

Combustion Reference Texts

General Combustion Texts

- “An Introduction to Combustion,” 3rd Ed., S.R. Turns, McGraw-Hill, 2012
 - Provides a good introduction with fundamentals and applications.
- “Principles of Combustion,” 2nd Ed., K.K. Kuo, Wiley, 2005
 - A more rigorous treatment of combustion with more theory and fewer applications.
- “Combustion,” 4th Ed., I.R. Glassman, R.A. Yetter, Associated Press, 2008
 - A classic text covering combustion theory.
- “Combustion Theory,” 2nd Ed., F.A. Williams, Westview Press, 1994
 - A classic, rigorous, advanced text treating, as the name says, combustion theory. Not for beginners.
- “Combustion Physics,” C.K. Law, Cambridge University Press, 2006
 - A theoretical text covering many aspects of combustion.

Turbulent Combustion

- “An Introduction to Turbulent Reacting Flows,” R.S. Cant, E. Mastorakos, Imperial College Press, 2008.
 - A readable introductory text.
- “Computational Models for Turbulent Reacting Flows,” R.O. Fox, Cambridge University Press, 2003.
 - Covers a wide range of models from a chemical reaction engineering perspective. A more advanced text.
- “Theoretical and Numerical Combustion,” 2nd Ed., T. Poinso, D. Veynante, R.T. Edwards, Inc. 2005
 - Covers laminar and turbulent premixed and nonpremixed flames, along with numerical solution techniques.
- “Turbulent Combustion,” N. Peters, Cambridge University Press, 2000
 - A monograph covering premixed and nonpremixed flames, with emphasis on the flamelet model.

Coal Combustion

- “Coal Combustion and Gasification,” L.D. Smoot, P.J. Smith, Plenum, 1985.
- “Pulverized Coal Combustion and Gasification,” L.D. Smoot and D.T. Pratt, Plenum, 1979.
- “Fundamentals of Coal Combustion for Clean and Efficient Use,” L.D. Smoot (editor), Elsevier, 1993.
- “Fossil Fuel Combustion,” W. Bartok, A.F. Sarofim (editors), Wiley, 1991.