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Nickel N-heterocyclic carbene complexes in homogeneous catalysis

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List of publications

‘The autoxidation activity of new mixed-ligand manganese and iron complexes with tripodal ligands’

R. van Gorkum, J. Berding, D. M. Tooke, A. L. Spek, J. Reedijk, E. Bouwman, *J. Catal.* **2007**, 252, 110

‘The synthesis, structures and characterisation of new mixed-ligand manganese and iron complexes with tripodal, tetradentate ligands’

R. van Gorkum, J. Berding, A. M. Mills, H. Kooijman, D. M. Tooke, A. L. Spek, I. Mutikainen, U. Turpeinen, J. Reedijk, E. Bouwman, *Eur. J. Inorg. Chem.* **2008**, 1487

‘Synthesis of novel chelating benzimidazole-based carbenes and their nickel(II) complexes; activity in the Kumada coupling reaction’

J. Berding, M. Lutz, A. L. Spek, E. Bouwman, *Organometallics* **2009**, 28, 1845

‘Another silver complex of 1,3-dibenzylimidazol-2-ylidene: solution and solid state structures’

J. Berding, H. Kooijman, A. L. Spek, E. Bouwman, *J. Organomet. Chem.* **2009**, 694, 2217

‘N-donor functionalized N-heterocyclic carbene nickel(II) complexes in the Kumada coupling’

J. Berding, T. F. van Dijkman, M. Lutz, A. L. Spek, E. Bouwman, *Dalton Trans.* **2009**, 6948

‘NiX₂(NHC)₂ complexes in the hydrosilylation of internal alkynes’

J. Berding, J. A. van Paridon, V. H. S. van Rixel, E. Bouwman, *Eur. J. Inorg. Chem.* **2009**, submitted

‘Theoretical study on the nickel (bisNHC) complex catalyzed Kumada coupling’

J. Berding, F. Buda, A. W. Ehlers, E. Bouwman, in preparation

‘Nickel N-heterocyclic carbene complexes in the vinyl polymerization of norbornene’

J. Berding, E. Bouwman, in preparation