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Authors: Xiaoli Zheng, Sibe Guo, Ling Guo

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Ethanol Synthesis Catalyzed by Single Ni Atom Supported on Mo<sub>6</sub>S<sub>8</sub> supportXiaoli Zheng<sup>a,b</sup>, Sibe Guo<sup>c</sup>, Ling Guo<sup>\* a,b</sup>

a. Key Laboratory of Magnetic Molecules & Magnetic Information Materials Ministry of Education, Shanxi Normal University, Linfen, China, 041004.

b. The School of Chemical and Material Science, Shanxi Normal University, No. 1, Gongyuan Street, Linfen, China, 041004.

c. Linfen first middle school in Shanxi Province, Linfen, China, 041000.

\* Corresponding author. Fax: +86-357-2398380

E-mail address: [jisuanhuaxue0@163.com](mailto:jisuanhuaxue0@163.com)

Graphical abstract

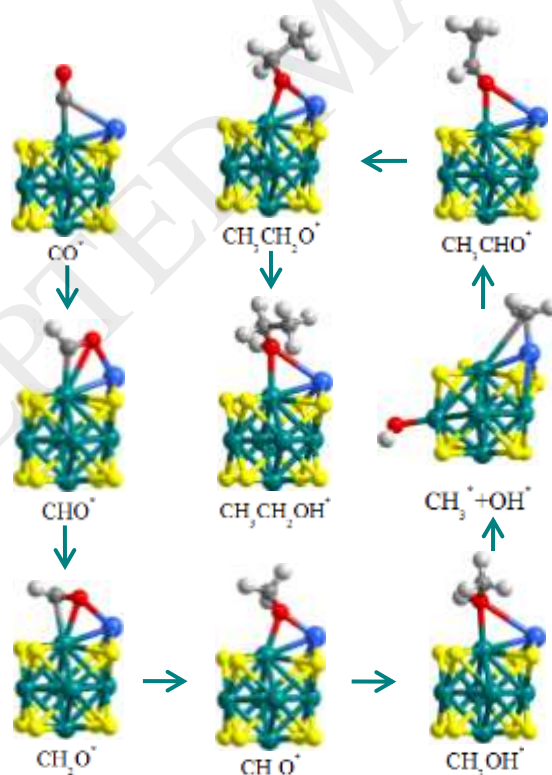


Illustration of the most favorable pathway of ethanol formation on Ni-SA/Mo<sub>6</sub>S<sub>8</sub> proceeding via CO\* → CHO\* → CH<sub>2</sub>O\* → CH<sub>3</sub>O\* → CH<sub>3</sub>OH\* → CH<sub>3</sub>\* → CH<sub>3</sub>CHO\* → CH<sub>3</sub>CH<sub>2</sub>O\* → CH<sub>3</sub>CH<sub>2</sub>OH\*.

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