
Contents

Preface	ix
Acknowledgements	xi
1. Introduction	1
2. Fracture Mechanics Background	7
3. Environmentally Enhanced Crack Growth	23
4. Fracture Mechanics Tests	37
5. Strength Testing	79
6. Thermally Induced Fracture	129
7. Modeling of Brittle Fracture	145
8. Quantitative Fractography	167
9. Microstructural Effects	207
10. Reliability and Time-dependent Fracture	223
11. Concluding Remarks	235
Subject Index	239

