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Bio

STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Four-dimensional laser absorption cinematography of species and temperature dynamics at 2 kHz in reacting flows** *OPTICS LETTERS*
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2024; 49 (1): 141-144
- **Fiber-coupled optical probe for laser absorption diagnostics in shock tube experiments with high concentrations of non-monatomic species** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Wei, C., Knubben, J. C., Strand, C. L., Hanson, R. K.
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- **Transient analysis of solar pyrolysis and hydrogen yield via interband cascade laser absorption spectroscopy of methane, acetylene, ethylene, and ethane** *APPLICATIONS IN ENERGY AND COMBUSTION SCIENCE*
Jeevaretanam, B., Abuseada, M., Wei, C., Minesi, N. Q., Fisher, T. S., Spearrin, R.
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- **Concentrated solar-thermal methane pyrolysis in a porous substrate: Yield analysis via infrared laser absorption** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
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- **Quantitative volumetric laser absorption imaging of methane and temperature in flames utilizing line-mixing effects** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
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- **Turbulence-induced bias in time-averaged laser absorption tomography of correlated concentration and temperature fields with a first-order correction** *COMBUSTION AND FLAME*
Wei, C., Perakis, N., Pineda, D., Egolfopoulos, F. N., Ihme, M., Spearrin, R.
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- **Carbon oxidation in turbulent premixed jet flames: A comparative experimental and numerical study of ethylene, n-heptane, and toluene** *COMBUSTION AND FLAME*
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