

学位論文要約

Development of multi-centered reactivity among metal and main-group

Lewis acids and bases

(金属および典型元素 Lewis ペアを用いた多活性中心反応の究明)

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Content of the thesis

Acknowledgements

Chapter 1 Introduction

Chapter 2 Catalytic Dehydrogenation of ammoniaborane and hydrogen activation by metal base /Lewis acid [Pt(0)(PtBu₃)₂/B(C₆F₅)₃] Lewis pair

Chapter 3 Development of bisborane phosphine as ambiphilic ligand to metal complexes and its metal free reactivity as a frustrated Lewis pair

Chapter 4 Complexation of the bisborane phosphine ligand to late transition metals and their preliminary reactivity studies

Chapter 5 Experimental section

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