

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

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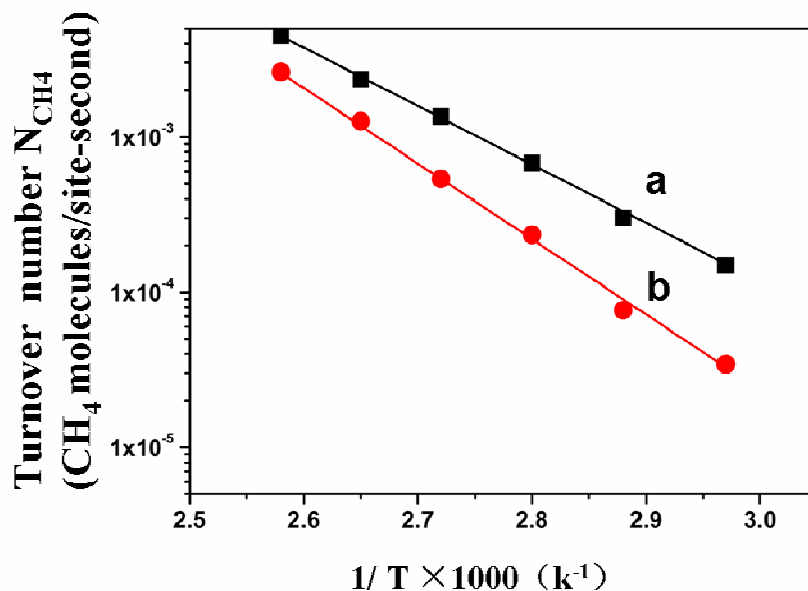


Figure S1. Arrhenius plots of turnover frequencies of CH₄ obtained over (a) Ru/TiO₂(101), (b) Ru/TiO₂(001) between 100 and 150 °C.

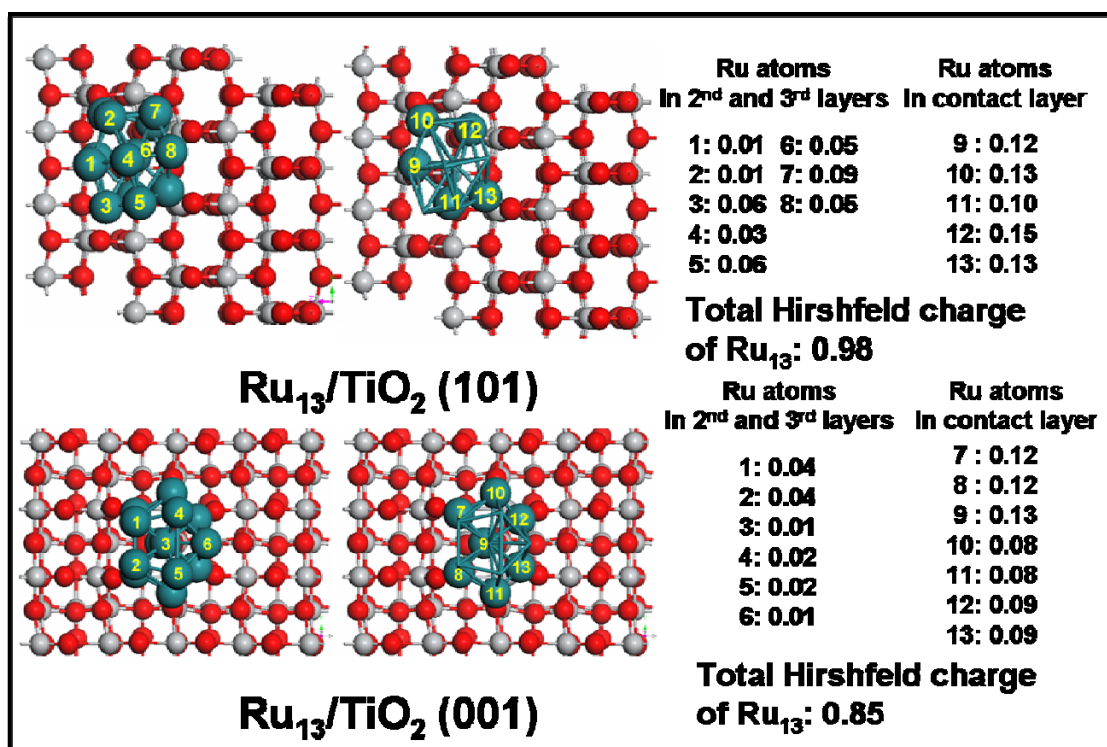


Figure S2. Hirshfeld charge analysis for the Ru₁₃/TiO₂(101) and Ru₁₃/TiO₂(001) system. Electronic interaction between Ru₁₃ cluster and TiO₂ is localized in the Ru atoms directly contacting with support.