

Gemeinsame Literaturverwaltung mit rebase

Integration mit anderen Tools durch
Unterstützung von APIs & Standards

Matthias Steffens, Uni Kiel
<http://refbase.net>





IPÖ Literature Database

Home | Show All | Simple Search | Advanced Search | Add Record | Import

Welcome
Matthias Steffens!
You're logged in as
msteffens@ipoe.uni-kiel.de

refbase

21-30 of 57 records found matching [your query](#) ([save](#) | [RSS](#) | [dups](#)):

[My Refs](#) | [Options](#) | [Logout](#)

Show My Group:

Baltic Sea

Show

Search within Results:

author

Exclude matches

Display Options:

author

Show

Hide

10 records per page

[Select All](#) [Deselect All](#)

<< 1 2 3 4 5 6 >>

[List View](#) | [Citations](#) | [Details](#)

Author ↑	Title	Year	Publication	Links
<input type="checkbox"/> Haapala, J; Leppäranta, M	The Baltic Sea ice season in a changing climate	1997	Boreal Environment Research	
<input checked="" type="checkbox"/> Haecky, P; Andersson, A	Primary and bacterial production in sea ice in the northern Baltic Sea	1999	Aquatic Microbial Ecology	
<input checked="" type="checkbox"/> Haecky, P; Jonsson, S; Andersson, A	Influence of sea ice on the composition of the spring phytoplankton bloom in the northern Baltic Sea	1998	Polar Biology	
<input type="checkbox"/> Ikävalko, J	Further observations on flagellates within sea ice in northern Bothnian Bay, the Baltic Sea	1998	Polar Biology	
<input type="checkbox"/> Ikävalko, J; Thomsen, HA	The Baltic sea ice biota (March 1994): A study of the protistan community	1997	European Journal of	



refbase

- Wissenschaftliche Literatur gemeinsam verwalten
 - Arbeitsteilung bei Eingabe, Kontrolle & Kategorisierung
- Wissenschaft ist international – web-basiertes Arbeiten
 - Zusammenarbeit mit externen Kollegen, auch auf Reisen/Konferenzen
- Literatur von anderen Nutzern entdecken
 - thematische Literaturlisten, gemeinsamer „Wissenspool“
 - Info über Neuzugänge via RSS & Email
- Publikationslisten von Instituten, Gruppen & Autoren
 - stets aktuell, dynamische Integration in andere Webseiten

Mehr Info:

→ refbase Wiki: <http://wiki.refbase.net/>

→ Wikipedia: <http://en.wikipedia.org/wiki/Refbase>



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<< 1 2 **3** 4 5 6 >>

[List View](#) | [Citations](#) | [Details](#)

- Haapala, J., & Leppäranta, M. (1997). The Baltic Sea ice season in a changing climate. *Boreal Environ Res*, 2, 93-108.
- Haecky, P., & Andersson, A. (1999). Primary and bacterial production in sea ice in the northern Baltic Sea. *Aquat Microb Ecol*, 20(2), 107-118.
- Haecky, P., Jonsson, S., & Andersson, A. (1998). Influence of sea ice on the composition of the spring phytoplankton bloom in the northern Baltic Sea. *Polar Biol*, 20(1), 1-8.
- Ikävalko, J. (1998). Further observations on flagellates within sea ice in northern Bothnian Bay, the Baltic Sea. *Polar Biol*, 19(5), 323-329.
- Ikävalko, J., & Thomsen, H. A. (1997). The Baltic sea ice biota (March 1994): A study of the protistan community. *Europ J Protistol*, 33, 229-243.
- Ikävalko, J., Werner, I., Roine, T., Karell, K., Granskog, M., & Ehn, J. (2004). Sea ice biota in the northern Baltic Sea in February and April 2002. (pp. 18-23). Proceedings of the 17th IAHR international symposium on ice, Saint Petersburg, Russia, 21-25 June 2004, 2. International Association of Hydraulic Engineering and Research.

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on ice' 2002' 18-23' Proceedings of the 17th IAHR international symposium on ice, Saint Petersburg, Russia, 21-25 June 2004, 2. International Association of Hydraulic Engineering and Research.



