Textbooks on Stellar Structure and Evolution:

* Principles of Stellar Evolution and Nucleosynthesis, by D. Clayton (1983)

Undergraduate Texts:

Introduction to Astrophysics, by Carroll and Ostlie (1999)
Introductory Astronomy and Astrophysics, Zeilik and Gregory (1998)

Other Texts:

Advanced Stellar Astrophysics, by Rose (1998)
Introduction to Stellar Atmospheres and Interiors, by Novotny (1973)
The Stars: their Structure and Evolution, by R.J. Tayler
Stellar Atmospheres, by D. Mihalas (1978)
Fundamental Astronomy, by Karttunen, H. et al., Springer Verlag, 1993 (2nd Ed.)

Books — 1
Texts on Related Material:

Cox, J. P.: “Theory of Stellar Pulsations”.
Kittel, Ch., and Kroemer, H.: “Thermal Physics”.

Review articles in Annual Review of Astronomy and Astrophysics:

Stellar Evolution:

Iben, I. Jr. 1967, 5, 571: “Stellar Evolution Within and Off the Main Sequence”.
Iben, Icko, Jr. 1974, 12, 215: “Post Main Sequence Evolution of Single Stars”.
Iben, I. Jr., and Renzini, A. 1983, 21, 271: “Asymptotic Giant Branch Evolution and Beyond”.
Wagoner, R. V. 1969, 7, 553: “Physics of Massive Objects”.

Mass Loss from Stars:

Casinelli, J. P. 1979, 17, 275: “Stellar Winds”.
Zuckerman, B. 1980, 18, 263: “Envelopes Around Late-Type Giant Stars”.

Final Products of Stellar Evolution:

Woosley, S. E., and Weaver, Th. A. 1987, 24, 205: “The Physics of Supernova Explosions”.

Books — 2
Binary Stars, Observations and Theory:


Stellar Atmospheres:

Carbon, D. F. 1979, 17, 513: “Model Atmospheres for Intermediate- and Late-Type Stars”.
Tsuji, T. 1986, 24, 89: “Molecules in Stars”.
Linsky, J. L. 1980, 18, 439: “Stellar Chromospheres”
Zukerman, B. 1980, 18, 263: “Envelopes Around Late-Type Giant Stars”.

Stellar Instabilities:

Preston, G. W. 1964, 2, 23: “The RR Lyrae Stars”.

Fundamental Data:

van de Kamp, P. 1971, 9, 103: “The Nearby Stars”.
Abt, H. A. 1983, 21, 343: “Normal and Abnormal Binary Frequency”.

The Origin of Chemical Elements:

Reeves, H. 1974, 12, 437: “On the Origin of the Light Elements”.

Books — 3
Solar neutrino problem:


Age determination:

Turn-off point in the H-R diagrams of globular clusters:


The faintest white dwarfs:


Radioactive elements:


Equation of state:


Ogasawara, R. 1985, Progress of Theoretical Physics, 73, 367: ”Equation of State of Supernova Matter”.

Opacities:


Books — 4
Thermal conductivity and viscosity:


Nuclear burning rates:


Itoh, N. 1981, Supplement of the Progress of Theoretical Physics, No. 70, 132: “Physics of Dense Plasmas and the Enhancement of Thermonuclear Reaction Rates Due to Strong Screening”.


Neutrino energy losses:


Books — 5