

SHORT PUBLICATIONS LIST

85 publications in peer-reviewed journals including **11** in *Journal of the American Chemical Society*, **25** in *Organometallics*, **11** in *Inorganic Chemistry*, **5** in *Journal of the Chemical Society, Chemical Communication*, **1** in *Angewandte Chemie, 2* in *Chemistry, A European Journal*, **5** in *Eur. J. Inorg. Chem.*, and **25** in various journals.

LIST OF 10 SIGNIFICANT PUBLICATIONS OVER THE PAST 10 YEARS

"Generation of alpha-Phosphinocarbene Complexes and Their Evolution: New Light on Relevant Isomerization Pathways"

Valyaev, D. A.; Lugan, N.; Lavigne, G.; Ustynyuk, N. A *Organometallics* **2008**, *27*, 5180-5183

"Directed Formation of Allene Complexes upon Reaction of Non-heteroatom-Substituted Manganese Alkynyl Carbene Complexes with Nucleophiles"

Sentets, S.; Serres, R.; Ortin, Y.; Lugan, N.; Lavigne, G. *Organometallics* **2008**, *27*, 2078-2091.

"New Insight into the Reactivity of Pyridine-Functionalized Phosphine Complexes of Ruthenium(II) with Respect to Olefin Metathesis and Transfer Hydrogenation"

Mothes, E.; Sentets, S.; Luquin, M. A.; Mathieu, R.; Lugan, N.; Lavigne, G. *Organometallics* **2008**, *27*, 1193-1206.

"Six-coordinate Alkynyldiphenylphosphine Ruthenium(II) Complexes: Synthesis, Structure and Catalytic Activity as ROMP Initiators"

Bernechea, M.; Lugan, N.; Gil, B.; Lalinde, E.; Lavigne, G. *Organometallics* **2006**, *25*, 684-692.

"A Favorable Case Where an Experimental Electron Density Analysis Offers a Lead for the Understanding of a Specific Dynamic Process observed in Solution"

Lugan, N.; Ortin, Y.; Pillet, S.; Souhassou, M.; Lecomte, C.; Costuas, K.; Saillard, J.-Y. *Inorg. Chem.* **2005**, *44*, 9607-9609.

"Subtle reactivity patterns of non-heteroatom-substituted manganese alkynyl carbene complexes in the presence of phosphorus probes"

Ortin, Y.; Lugan, N.; Mathieu, R. *Dalton Trans.* **2005**, 1620-1636.

"Electrocatalytic dimerisation of non-heteroatom-substituted manganese alkynyl carbene complexes"

Ortin, Y.; Sournia-Saquet, A.; Lugan, N.; Mathieu, R. *J. C. S., Chem. Commun.* **2003**, 1060-1061.

"Dynamic equilibration of eta¹-carbene and eta²-alkyne moieties within an alkynylcarbene dimanganese complex."

Ortin, Y.; Coppel, Y.; Lugan, N.; Mathieu, R.; McGlinchey, M. J. *J. C. S., Chem. Commun.* **2001**, 1690-1691.

"New insight into the dynamic behaviour of manganese ketene complexes: evidence for the scrambling of a carbene moiety over carbonyl ligands."

Ortin, Y.; Coppel, Y.; Lugan, N.; Mathieu, R.; McGlinchey, M. J. *J. C. S., Chem. Commun.* **2001**, 2636-2637.

"Vicinal di-functionalization of alpha,beta-unsaturated ketones via manganese carbene intermediates: synthesis of gamma-acyl-delta-lactones by cascade Michael addition/aldol/transesterification reactions"

Mongin, C.; Gruet, K.; Lugan, N.; Mathieu, R. *Tet. Let.* **2000**, *41*, 7341-7345.