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Confirmation of Candidature Report submitted to
the Nanyang Technological University
in partial fulfilment of the requirements for the degree of
Doctor of Philosophy

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Chapter 5 is published as H. V Doan, B. Yao, Y. Fang, A. Sartbaeva, U. Hintermair, V. P Ting, Controlled Formation of Hierarchical Metal-Organic Frameworks using CO₂ Expanded Solvent Systems. In press, ACS Sustainable Chemistry & Engineering (2017). DOI: 10.1021/acssuschemeng.7b01429.

The contributions of the co-authors are as follows:

- A/Prof Schmid provided the initial project direction and edited the manuscript drafts.
- I prepared the manuscript drafts. The manuscript was revised by Dr Hester and Dr. Blanchard.
- I co-designed the study with A/Prof Siegbert Schmid and performed all the laboratory work at the School of Materials Science and Engineering and the Singapore Synchrotron Light Source. I also analyzed the data.
- All microscopy, including sample preparation, was conducted by me in the Facility for Analysis, Characterization, Testing and Simulation.

- Dr James Hester assisted in the collection of the neutron powder diffraction data.

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Abstract

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Chapter 1

Introduction

1.1 Introduction

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Figure 1.1: Your caption here

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