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Autore	Davies Geoffrey F (Geoffrey Frederick)
Titolo	Mantle convection for geologists / / Geoffrey F. Davies [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2011
ISBN	1-107-21502-1 0-511-99422-2 9786613050168 1-283-05016-1 0-511-99304-8 0-511-98922-9 0-511-98744-7 0-511-97341-1 0-511-99101-0
Descrizione fisica	1 online resource (vii, 232 pages) : digital, PDF file(s)
Disciplina	551.1/16
Soggetti	Plate tectonics Plumes (Fluid dynamics) Heat - Convection Earth (Planet) Mantle
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Context -- 3. Why moving plates? -- 4. Solid, yielding mantle -- 5. Convection -- 6. The plate mode of convection -- 7. The plume mode of convection -- 8. Perspective -- 9. Evolution and tectonics -- 10. Mantle chemical evolution -- 11. Assimilating mantle convection into geology -- Appendix A. Exponential growth and decay -- Appendix B. Thermal evolution details -- Appendix C. Chemical evolution details.
Sommario/riassunto	Mantle convection is the fundamental agent driving many of the geological features observed at the Earth's surface, including plate tectonics and plume volcanism. Yet many Earth scientists have an incomplete understanding of the process. This book describes the

physics and fluid dynamics of mantle convection, explaining what it is, how it works, and how to quantify it in simple terms. It assumes no specialist background: mechanisms are explained simply and the required basic physics is fully reviewed and explained with minimal mathematics. The distinctive forms that convection takes in the Earth's mantle are described within the context of tectonic plates and mantle plumes, and implications are explored for geochemistry and tectonic evolution. Common misconceptions and controversies are addressed - providing a straightforward but rigorous explanation of this key process for students and researchers across a variety of geoscience disciplines.

2. Record Nr. UNINA9910679743903321

Titolo	Libya oil & gas report
Pubbl/distr/stampa	London, UK : , : Fitch Solutions [London, UK] : , : BMI
Descrizione fisica	1 online resource
Disciplina	338.272809612
Soggetti	Gas industry - Libya Gas industry - Libya - Forecasting Petroleum industry and trade - Libya Petroleum industry and trade - Libya - Forecasting Gaz - Industrie - Libye Gaz - Industrie - Libye - Prévision Pétrole - Industrie et commerce - Libye Pétrole - Industrie et commerce - Libye - Prévision Gas industry Gas industry - Forecasting Petroleum industry and trade Petroleum industry and trade - Forecasting Periodicals. Serial publications. Libya
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Formato	Materiale a stampa
Livello bibliografico	Periodico