Search & Display Options

Select All Deselect All

<< 1 2 >>

List View | Citations | Details

- Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413-445.
- Quakenbush, T. K. (1994). *Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice*. Diss Abst Int Pt B - Sci & Eng, 56(04). Ph.D. thesis, University of Alaska Fairbanks, Fairbanks.
- Rapley, M., & Lytle, V. M. (1998). Brine infiltration in the snow cover of sea ice in the eastern Weddell Sea, Antarctica. *Ann Glaciol*, 27, 461-465.
- Winkler, J. B., Kappen, L., & Schulz, F. (2000). Snow and ice as an important ecological factor for the cryptogams in the maritime Antarctic. In C. Howard-Williams, & W. Davison (Eds.), *Antarctic ecosystems: models for a wider ecological understanding*. Caxton Press.

Select All Deselect All

<< 1 2 >>

List View | Citations | Details

All Found Records Selected Records:

Save Citations:

RTF

Cite

Add to (Remove from) Group:

My: Ecology

New: Add Remove

Export Records:

- BibTeX
- Endnote
- ISI
- RIS
- Atom XML
- MODS XML
- ODF XML
- Word XML

Home

SQL Search | Library Search | Show Record | Extract Citations

Help

Peer-reviewed Publications

Ackley, S. F. (1988). Snow cover effects on Antarctic sea ice thickness. *EOS*, 69(44), 1262.

Günther, S., & Dieckmann, G. S. (1999). Seasonal development of algal biomass in the snow-covered fast ice and the underlying platelet layer in the Weddell Sea, Antarctica. *Antarct Sci*, 11(3), 305–315.

Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413–445.

Rapley, M., & Lytle, V. M. (1998). Brine infiltration in the snow cover of sea ice in the eastern Weddell Sea, Antarctica. *Ann Glaciol*, 27, 461–465.

Conference Proceedings

Ackley, S. F., Lange, M. A., & Wadhams, P. (1990). Snow cover effects on Antarctic sea ice thickness. In S. F. Ackley, & W. F. Weeks (Eds.), *Sea ice properties and processes – Proceedings of the W.F. Weeks Sea Ice Symposium* (pp. 16–21). CRREL Monogr, 90(1). Hanover: U.S. Army Corps of Engineers, Cold Regions Research & Engineering Laboratory.

Ph.D. Theses

Quakenbush, T. K. (1994). *Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice*. Diss Abst Int Pt B – Sci & Eng, 56(04). Ph.D. thesis, University of Alaska Fairbanks, Fairbanks.

Book Contributions

Winkler, J. B., Kappen, L., & Schulz, F. (2000). Snow and ice as an important ecological factor for the cryptogams in the maritime Antarctic. In C. Howard-Williams, & W. Davison (Eds.), *Antarctic ecosystems: models for a wider ecological understanding*. Caxton Press.

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2001

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1988

Ackley, S. F. (1988). Snow cover effects on Antarctic sea ice thickness. *EOS*, 69(44), 1262.

Conference Proceedings

1990

Ackley, S. F., Lange, M. A., & Wadhams, P. (1990). Snow cover effects on Antarctic sea ice thickness. In S. F. Ackley, & W. F. Weeks (Eds.), *Sea ice properties and processes – Proceedings of the W.F. Weeks Sea Ice Symposium* (pp. 16–21). CRREL Monogr, 90(1). Hanover: U.S. Army Corps of Engineers, Cold Regions Research & Engineering Laboratory.

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Book Contributions

2000

Winkler, J. B., Kappen, L., & Schulz, F. (2000). Snow and ice as an important ecological factor for the cryptogams in the maritime Antarctic. In C. Howard-Williams, & W. Davison (Eds.),

Ice Ecology Course Reading List

May 15, 2008

Peer-reviewed Publications

Ackley, S. F. (1988). Snow cover effects on Antarctic sea ice thickness. *EOS*, 69(44), 1262.

Günther, S., & Dieckmann, G. S. (1999). Seasonal development of algal biomass in the snow-covered fast ice and the underlying platelet layer in the Weddell Sea, Antarctica. *Antarct Sci*, 11(3), 305–315.

Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413–445.

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Conference Proceedings

Ackley, S. F., Lange, M. A., & Wadhams, P. (1990). Snow cover effects on Antarctic sea ice thickness. In S. F. Ackley, & W. F. Weeks (Eds.), *Sea ice properties and processes – Proceedings of the W.F. Weeks Sea Ice Symposium* (pp. 16–21). CRREL Monogr, 90(1). Hanover: U.S. Army Corps of Engineers, Cold Regions Research & Engineering Laboratory.

