

講演会

◆講師◆ University of Lethbridge (Canada)
Professor Paul G. Hayes



◆日時◆ 令和3年 8月2日 (月)
15:30 ~ 17:00

◆演題◆ Synthesis, Characterization and Reaction
Chemistry of Rhodium NNN-Pincer
Complexes with Primary Boranes and Silanes

◆場所◆ ハイブリッド形式
・ 筑波大学自然系学系 B 棟 B701
・ Zoomによるオンライン講演会
(事前に御連絡いただければzoom会議室情報をお伝えします。)

<short abstract>

A series of rhodium complexes stabilized by monoanionic NNN-pincer ligands have been prepared. Preliminary work has revealed that the energetic disparity between a “hard” nitrogen-donor ligand set and a “soft” Rh(I) metal centre leads to hemilability of one of the phosphinimine donors of the pincer ligand. This strongly electron donating group can then act in a cooperative fashion with the metal centre to activate various small molecules, including H₂, CO, silanes and boranes. The synthesis, characterization and reaction chemistry of these families of rhodium complexes will be discussed in detail.

*この講演会は、「有機化学特論I (FE14131)」(化学類)の一部になります。

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