

Accepted Manuscript

Research paper

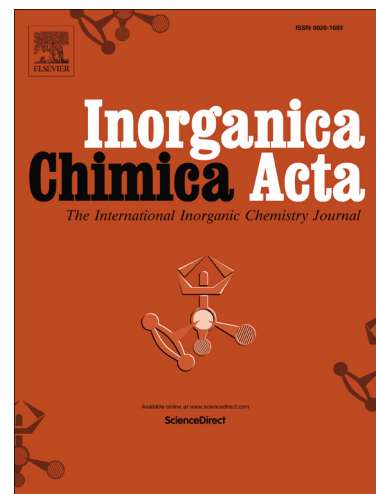
Nuclearity manipulation in Schiff-base *fac*-tricarbonyl complexes of Mn(I) and Re(I)

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PII: S0020-1693(17)31198-2
DOI: <https://doi.org/10.1016/j.ica.2017.10.036>
Reference: ICA 17963

To appear in: *Inorganica Chimica Acta*

Received Date: 30 July 2017
Revised Date: 10 September 2017
Accepted Date: 28 October 2017



Please cite this article as: P.P. Mokolokolo, A. Frei, M.S. Tsosane, D.V. Kama, M. Schutte-Smith, A. Brink, H.G. Visser, G. Meola, R. Alberto, A. Roodt, Nuclearity manipulation in Schiff-base *fac*-tricarbonyl complexes of Mn(I) and Re(I), *Inorganica Chimica Acta* (2017), doi: <https://doi.org/10.1016/j.ica.2017.10.036>

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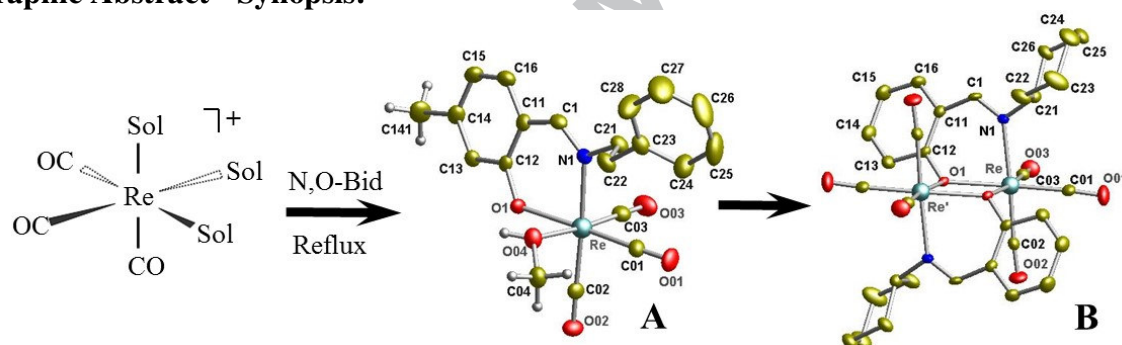
Nuclearity manipulation in Schiff-base *fac*-tricarbonyl complexes of Mn(I) and Re(I)

Pennie P. Mokoloko,^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,*}

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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.

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