

2015 Reaction Dynamics Symposium - Commemorating IAMS 20th Anniversary

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1	Ab initio study on the Mechanism and kinetics for HC(O)OCH <sub>3</sub> decomposition	T.N. Nguyen, and M. C. Lin
2	On the Reaction of CH <sub>3</sub> O <sub>2</sub> Radicals with OH Radicals	Christa Fittschen, Emmanuel Assaf, Michael Ward, and Coralie Schoemaeker
3	Correlative Quenching and Absorption Cross Sections: Resonance Energy Transfer Process for NO(A <sup>2</sup> Σ <sup>+</sup> )	Jan Bai Nee
4	Imaging the Reaction Dynamics of F + CH <sub>3</sub> D → DF + CH <sub>3</sub> (v <sub>2</sub> =0,2)	Surjendu Bhattacharyya, Sohedul Islam Mondal, and Kopin Liu
5	Dynamics of the Reaction of C <sub>3</sub> Radicals with C <sub>2</sub> H <sub>2</sub> : A New Source for the Formation of C <sub>3</sub> H	Yi-Lun Sun, Wen-Jian Huang, and Shih-Huang Lee
6	Direct Kinetic Measurement of Small Criegee Intermediates with SO <sub>2</sub> and Water Vapour	Wen Chao, Hao-Li Huang, Chun-Hung Chang, Mica C. Smith, and Jim Jr-Min Lin
7	Temperature Dependence of the Dimethyl-Substituted Criegee Intermediate (CH <sub>3</sub> ) <sub>2</sub> COO Thermal Decomposition Measured with Transient UV Absorption Spectroscopy	Mica C. Smith, Wen Chao, Kaito Takahashi, Kristie A. Boering, and Jim Jr-Min Lin
8	Substituent Effect to Ward the Temperature Dependence of R <sub>1</sub> R <sub>2</sub> COO + Water Reaction	Liang-Chun Lin, Hung-Tzu Chang, Chien-Hsun Chang, Wen Chao, Mica C. Smith, Chun-Hung Chang, Jim Jr-Min Lin, and Kaito Takahashi
9	Proton vs. Halogen Transfers: An Assessment of the Chemically Reactive Temperament of the Divalent Singlet Carbon in Heterocyclic Persistent Carbenes	Arpita Varadwaj, Pradeep R. Varadwaj, and Bih-Yaw Jin
10	Theoretical Study on the Noble-Gas Exchange Reactions of Ng + HNBNg <sup>f</sup> → Ng' + HNBNg <sup>+</sup> (Ng, Ng' = He, Ne, and Ar)	Cheng-Cheng Tsai, Po-Chun Liu, and Wei-Ping Hu
11	Propargyl Route to Aromatic Molecules in Astrochemical Ices	Pavithraa Sundararajan, Jen-Iu Lo, Bing-Ming Cheng, Nigel Mason, and Bhalamurugan Sivaraman
12	Motion of H <sup>+</sup> in H-bond Network: To Eigen or To Zundel	Jer-Lai Kuo
13	Strong Vibrational Intermode Coupling in Zundel Type Ionic Hydrogen Bond	Jake A. Tan, and Jer-Lai Kuo
14	Infrared Absorption Spectrum of the Criegee Intermediate (CH <sub>3</sub> ) <sub>2</sub> COO	Yi-Ying Wang, and Yuan-Pern Lee
15	Simultaneous INFRARED Detection of the ICH <sub>2</sub> OO Radical and CRIEGEE INTERMEDIATE CH <sub>2</sub> OO: The Pressure Dependence of the Yield of CH <sub>2</sub> OO in the Reaction CH <sub>2</sub> I + O <sub>2</sub>	Yu-Hsuan Huang, Li-Wei Chen, and Yuan-Pern Lee
16	Infrared Detection of Reaction Intermediates and Products in the Reaction CH <sub>2</sub> OO + SO <sub>2</sub> with A Step-Scan Fourier-Transform Spectrometer	Manas Ranjan Dash, and Yuan-Pern Lee
17	Infrared Spectra of Ovalene (C <sub>32</sub> H <sub>14</sub> ) and Its Protonated/Hydrogenated Species in A Para-H <sub>2</sub> Matrix— Implications to the Unidentified Infrared Emission in Interstellar Media	Masashi Tsuge, and Yuan-Pern Lee
18	Laser-Induced Fluorescence of 1-C <sub>10</sub> H <sub>9</sub> Isolated in Solid p-H <sub>2</sub>	Shang-Chen Huang, and Yuan-Pern Lee

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20	Electronic bands of ScC, a new carbide molecule	Chiao-Wei Chen, Anthony J. Merer, and Yen-Chu Hsu
21	Mass-Analyzed Threshold Ionization Spectroscopy of (η <sup>6</sup> -benzene)(η <sup>6</sup> -biphenyl)chromium	Sheng-Yuan Tzeng, Pei-Ying Wu, Yu-Che Sun, Sergey Yulievich Ketkov, and Wen-Bih Tzeng
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23	Decomposition Dynamics of Protonated and Sodiated Carbohydrates. Theoretical and Experimental Investigation of Low Detection Sensitivity of Carbohydrates in ESI and MALDI	Jien-Lian Chen, Chuping Lee, I-Chung Lu, Yuan-Tseh Lee, Wei-Ping Hu, and Chi-Kung Ni
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25	Correlation Between MALDI Sample's High Ion Yield Spot and the Spot's Corresponding Absorption.	Sheng Lee, Yuan-Tseh Lee, Chi-kun Ni
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28	NEXAFS Spectra and Enhanced Specific Paths for Dissociation of Gly-Phe and Phe-Gly	Huei-Ru Lin, and Chen-Lin Liu
29	Formation of Excited Atomic Halogens Following the Photolysis of Halomethanes at Near-Ultraviolet Wavelengths	Zheng-Jie Lin, Cheng-Cian Wu, and Bor-Chen Chang
30	Thermally Induced Dissolution of Salts in Matrix-Assisted Laser Desorption/Ionization	Chuping Lee, I-Chung Lu, Yuan Tseh Lee, and Chi-Kung Ni
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