Ph.D. Theses

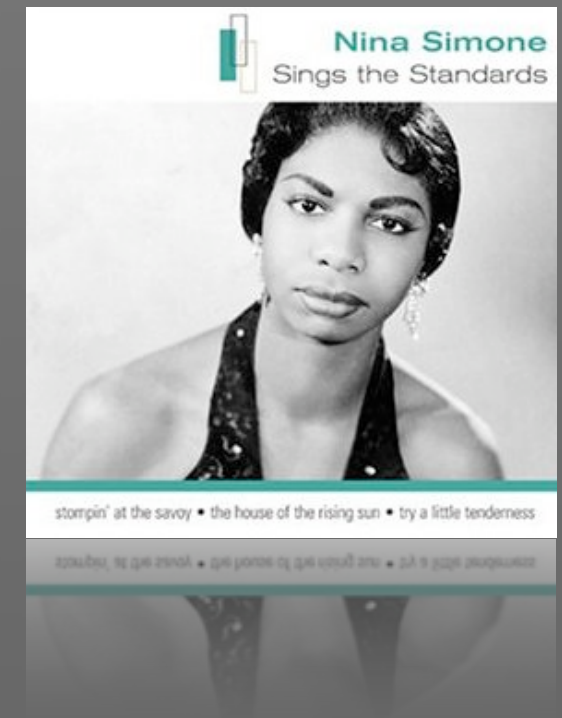
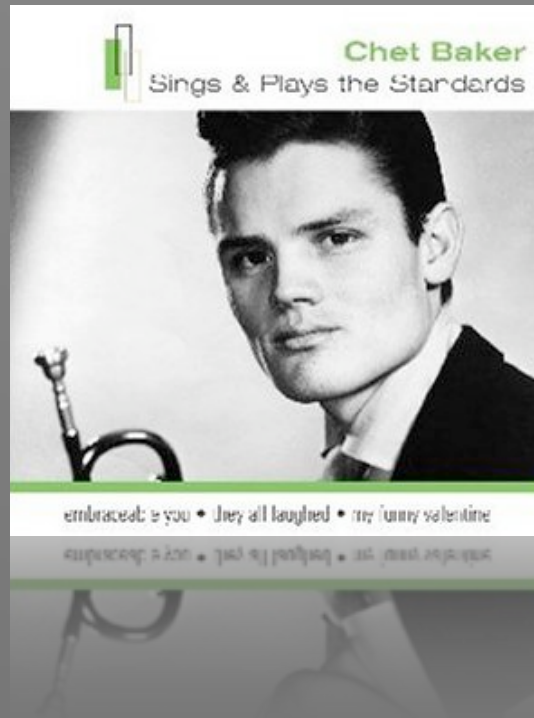
Quakenbush, T. K. (1994). *Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice*. Diss Abst Int Pt B – Sci & Eng, 56(04). Ph.D. thesis, University of Alaska Fairbanks, Fairbanks.

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Book Contributions

Winkler, J. B., Kappen, L., & Schulz, F. (2000). Snow and ice as an important eco-



Sing the Standards!





Web & Bib Standards

- Metadaten-Formate
 - Dublin Core, MODS, MARC, BibTeX, Endnote, RIS, ...
- Nachrichtenformate – „News Feeds“ / „Web Syndication“
 - RSS, Atom
- eingebettete Metadaten
 - COinS, Microformats (z.B. hCite), eRDF, RDFa, ...
- „Search & Retrieve“ Schnittstellen (APIs)
 - OpenURL, unAPI
 - OpenSearch, SRU



News Feeds – RSS

The screenshot shows a web browser window titled "rebase Beta Database -- Home" with the URL "http://beta.rebase.net/index.php". The browser's address bar contains a red circle around the RSS icon. A dropdown menu is open, listing three RSS feed options: "records added most recently", "records added today", and "records edited today", each followed by the word "abonnieren...". The website header includes the "rebase" logo, navigation links like "Home", "Show All", "Simple Search", "Advanced Search", "Add Record", and "Import", and a user login status: "Welcome rebase User! You're logged in as user@rebase.net". A "Welcome!" message states: "Welcome! This database provides access to scientific literature." and includes links for "My Refs", "Options", and "Logout".

