

BOOKS, MONOGRAPHS:

1. Behaviour of Supercritical Nozzle Under Three Dimensional Oscillatory Conditions, AGARDograph No. 117, 1967 (with L. Crocco).
2. Fluid Dynamics and Transport of Droplets and Sprays, Cambridge University Press, 1999. Paperback version, 2005.
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BOOKS EDITED:

1. Co-editor, International Colloquium on Dynamics of Explosions and Reactive Systems (ICDERS), Progress in Astronautics and Aeronautics, (A.L. Kuhl, J.-C. Leyer, A.A. Borisov and W.A. Sirignano, eds.) AIAA, 1991.

Dynamics of Deflagrations and Reactive Systems: Flames, v. 131.

Dynamics of Detonations and Reactive Systems: Heterogeneous Combustion, v. 132.

Dynamics of Detonations and Explosions: Detonations, v. 133.

Dynamics of Detonations and Explosions: Explosion Phenomena, v. 134.

2. Co-editor, Modern Research Topics in Aerospace Propulsion, Springer-Verlag, (G. Angelino, L. DeLuca and W.A. Sirignano, eds.) 1990.

3. Co-editor, International Colloquium on Dynamics of Explosions and Reactive Systems (ICDERS), Progress in Astronautics and Aeronautics, (A.L. Kuhl, J.-C. Leyer, A.A. Borisov and W.A. Sirignano, eds.) AIAA, 1993.

Dynamics of Gaseous Combustion v. 151.

Dynamics of Heterogeneous Combustion and Reacting Systems, v. 152.

Dynamic Aspects of Detonations, v. 153.

Dynamic Aspects of Explosion Phenomena, v. 154.

4. Series Editor, Combustion Science and Technology, An Introduction to Combustion, (authored by W.C. Strahle) Gordon and Breach Science Publishers, 1993.

5. Special Issue Editor, Combustion Science and Technology, Vol. 105, 4-6, Gordon and Breach Science Publishers, 1995.

6. Series Editor, Combustion Science and Technology, Dynamics of Exothermicity - In Honor of Antoni Kazimierz Oppenheim, (J.R. Bowen, ed.) Gordon and Breach Science Publishers, 1996.

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8. Series Editor, Combustion Science and Technology, Laser Diagnostics for Combustion Temperature and Species, Second Edition, (authored by Alan C. Eckbreth) Gordon and Breach Science Publishers, 1996.
9. Special Issue Editor, Combustion Science and Technology, Vol. 113-114, Gordon and Breach Science Publishers, 1996.
10. Co-editor, Advances in Combustion Science--In Honor of Ya.B. Zel'dovich, (W.A. Sirignano, A.G. Merzhanov and L. De Luca, eds.) Volume 173, AIAA Progress in Astronautics and Aeronautics, 1997.
11. Special Issue Editor, Combustion Science and Technology, Vol. 135, 1-6, Gordon and Breach Science Publishers, 1998.
12. Special Issue Co-Editor, Combustion Science and Technology, Vol. 158, 1-6, Gordon and Breach Science Publishers, 2000.
13. Special Issue Co-Editor, Combustion Science and Technology, Vol. 174, 5-6, Taylor and Francis, 2002.
14. Series Editor, Combustion Science and Technology Self-Propagating High-Temperature Synthesis of Materials, (A.A. Borisov, L. DeLuca, and A. Merzhanov, eds.), Taylor and Francis, 2002.
15. Special Issue Co-Editor, Combustion Science and Technology, Vol. 176, 10, Taylor and Francis, 2004.
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BOOK CHAPTERS AND ARTICLES:

1. Liquid Propellant Rocket Combustion Instability, Editor, D.T. Harrje and Associate Editor, F.H. Reardon, NASA SP194, October 1972 (U.S. Government Printing Office). Section 3.5.1 "Linear Wave Motion", Section 3.5.2.3 "Nonlinear Transverse Gas Displacement," Section 3.5.3.1 "Liquid and Solid Particle Drag," Section 3.5.3.2 "Acoustic Liners and Nonrigid Walls," Section 3.6 "Unsteady Flow in Exhaust Nozzles," Section 4.1 "Introduction to Analytical Models of High Frequency Combustion Instability," Section 8.1 "Introduction to Design Factors Affecting Damping," and Section 8.4.1 "General Considerations of Thrust Chamber Shape."
2. "Transient Heating and Liquid-Phase Mass Diffusion in Fuel Droplet Vaporization" (with C.K. Law), invited paper Proceedings of American Chemical Society Symposium on Evaporation-Combustion of Fuel Droplets, San Francisco, August 30 - September 3, 1976. Evaporation-Combustion of Fuels, Advances in Chemistry Series 166, 1978 ACS.

3. "Linear Model of Convective Heat Transfer in a Spray" Recent Advances in Aerospace Science, Plenum Press, New York, NY, pp. 213-236, 1985.
4. "Spray Combustion Simulation" in Numerical Simulation of Combustion Phenomena, (R. Glowinski, B. Larroutourou and R. Temam, eds.) Springer-Verlag, Heidelberg, 1985.
5. "Spray Combustion in Idealized Configurations: Parallel Droplet Streams" (with R.H. Rangel), in Numerical Approaches to Combustion Modeling, American Institute of Aeronautics and Astronautics Progress Series, (E.S. Oran and J.P. Boris, eds.) v. 135, pp. 585-613, 1991.
6. "Review of Theory of Mixing and Reaction Within A Vortical Structure" in Numerical Combustion, Lecture Notes in Physics, (A. Dervieux and B. Larroutourou, eds.), Springer-Verlag, 1989.
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8. "Unsteady Spherically-Symmetric Flame Propagation through Multicomponent Spray Clouds" (with G. Continillo), in Modern Research Topics in Aerospace Propulsion, (G. Angelino, L. De Luca and W.A. Sirignano, eds.), Springer-Verlag, 1991.
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13. "Nonlinear Two-Dimensional Symmetric Travelling Wave Distortion of a Thin Liquid Sheet" (with C. Mehring), in Dynamics of Exothermicity - In Honor of Antoni Kazimierz Oppenheim., Combustion Science and Technology book series (J. Ray Bowen, ed.), Gordon and Breach, 1996.
14. "Metal Slurry Droplet and Spray Combustion" (with R. Bhatia), Advances in Combustion Science--In Honor of Ya. B. Zel'dovich, AIAA Progress in Astronautics and Aeronautics (W.A. Sirignano, A.G. Merzhanov, L. DeLuca, eds.), Vol. 173, Chapter 7, pp. 117-130, 1997.

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17. "Miniature Liquid-Fuel Fuel Combustor" (with D. Dunn-Rankin, Y.-C. Chao, Y.-H. Li), in *Microscale Combustion and Power Generation*, Y. Ju, C. Cadou, K. Manuta, Editors, invited article, in press, 2014.