

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910953224503321 |
| Autore | Weeks W. F |
| Titolo | On sea ice // by W.F. Weeks; with W.D. Hibler III |
| Pubbl/distr/stampa | Fairbanks, : University of Alaska Press, c2010 |
| ISBN | 1-60223-101-X |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (682 p.) |
| Altri autori (Persone) | Hibler W. D., III |
| Disciplina | 551.34/3 |
| Soggetti | Sea ice Ice |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | 1. Introduction -- 2. Historical background -- 3. The ocean setting -- 4. An introduction to sea ice growth -- 5. Components -- 6. The phase diagram -- 7. Sea ice structure -- 8. Sea ice salinity -- 9. Sea ice growth: the details -- 10. Properties -- 11. Polynyas and leads -- 12. Deformation -- 13. Sea ice: seafloor interactions -- 14. Marginal ice zone -- 15. Snow -- 16. Ice dynamics -- 17. Underwater ice -- 18. Trends -- 19. Conclusions. |
| Sommario/riassunto | Covering more than seven percent of the earth's surface, sea ice is crucial to the functioning of the biosphere-and is a key component in our attempts to understand and combat climate change. With On Sea Ice, geophysicist W.F. Weeks delivers a natural history of sea ice, a fully comprehensive and up-to-date account of our knowledge of its creation, change, and function. The volume begins with the earliest recorded observations of sea ice, from 350 BC, but the majority of its information is drawn from the period after 1950, when detailed study of sea ice became widespread. Weeks de. |