

# Doctoral Thesis Defense

Development of bottlebrush polymer reactors  
enabling precise control of polymerizations

(重合の精密制御を可能にするボトルブラシ高分子リアクターの開発)



郭 香源

**Xiangyuan Guo**

23 July 16:30–18:30 at room An403  
in Institute of Industrial Science Bldg. A