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Titolo	Advances in high-pressure technology for geophysical applications [[electronic resource] /] / editors, Jiahua Chen ... [et al.]
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Altri autori (Persone)	ChenJiahua
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Soggetti	Mineralogy Mineralogical chemistry Geophysics Materials at high pressures Electronic books.
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front Cover; Advances in High-Pressure Technology for Geophysical Applications; Copyright Page; Contents; Contributors; Preface; Reviewers; Part I: Elastic and anelastic properties; Chapter 1. Direct measurements of the elastic properties of iron and cobalt to 120 GPa - implications for the composition of Earth's core; Chapter 2. A gigahertz ultrasonic interferometer for the diamond anvil cell and high-pressure elasticity of some iron-oxide minerals Chapter 3. Simultaneous equation of state, pressure calibration and sound velocity measurements to lower mantle pressures using multi-anvil apparatus Chapter 4. Simultaneous determination of elastic and structural properties under simulated mantle conditions using multi-anvil device MAX80; Chapter 5. Laboratory measurement of seismic wave dispersion and attenuation at high pressure and temperature; Part II: Rheology; Chapter 6. High-temperature plasticity measurements using synchrotron X-rays Chapter 7. Stress and strain measurements of polycrystalline materials under controlled deformation at high pressure using monochromatic

synchrotron radiation Chapter 8. Development of a rotational Drickamer apparatus for large-strain deformation experiments at deep Earth conditions; Part III: Melt and glass properties; Chapter 9. Density measurements of molten materials at high pressure using synchrotron X-ray radiography: melting volume of FeS Chapter 10. Viscosity and density measurements of melts and glasses at high pressure and temperature by using the multi-anvil apparatus and synchrotron X-ray radiation Chapter 11. The effect of composition, compression, and decompression on the structure of high-pressure aluminosilicate glasses: an investigation utilizing ^{17}O and ^{27}Al NMR; Chapter 12. The application of ^{17}O and ^{27}Al solid-state ($^{3}\text{QMAS}$) NMR to structures of non-crystalline silicates at high-pressure; Part IV: Structural and magnetic properties Chapter 13. Decompression of majoritic garnet: an experimental investigation of mantle peridotite exhumation Chapter 14. Chemistry at extreme conditions: approaching the Earth's major interface; Chapter 15. Pressure dependence on the magnetic properties of titanomagnetite using the reversible susceptibility method; Part V: Diffraction and spectroscopy; Chapter 16. High-pressure angle-dispersive powder diffraction using an energy-dispersive setup and white synchrotron radiation Chapter 17. Methods and application of the Paris-Edinburgh Press to X-ray diffraction structure solution with large-volume samples at high pressures and temperatures

Sommario/riassunto

High-pressure mineral physics is a field that is strongly driven by the development of new technology. Fifty years ago, when experimentally achievable pressures were limited to just 25 GPa, little was known about the mineralogy of the Earth's lower mantle. Silicate perovskite, the likely dominant mineral of the deep Earth, was identified only when the high-pressure techniques broke the pressure barrier of 25 GPa in 1970's. However, as the maximum achievable pressure reached beyond one Megabar (100 GPa) and even to the pressure of Earth's core on minute samples, new discoveries increasingly were

2.	Record Nr.	UNIORUON00184723
	Titolo	L'Industrializzazione del Mediterraneo : movimenti di manodopera e capitali / a cura di Roberto Aliboni
	Pubbl/distr/stampa	Roma, : Istituto Affari Internazionali ; Bologna, : I I Mulino, 1977 191 p. ; 22 cm
	Soggetti	Storia economica - Saggi
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
3.	Record Nr.	UNISALENTO991002114229707536
	Titolo	Guida alla ricerca ed alla lettura delle decisioni delle corti statunitensi / a cura di Roberto Caso ; scritti di Paolo Guarda e Federica Lorenzato
	Pubbl/distr/stampa	Trento : Università degli studi di Trento, 2006
	ISBN	8884431298 9788884431295
	Descrizione fisica	145 p. ; 24 cm
	Collana	Quaderni del Dipartimento di scienze giuridiche, Università degli studi di Trento ; 54
	Altri autori (Persone)	Caso, Roberto <giurista> Guarda, Paola Lorenzato, Federica
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