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Characterisation and reactivity

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Open shell nitrene– and carbene-complexes of cobalt: characterisation and reactivity

Monalisha Goswami
Open-shell nitrene- and carbene-complexes of cobalt: characterisation and reactivity

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. ir. K. I. J. Maex
ten overstaan van een door het College voor Promoties
ingestelde commissie,
in het openbaar te verdedigen in de Aula der Universiteit
op vrijdag 10 november 2017, te 11:00 uur

door

Monalisha Goswami

Geboren te Tirap, India
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Nothing in life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less.

Marie Skłodowska-Curie

You cannot hope to build a better world without improving the individuals. To that end, each of us must work for his own improvement and, at the same time, share a general responsibility for all humanity, our particular duty being to aid those to whom we think we can be most useful.

Marie Skłodowska-Curie
The cover, designed by the author is her impression (acrylic on paper) of the colourful molecules, called porphyrins; a macrocycle that has been profusely used in this thesis as a ligand. Their presence can give colours to the wings of certain butterflies and their lack is what strips the green to give way to the autumn colours, let’s say, in the Norwegian woods.
~ For my parents Nivedita and Ashok and my sister Manisha ~
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**Acknowledgements**