Goals & Features

This web database is an attempt to provide a comprehensive and platform-independent literature resource for scientists.

This database provides:

- a comprehensive literature dataset, currently featuring [1183 records](#)
- a clean & standardized interface
- a multitude of search options, including both, simple & advanced as well as powerful SQL search options
- various display, citation & export options
- [Import](#) of records from common bibliographic formats and online databases

Show My Refs:

- All
- Only:
 -
 -
 - copy:
 - key:
 - note:
 - file:

- import of records from common bibliographic formats and online
- various display, citation & export options
- powerful SQL search options
- a multitude of search options, including both, simple & advanced as well as



News Feeds – RSS

refbase Beta Database -- Query Results

http://beta.refbase.net/search.php?sqlQuery=SELECT%20at

Welcome *refbase User!*
You're logged in as *user@refbase.net*

refbase Beta Database
Home | Show All | Simple Search | Advanced Search | Add Record | Import

5-8 of 8 records found matching your query (save **RSS** dups):

My Refs | Options | Logout

Search & Display Options

Select All Deselect All << 1 2 >> List View | Citations | Details

- Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413-445.
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- Rapley, M., & Lytle, V. M. (1998). Brine infiltration in the snow cover of sea ice in the eastern Weddell Sea, Antarctica. *Ann Glaciol*, 27, 461-465.



News Feeds – RSS

refbase Beta Database


http://beta.refbase.net/rss.php?where=title%20ORLIKE%20%22Ant: Google

Diesen Feed abonnieren mit

Feeds immer mit Dynamische Lesezeichen abonnieren

refbase Beta Database

Displays all newly added records where title contains 'Antarct' and title contains 'ice' and title contains 'snow'.


refbase

[Snow on Antarctic sea ice](#)

Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413-445.

Edited by refbase User on Thu, 15 May 2008 01:16:52 +0200.

[Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice](#)

Quakenbush, T. K. (1994). *Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice*. Diss Abst Int Pt B - Sci & Eng, 56(04). Ph.D. thesis, University of Alaska Fairbanks, Fairbanks.

Abst Int Pt B - Sci & Eng, 56(04). Ph.D. thesis, University of Alaska Fairbanks, Fairbanks.
Quakenbush, T. K. (1994). Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice. Diss

[Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice](#)

Edited by refbase User on Thu, 15 May 2008 01:16:52 +0200



News Feeds – RSS

rebase Beta Database

http://beta.refbase.net/rss.php?where=title%20ORLIKE%20%22Ant:

Snow Ice Antarct

- Snow on Antarctic sea ice
- Extinction of ultraviolet-A visible and near-wavelength light in snow and A...
- Seasonal development of algal biomass in the snow-covered fast ice and t...
- Snow cover effects on Antarctic sea ice thickness

Jetzt abonnieren

Alle in Tabs öffnen

rebase Beta Database

Displays all newly added records where title contains 'Antarct' and title contains 'ice' and title contains 'snow'.

[Snow on Antarctic sea ice](#)

Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413-445.

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[Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice](#)

Quakenbush, T. K. (1994). *Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice*. Diss

Mehr Info:

→ RSS: <http://rss.refbase.net>



NetNewsWire (2778 unread)

refbase Beta Database - 8 news items

	Date	Subject	Creator
Snow on Antarctic sea ice	14 May 2008	sea ice ...	refbase User
● Snow cover effects on Antarctic sea ice thickness	14 May 2008		refbase User
● Snow and ice as an important ecological factor for the crypto...	14 May 2008	lichens ...	refbase User
● Seasonal development of algal biomass in the snow-covered...	14 May 2008	Cryopla...	refbase User
● Seasonal development of algal biomass in snow-covered fas...	14 May 2008		refbase User
● Extinction of ultraviolet-A visible and near-wavelength light...	14 May 2008	Ice Ultra...	refbase User
● Brine infiltration in the snow cover of sea ice in the eastern ...	14 May 2008		refbase User
● Snow cover effects on Antarctic sea ice thickness	26 Apr 2007	Export ...	refbase Admin us

Date: 14-Mai-08 23:56 Source: refbase Beta Database

Snow on Antarctic sea ice

Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413-445.

