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Altri autori (Persone)	LiYong-Gang
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Nota di contenuto	Frontmatter -- Preface -- Contents -- Imaging, Modeling and Assimilation in Seismology: An Overview / Li, Yong-Gang -- Chapter 1. Full-Wave Seismic Data Assimilation: A Unified Methodology for Seismic Waveform Inversion / Chen, Po -- Chapter 2. One-Return Propagators and the Applications in Modeling and Imaging / Wu, Ru-Shan / Xie, Xiao-Bi / Jin, Shengwen -- Chapter 3. Fault-Zone Trapped Waves: High-Resolution Characterization of the Damage Zone of the Parkfield San Andreas Fault at Depth / Li, Yong-Gang / Malin, Peter E. / Cochran, Elizabeth S. -- Chapter 4. Fault-Zone Trapped Waves at a Dip Fault: Documentation of Rock Damage on the Thrusting Longmen-Shan Fault Ruptured in the 2008 M8 Wenchuan Earthquake / Li, Yong-Gang / Su, Jin-Rong / Chen, Tian-Chang -- Chapter 5. Ground-Motion Simulations with Dynamic Source Characterization and Parallel Computing / Duan, Benchun -- Chapter 6. Load-Unload Response Ratio and Its New Progress / Yin, Xiang-Chu / Liu, Yue / Zhang, Lang-Ping / Yuan, Shuai -- Chapter 7. Discrete Element Method and Its Applications in Earthquake and Rock Fracture Modeling / Wang, Yucang

/ Xue, Sheng / Xie, Jun

Sommario/riassunto	This work presents current approaches in geophysical research of earthquakes. A global authorship from top institutions presents case studies to model, measure, andmonitor earthquakes.Among others afull-3D waveform tomography method is introduced, as well as propagator methods for modeling and imaging. In particular the earthquake prediction method makes this book a must-read for researchers in the field.