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Publications

PUBLICATIONS

- **The role of compressibility and vibrational excitation in hypersonic shock-turbulence interactions** *JOURNAL OF FLUID MECHANICS*
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- **Reaction-induced departures from continuum Navier-Stokes turbulence.** *Proceedings of the National Academy of Sciences of the United States of America*
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- **Turbulence-chemistry interaction in a non-equilibrium hypersonic boundary layer** *JOURNAL OF FLUID MECHANICS*
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- **Review of shock-turbulence interaction with a focus on hypersonic flow** *PHYSICS OF FLUIDS*
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- **Stagnation enthalpy effects on hypersonic turbulent compression corner flow at moderate Reynolds numbers** *PHYSICAL REVIEW FLUIDS*
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- **Angular momentum and moment of total enthalpy integral equations for high-speed boundary layers** *PHYSICAL REVIEW FLUIDS*
  Kianfar, A., Di Renzo, M., Williams, C., Elnahhas, A., Johnson, P. L.
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