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Title: Specific Zone within 8-Membered Ring Channel as Catalytic Center for Carbonylation of Dimethyl Ether and Methanol over FER Zeolite

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Specific Zone within 8-Membered Ring Channel as Catalytic Center for Carbonylation of Dimethyl Ether and Methanol over FER Zeolite

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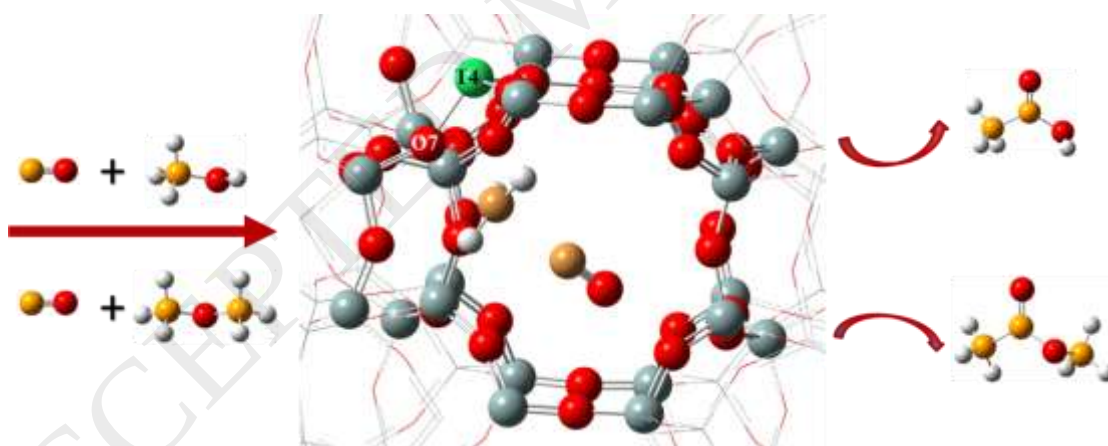
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Graphical abstract

Highlights

1. For the first time the mechanism of dimethyl ether and methanol carbonylation over FER zeolite was investigated using DFT method.

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