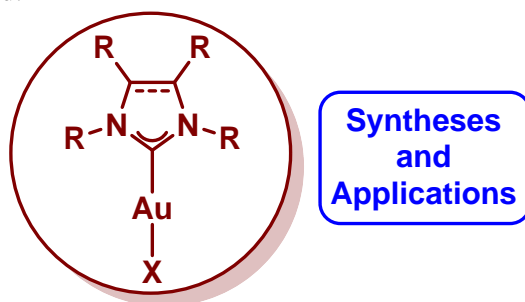


Gold-NHC Complexes in Catalysis

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In recent years, our main interest has been the design and development of new Au-NHC (NHC = *N*-heterocyclic carbene) complexes as well as their applications in catalysis. These complexes have been employed in a wide range of catalytic reactions and were shown to be highly efficient in several transformations, mainly involving C-F, C-C and C-O bond formation processes. These novel gold complexes readily allow the activation of O-H, S-H, Si-X, H-X and C-H bonds. These systems have also been investigated mechanistically to allow a better design of Au-NHC catalysts, further improving upon previously-established procedures. An overview of these developments will therefore be discussed.



Key References:

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