QFT in curved spacetime references

The emergence of the following two sets of lecture notes in the last few years has made life much easier for students learning QFT in curved spacetime. I highly recommend both of them. Of course, they are not textbooks, and some of the material is summarized quickly. However, I hope that after my course (and with your knowledge of Euclidean techniques in field theory), you will be well-prepared to read these lecture notes and to reap the benefit of their wisdom.

S. F. Ross, arXiv:hep-th/0502195.

T. Jacobson, arXiv:gr-qc/0308048.

The above notes also contain an invaluable set of references to other literature.

Of course, I should also mention Wald's monograph

R. Wald, "Quantum Field Theory in Curved Spacetime and Black Hole Thermodynamics (Chicago Lectures in Physics)", U. of Chicago Press.

which is perhaps best suited to the more mathematically minded student, as well as the classic

N. Birrell and P. C. W. Davies, "Quantum fields in curved space", Cambridge University Press (1982),

which to my knowledget remains the only "textbook" available on the subject.