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Ph.D. Student in Mechanical Engineering, admitted Autumn 2021

Publications

PUBLICATIONS

- **IR-HyChem: Towards modeling the high-T combustion behavior of aviation fuels using infrared spectra** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Biswas, P., Boddapati, V., Klingberg, A. R., Panda, A., Wang, H., Hanson, R. K.
2025; 41
- **Understanding the impact of cycloalkane additives on the combustion of HEFA jet fuel** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Panda, A., Klingberg, A., Hanson, R. K.
2025; 41
- **Measurement of hydrogen and nitrogen via collision-induced infrared absorption** *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*
Wei, C., Klingberg, A., Strand, C. L., Hanson, R. K.
2024; 93: 364-373
- **New insights into the effect of molecular structure on stable intermediate formation during the pyrolysis of normal and branched alkanes - II: Impact of carbon number and degree of branching** *FUEL*
Boddapati, V., Biswas, P., Panda, A., Klingberg, A. R., Hanson, R. K.
2024; 373
- **New insights into the effect of molecular structure on stable intermediate formation during the pyrolysis of normal and branched alkanes - I: Multi-species time history measurements** *FUEL*
Boddapati, V., Biswas, P., Panda, A., Klingberg, A. R., Hanson, R. K.
2024; 373
- **Understanding the impact of molecular structure on the formation of stable intermediates during the pyrolysis of monoalkylated cyclohexanes in a shock tube** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Boddapati, V., Biswas, P., Panda, A., Klingberg, A. R., Hanson, R. K.
2024; 40 (1-4)