

Supporting information

Thermal decomposition and oxidation of CH₃OH

Pei - Fang Lee, Hiroyuki Matsui*, Ding - Wei Xu, Niann- Shiah Wang*

Department of Applied Chemistry, National Chiao Tung University,
1001 Ta Hsueh Road, Hsinchu 30010, Taiwan

* $k = A T^n \exp(-\Theta/T)$, in the units of molecule, cm³, s, K.

** Parameters in the high pressure limit are shown; the rate is evaluated in the fall-off region by using the Troe's formula with the parameters given in Ref. 16.

*** The modified Arrhenius parameters are estimated by the non-linear least squares fit to the calculation given in Ref. 26 for T = 1000 – 3000 K.