Kinetics of the Methanol Reaction with OH at Interstell Temperatures

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Citation Report

#	Article	IF	Citations
1	Reply to the â€˜Comment on â€œMethanol dimer formation drastically enhances hydrogen abstraction from methanol by OH at low temperatureâ€â€™ by D. Heard, R. Shannon, J. Gomez Martin, R. Caravan, M. Blitz, J. Plane, M. AntiÃ±olo, M. Agundez, E. Jimenez, B. Ballesteros, A. Canosa, G. El Dib, J. Albaladejo and J. Cernicharo, Phys. Chem. Chem. Phys., 2018, 20, DOI: 10.1039/C7CP04561A. Physical Chemistry Chemical Physics, 2018, 20, 8355-8357.	2.8	5
2	Ab Initio, Transition State Theory, and Kinetic Modeling Study of the HO₂-Assisted Ketoâ€“Enol Tautomerism Propen-2-ol + HO₂ â‡” Acetone + HO₂ under Combustion, Atmospheric, and Interstellar Conditions. Journal of Physical Chemistry A, 2018, 122, 9792-9805.	2.5	12
3	Low temperature reaction dynamics for CH₃OH + OH collisions on a new full dimensional potential energy surface. Physical Chemistry Chemical Physics, 2018, 20, 25951-25958.	2.8	32
4	Pressure-dependent kinetics of methyl formate reactions with OH at combustion, atmospheric and interstellar temperatures. Physical Chemistry Chemical Physics, 2018, 20, 26190-26199.	2.8	40
5	Rapid Acceleration of Hydrogen Atom Abstraction Reactions of OH at Very Low Temperatures through Weakly Bound Complexes and Tunneling. Accounts of Chemical Research, 2018, 51, 2620-2627.	15.6	36
6	A shock tube kinetic study on the branching ratio of methanol +ÂOH reaction. Proceedings of the Combustion Institute, 2019, 37, 153-162.	3.9	14
7	Chemical Kinetics Approves the Occurrence of C (³P_j) Reaction with H₂O. Journal of Physical Chemistry A, 2019, 123, 5877-5892.	2.5	1
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13	Chemical kinetics of H-abstractions from dimethyl amine by H, CH₃, OH, and HO₂ radicals with multi-structural torsional anharmonicity. Physical Chemistry Chemical Physics, 2019, 21, 12685-12696.	2.8	21
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15	Gas-phase reactivity of CH₃OH toward OH at interstellar temperatures (11.7â€“177.5 K): experimental and theoretical study. Physical Chemistry Chemical Physics, 2019, 21, 6942-6957.	2.8	42
16	Quantum Roaming in the Complex-Forming Mechanism of the Reactions of OH with Formaldehyde and Methanol at Low Temperature and Zero Pressure: A Ring Polymer Molecular Dynamics Approach. Journal of Physical Chemistry Letters, 2019, 10, 1900-1907.	4.6	26
17	A master equation simulation for the â€¢OH + CH3OH reaction. Journal of Chemical Physics, 2019, 150, 084105.	3.0	42
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