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

Publications

PUBLICATIONS

- **Multiwavelength Speciation in Pyrolysis of n-Pentane and Experimental Determination of the Rate Coefficient of $nC_5H_{12} = nC_3H_7 + C_2H_5$ in a Shock Tube.** *The journal of physical chemistry. A*
Biswas, P., Choudhary, R., Hanson, R. K.
2023
- **A mid-IR laser absorption diagnostic for measuring formaldehyde at high pressures and its demonstration in shock tubes** *COMBUSTION AND FLAME*
Biswas, P., Choudhary, R., Panda, A., Davidson, D. F., Hanson, R. K.
2022; 245
- **Thermometry and speciation for high-temperature and -pressure methane pyrolysis using shock tubes and dual-comb spectroscopy** *MEASUREMENT SCIENCE AND TECHNOLOGY*
Pinkowski, N. H., Biswas, P., Shao, J., Strand, C. L., Hanson, R. K.
2021; 32 (12)