

1. Record Nr.	UNINA9910830813503321
Titolo	Earth's deep water cycle
Pubbl/distr/stampa	[Place of publication not identified], : American Geophysical Union, 2006
ISBN	1-118-66648-8
Collana	Geophysical monograph series Earth's deep water cycle
Disciplina	551.48
Soggetti	Groundwater Hydrologic cycle Geodynamics Geology, Structural Geography Earth & Environmental Sciences Physical Geography Earth (Planet) Mantle
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Nominally anhydrous minerals and Earth's deep water cycle / Joseph R. Smyth and Steven D. Jacobsen -- Seismological constraints on Earth's deep water cycle / Suzan van der Lee and Douglas A. Wiens -- Phase relations of hydrous peridotite : implications for water circulation in the Earth's mantle / Tetsuya Komabayashi -- Hydrogen incorporation in natural mantle olivines / Jed L. Mosenfelder ... [et al.] -- Water in transition zone and lower mantle minerals / Nathalie Bolfan-Casanova, Catherine A. McCammon, and Stephen J. Mackwell -- Raman spectroscopic studies of hydrous and nominally anhydrous deep mantle phases / Annette K. Kleppe and Andrew P. Jephcoat -- Influence of water on major phase transitions in the Earth's mantle / Konstantin D. Litasov, Eiji Ohtani, and Asami Sano -- Influence of hydrogen-related defects on the electrical conductivity and plastic deformation of mantle minerals : a critical review / Shun-ichiro Karato -- Effect of water on the sound velocities of ringwoodite in the transition zone / Steven D. Jacobsen and Joseph R. Smyth -- High-pressure and high-temperature

stability and equation of state of superhydrous phase B / Toru Inoue ...  
[et al.] -- Phase diagram and physical properties of H<sub>2</sub>O at high  
pressures and temperatures: applications to planetary interiors / Jung-  
Fu Lin, Eric Schwegler, and Choong-Shik Yoo.

---