Supporting Information for
Catalytic behavior of supported Ru nanoparticles on the (101) and (001) facet of Anatase TiO₂

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Figure S1. Arrhenius plots of turnover frequencies of CH₄ obtained over (a) Ru/TiO₂(101), (b) Ru/TiO₂(001) between 100 and 150 °C.
Figure S2. Hirshfeld charge analysis for the Ru$_{13}$/TiO$_2$(101) and Ru$_{13}$/TiO$_2$(001) system. Electronic interaction between Ru$_{13}$ cluster and TiO$_2$ is localized in the Ru atoms directly contacting with support.