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Asymmetric nucleophilic additions to acceptors and their analogues catalyzed by chiral copper and manganese complexes

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Asymmetric nucleophilic additions to acceptors and their analogues catalyzed by chiral copper and manganese complexes

Luo Ge

The work described in this thesis was carried out at Stratingh Institute for Chemistry, University of Groningen (The Netherlands)

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PhD thesis

to obtain the degree of PhD at the
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on the authority of the
Rector Magnificus Prof. C. Wijmenga
and in accordance with
the decision by the College of Deans.

This thesis will be defended in public on

Friday 17 December 2021 at 9.00 hours

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Dedicated to my grandmother

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