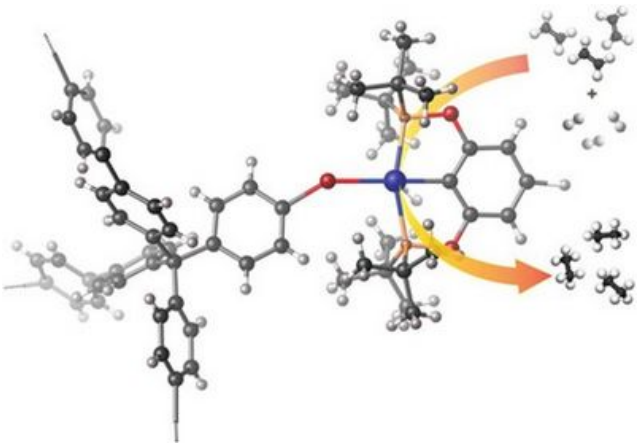
# Gas Phase Catalysis at Room Temperature

Start Time: Tuesday, October 27, 2020

End Time:



Immobilization of an Iridium Pincer Complex in a Microporous Polymer for Application in Room-Temperature Gas Phase Catalysis

*M. König, M. Rigo, N. Chaoui, T. Tran Ngoc, J. D. Epping, J. Schmidt, P. Pachfule, M.-Y. Ye, M. Trunk, J. F. Teichert, M. Drieß, A.Thomas Angew. Chem. Int. Ed.* 2020, *59*, *19830–19834*

The groups of Johannes Teichert, Matthias Drieß and Arne Thomas have achieved the immobilization of a metal-organic pincer-type complex within a microporous polymer network, using the concepts of surface organometallic chemistry. The resulting solid catalyst exhibits isolated active metal sites in a highly porous, chemically robust and inert environment and thus a former molecular catalyst is now viable for gas phase catalytic reactions, here the hydrogenation of alkenes.

For more information, click here.