

1. Record Nr.	UNINA9910790619303321
Titolo	Ocean circulation and climate : a 21st century perspective / / edited by Gerold Siedler, Helmholtz Centre for Ocean Research, Kiel, Germany, Stephen M. Griffies, NOAA Geophysical Fluid Dynamics Laboratory, Princeton, USA, John Gould, National Oceanography Centre, Southampton, UK, John A. Church, Centre for Australian Weather and Climate Research, a partnership between CSIRO and the Bureau of Meteorology, Hobart, Australia
Pubbl/distr/stampa	Oxford : , : Academic Press, , 2013
ISBN	0-12-391853-7
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (xxiii, 868 pages) : illustrations (some color)
Collana	International geophysics series, , 0074-6142 ; ; volume 103
Disciplina	893
Soggetti	Ocean circulation Ocean-atmosphere interaction Marine geophysics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"ISSN: 0074-6142."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	part I. The ocean's role in the climate system -- part II. Ocean observations -- part III. Ocean processes -- part Ivolume Ocean circulation and water masses -- part volume Modeling the ocean climate system -- part VI. The changing ocean.
Sommario/riassunto	The book represents all the knowledge we currently have on ocean circulation. It presents an up-to-date summary of the state of the science relating to the role of the oceans in the physical climate system. The book is structured to guide the reader through the wide range of world ocean circulation experiment (WOCE) science in a consistent way. Cross-references between contributors have been added, and the book has a comprehensive index and unified reference list. The book is simple to read, at the undergraduate level. It was written by the best scientists in the world who hav