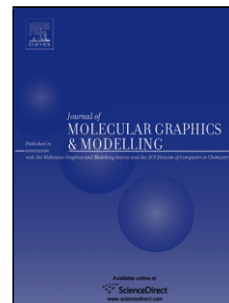


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Title: Mechanism and kinetic study of 3-fluoropropene with hydroxyl radical reaction

Author: Yunju Zhang Kai Chao Xiumei Pan Jingping Zhang
Zhongmin Su Rongshun Wang



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Graphic Abstract**Highlights:**

Potential energy surface for the title reaction has been investigated theoretically.

Multichannel RRKM theory is employed to calculate the rate constants. The predicted rate constants are in agreement with the available experimental values.

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