#### **Supplementary information**

# Hydrothermal synthesis of high surface area CuCrO<sub>2</sub> for H<sub>2</sub> production by methanol steam reforming

#### Rong-Jun Huang<sup>a,</sup>, Subramanian Sakthinathan<sup>a</sup>, Te-Wei Chiu<sup>a,\*</sup>, Chaofang Dong<sup>b\*</sup>

<sup>a</sup>Department of Materials and Mineral Resources Engineering, National Taipei University of Technology, 1, Section 3, Zhongxiao E. Rd., Taipei 106, Taiwan.

<sup>b</sup>Corrosion and Protection Center, Key Laboratory for Corrosion and Protection (MOE), University of Science and Technology, Beijing, China.

\*Corresponding author: <u>Email: tewei@ntut.edu.tw</u> (T.-W. Chiu)

*Email*: cfdong@ustb.edu.cn (Chaofang Dong)



S. Fig. 1. Hydrogen production gas chromatogram at measured at 250 °C



S. Fig. 2. Hydrogen production gas chromatogram at measured at 300°C



S. Fig. 3. Hydrogen production gas chromatogram at measured at 350°C



S. Fig. 4. Hydrogen production gas chromatogram at measured at 400°C