Electronic Supplementary Information for Dalton Transactions

Electronic Supplementary Information

Dimerization of mono-ruthenium substituted α-Keggin-type tungstosilicate [α-$SiW_{11}O_{39}Ru^{III}(H_2O)]^{5-}$ to μ-oxo-bridged dimer in aqueous solution: synthesis, structure, and redox studies.

Masahiro Sadakane,[a]* Daisuke Tsukuma,[a] Michael H. Dickman,[b] Bassem S. Bassil,[b] Ulrich Kortz,[b] Mickaël Capron,[c] and Wataru Ueda[a]

a) Catalysis Research Center, Hokkaido University, N-21, W-10, 001-0021, Sapporo, Japan. Fax: Int.-81-11-706-9163; Tel: Int.-81-11-706-9166; E-mail: sadakane@cat.hokudai.jp

b) School of Engineering and Science, Jacobs University Bremen, P. O. Box 750561, 28725 Bremen, Germany.

c) Unité de Catalyse et de Chimie du Solide, UMR CNRS 8181, Université des Sciences et Technologies de Lille, Cité Scientifique Bâtiment C3, 59655 Villeneuve d'Ascq Cedex, France

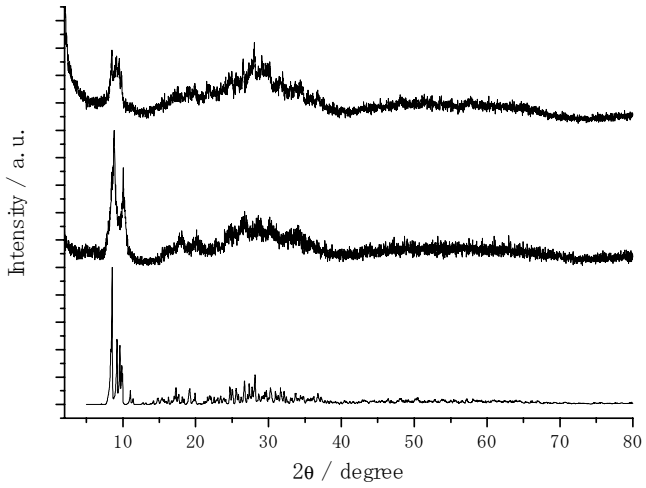

Figure S1. Experimental powder XRD pattern of $Rb_{11}[\{\alpha\text{-}SiW_{11}O_{39}Ru^{IV/III}\}_2O]$ (top), $Rb_{10}[\{\alpha\text{-}SiW_{11}O_{39}Ru^{IV}\}_2O]$ (middle), and simulated pattern using the single crystal structural data (bottom).