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Nota di contenuto	What is the lithosphere? -- Age of the lithosphere -- Seismic structure of the lithosphere -- Thermal regime of the lithosphere from heat flow data -- Thermal state of the lithosphere from non-thermal data -- CBL and lithospheric density from petrologic and geophysical data -- Electrical structure of the lithosphere -- Flexure and rheology -- Evolution of the lithosphere -- Summary of lithospheric properties.
Sommario/riassunto	Presenting a coherent synthesis of lithosphere studies, this book covers a range of geophysical methods (seismic reflection, refraction, and receiver function methods; elastic and anelastic seismic tomography; electromagnetic and magnetotelluric methods; thermal, gravity and

rheological models), complemented by petrologic and laboratory data on rock properties. It also provides a critical discussion of the uncertainties, assumptions, and resolution issues that are inherent in the different methods and models of the lithosphere. Multidisciplinary in scope, global in geographical extent, and covering a wide variety of tectonics settings across 3.5 billion years of Earth history, this book presents a comprehensive overview of lithospheric structure and evolution. It is a core reference for researchers and advanced students in geophysics, geodynamics, tectonics, petrology, and geochemistry, and for petroleum and mining industry professionals.