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Nota di contenuto	1. An introduction to the Alpine cycle -- 2. The Alpine cycle in Iberia: Microplate units and geodynamic stages -- 3.Permian-Triassic rifting stage -- 4.Late Triassic-Middle Jurassic passive margins -- 5. Late Jurassic-Early Cretaceous rifting -- 6. Late Cretaceous post-rift to convergence in Iberia -- 7.Lithological successions of the Internal Betic and Flysch units -- 8. Alpine orogeny: Deformation and structure in the Northern Iberian margin (Pyrenees s.l.) -- 9. Alpine orogeny: Deformation and structure in the Southern Iberian margin (Betics s.l.) -- 10. Alpine orogeny: Deformation and structure in the West and Southwest Iberia Margins -- 11. Alpine orogeny: Intraplate deformation -- 12. Alpine metamorphism in the Betic Internal Zones -- 13. Mesozoic and Cenozoic magmatism in the Betics.
Sommario/riassunto	Taking a new global approach, this unique book provides an updated review of the geology of Iberia and its continental margins from a geodynamic perspective. Owing to its location close to successive plate margins, Iberia has played a pivotal role in the geodynamic evolution of the Gondwanan, Rheic, Pangea, Tethys s.l. and Eurasian plates over the

last 600 Ma of Earth's history. The geological record starts with the amalgamation of Gondwana in the Neoproterozoic succeeded by the rifting and spreading of the Rheic ocean; its demise, which led to the amalgamation of Pangea in the late Paleozoic; the rifting and spreading of several arms of the Neotethys ocean in the Mesozoic Era and their ongoing closure, which was responsible for the Alpine orogeny. The significant advances in the last 20 years have attracted international research interest in the geology of the Iberian Peninsula. This volume presents the most comprehensive, and updated description of the Alpine cycle in Iberia. This volume focuses in the different geological events during the Alpine orogeny as well as the lithological succession . This book is of interest not only for scientists of Portugal and Spain but also for geoscientists searching for analogies for oil and gas as well as tourists visiting the main mountain ridges of Iberia such as the Pyrenees.