



- J. Cobine*                      **Gaseous Conductors**  
Extremely empirical treatment of topics but good presentation.  
(You can learn something from this book on the first reading.)
- L. Huxley*                      **Diffusion and Drift of Electrons in Gases**  
Advanced monograph on Boltzmann Equation and Transport  
Coefficients.
- U. Kortshagen*                **Electron Kinetics and Applications of Glow  
Discharges**  
Proceedings of NATO Workshop. Very good overview articles
- L. Loeb*                        **Basic Processes of Gaseous Electronics**  
Classic and comprehensive text.
- D. Manos and D. Flamm*      **Plasma Etching: An Introduction**  
Compilation on methods in plasma processing.
- T. Mark*                        **Electron Impact Ionization**  
Thorough treatment of electron impact collisions producing ionization
- E. McDaniel*                 **Ion Molecule Reactions**  
Advanced monograph on reactions between ions and neutral  
atoms/molecules. Good tables of reaction rate coefficients.
- L. C. Pitchford, et al.*        **Swarm Studies and Inelastic Electron-  
Molecule Collisions**  
Compilation of papers on fundamental studies in nonequilibrium  
electron transport and obtaining cross sections from swarm data.
- Y. Razier*                      **Gas Discharge Physics**  
If you are going to buy a second text, get this one. It has all the  
material that's important, but is difficult to read.
- Y. Razier*                      **Radio Frequency Capacitive Discharges**  
Exhaustive treatment of this important discharge device  
for plasma etching.
- S. Rossnagel*                 **Handbook of Plasma Processing Technology**  
Compilation of papers on basics of plasma etching and  
deposition.
- B. M. Smirnov*                **Physics of Ionized Gases**  
Good general reference but difficult to read.  
(Russian Translation)

*A. von Engel*                      **Ionized Gases**  
Collection of lectures given at Oxford.  
Considered a classic for introduction to field.

*A. von Engel*                      **Electric Plasmas; Their Nature and Uses**  
Simplified view of gas discharges but good introduction.

*J. Waymouth*                      **Electric Discharge Lamps**  
Defining text for fluorescent lamp physics.