendrik G. Visser, [a] Giuseppe Meola,[b] Roger Alberto[b,]* and Andreas Roodt[a,]*

[a]Department of Chemistry, University of the Free State, PO Box 339, Bloemfontein, 9300;
[b]Department of Chemistry, University of Zürich, Winterthurerstrasse, 8057-Zürich, Switzerland.

Graphic Abstract - Synopsis:



A range of bidentate Schiff-base ligands were synthesized and coordinated to the *fac*-$\{M^{I}(CO)_3\}^+$ core (M=Mn, Re), which illustrated that while for Mn(I) only dinuclear complexes were obtained, the nuclearity for the rhenium complexes may be manipulated, *i.e.*, either mono- or dinuclear complexes may be synthesized using virtually the same ligands and synthetic procedures.