

## **JOURNAL PUBLICATIONS AND CONFERENCE PROCEEDINGS:**

1. "A Shock Wave Model of Unstable Rocket Combustors" (with L. Crocco), AIAA Journal 3, pp. 1285-1296, 1964.
2. "A New Concept in Rocket Engine Baffles" (with W.C. Strahle), AIAA Journal 3, pp. 954-956, 1965.
3. "Nonlinear Aspects of Combustion Instability in Liquid Propellant Rocket Motors" (with D.T. Harrje and L. Crocco), Proceedings of 2nd ICRPG Combustion Conference, (Los Angeles, CA, Nov. 1965), CPIA Publication No. 105, May 1966.
4. "Effect of the Transverse Velocity Component on the Non-Linear Behavior of Short Nozzles" (with L. Crocco), AIAA Journal 4, No. 8, August 1966.
5. "Longitudinal Shock Wave Combustion Instability in Liquid Propellant Rocket Engines" (with C.E. Mitchell and L. Crocco), Proceedings of 3rd ICRPG Combustion Conference, Cape Kennedy, FL, Oct., 1966), CPIA Publication No. 138, Vol. 1, 1966.
6. "Acoustic Liner Studies" (with L. Crocco and D.T. Harrje), Proceedings of 3rd ICRPG Combustion Conference, (Cape Kennedy, FL., Oct. 1966), CPIA Publication No. 138, Vol. 1, 1966.
7. "Flow Behavior with Acoustic Liners" (with D.T. Harrje and W.A. Stinger), Proceedings of 4th ICRPG Combustion Conference, (Stanford Research Institute, Palo Alto, Calif., Oct. 1967), CPIA Publication No. 162, Vol. 1, 1967.
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12. "Ignition of Stagnation Point Flow by a Hot Body" (with O.P. Sharma), Combustion Science and Technology 1, No. 2, pp. 95-104, Sept. 1969.

13. "A Theory of Axial-Mode Shock Wave Oscillations in a Solid Rocket Combustor" Proceedings of the Twelfth (International) Symposium on Combustion, (University of Poitiers, France, July 14-20, 1968), Combustion Institute, Pittsburgh, PA, pp. 129-137, 1969.
14. "Longitudinal Mode Oscillations in an End-Burning Solid Rocket Motor" (with J.S. T'ien), Proceedings of the 6th ICRPG Solid Propellant Combustion Conference, (Jet Propulsion Laboratory, California Institute of Technology, Oct. 1969) CPIA Publication No. 192, Vol. 1, pp. 467-475. Dec. 1969.
15. "Near-Resonant, Off-Resonant, and Quasi-Steady Theories of Acoustic Liner Operation" (with T.S. Tonon), Proceedings of the 6th ICRPG Combustion Conference, (Illinois Institute of Technology, Chicago, IL, Sept. 9-11, 1969) CPIA Publication 192, Vol. 1, Dec. 1969.
16. "Axisymmetric Jet Diffusion Flame in External Oscillating Stream" (with A.P. Chervinsky, D.T. Harrje and A.K. Varma), Proceedings of the 6th ICRPG Combustion Conference, (Illinois Institute of Technology, Chicago, IL, Sept. 9-11, 1969), CPIA Publication No. 192, Vol. 1, Dec. 1969.
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20. "Unsteady Thermal Response of the Condensed-Phase Fuel Adjacent to a Reacting Gaseous Boundary Layer" (with J.S. T'ien), Proceedings of the Thirteenth (International) Combustion Symposium, (Salt Lake City, UT, August 1970), Combustion Institute, Pittsburgh, pp. 529-539, 1971.
21. "The Effect of High Frequency Periodic Disturbances on Axisymmetric Wake Diffusion Flames" (with A.P. Chervinsky), Combustion Science and Technology 2, pp. 351-64, Jan. 1971.
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37. "One-Dimensional Analysis of Combustion in a Spark-Ignition Engine" Combustion Science and Technology 7, No. 3, pp. 99-108, May 1973. Also appears in preliminary form in Proceedings of the 1971 Intersociety Energy Conversion Engineering Conference, Boston, MA, pp. 52-62, August 1971.
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56. "Comparisons Amongst Various Theories for Turbulent, Reacting Planar Mixing Layers" (with S.F. Parker), Progress in Astronautics and Aeronautics 76, pp. 211-245, 1981.
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