Related: [Web page](#)

Alternate: [View record in HTML format](#)

Alternate: [Export record in BibTeX format](#)

Alternate: [Export record in Endnote format](#)

Alternate: [Export record in RIS format](#)

Alternate: [Export record as Atom XML](#)

Alternate: [Export record as MODS XML](#)

Alternate: [Export record as ODF XML](#)

Alternate: [Output record as citation in RTF format](#)

Alternate: [Output record as citation in PDF format](#)

Alternate: [Output record as citation in LaTeX format](#)

Alternate: [Output record as citation in Markdown format](#)

Posted by: refbase User Category: sea ice snow properties climate change Antarctic

<http://beta.refbase.net/show.php?record=2150>

Mehr Info:

→ Atom: <http://atomenabled.org>



COinS & unAPI

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(New Document)
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1 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
2 "http://www.w3.org/TR/html4/loose.dtd">
3 <html>
4 <head profile="http://a9.com/-/spec/opensearch/1.1/">
5 <title>refbase Beta Database -- Query Results</title>
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9 <meta name="keywords" lang="en" content="science academic literature scientific references publication search citation web bibli
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13 <link rel="stylesheet" href="css/style.css" type="text/css" title="CSS Definition">
14 <link rel="alternate" type="application/rss+xml" href="rss.php?where=%28%20%28title%20LIKE%20%22%20%5E%7C%5B%5B%3Aspace%3A%5D%5
15 <link rel="unapi-server" type="application/xml" title="unAPI" href="http://beta.refbase.net/unapi.php">
16 <link rel="search" type="application/opensearchdescription+xml" title="refbase Beta Database" href="http://beta.refbase.net/oper
17 </head>
18 <body>
19
20
183
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185 <td align="center" valign="top" width="10">
186 <input type="checkbox" name="marked[]" value="2150" title="select this record">
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188 </td>
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190 <td valign="top">Snow on Antarctic sea ice</td>
191 <td valign="top">2001</td>
192 <td valign="top">Reviews of Geophysics</td>
193 <td valign="top">39</td>
194 <td valign="top">413-445</td>
195 <td valign="top">
196 <p><small>
197 <small>
198 <small>
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COinS & unAPI

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184 <tr class="even">
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186     <input type="checkbox" name="marked[]" value="2150" title="select this record">
187     <div class="unapi"><abbr class="unapi-id" title="http://beta.refbase.net/show.php?record=2150"></abbr></div>
188   </td>
189   <td valign="top">Massom, R.A.; Eicken, H.; Haas, C.; Jeffries, M.O.; Drinkwater, M.R.; Sturm, M.; Worby, A.P.; Wu, X.; Lyle, V.I.
190   <td valign="top">Snow on Antarctic sea ice</td>
191   <td valign="top">2001</td>
192   <td valign="top">Reviews of Geophysics</td>
193   <td valign="top">39</td>
194   <td valign="top">413-445</td>
195   <td valign="top">
196     <a href="show.php?record=2150">
199     <a href="massom/2001/2150_Massom_etal2001.pdf"></span>
202   </td>
203 </tr>
204 <tr class="odd">
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206     <input type="checkbox" name="marked[]" value="2151" title="select this record">
207     <div class="unapi"><abbr class="unapi-id" title="http://beta.refbase.net/show.php?record=2151"></abbr></div>
208   </td>
209   <td valign="top">Quakenbush, T.K.</td>
210   <td valign="top">Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice</td>
211   <td valign="top">2001</td>
212   <td valign="top">Reviews of Geophysics</td>
213   <td valign="top">39</td>
214   <td valign="top">413-445</td>
215   <td valign="top">
216     <a href="show.php?record=2151">
219     <a href="quakenbush/2001/2151_Quakenbush_etal2001.pdf"></span>
222   </td>
223 </tr>
```



COinS & unAPI

refbase Beta Database -- Query Results

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5-8 of 8 records found matching your query (save | RSS | dups):

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Search & Display Options

Select All Deselect All << 1 2 >> List View | Citations | Details

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- Rapley, M., & Lytle, V. M. (1998). Brine infiltration in the snow cover of sea ice in the eastern Weddell Sea, Antarctica. *Ann Glaciol*, 27, 461-465.



COinS & unAPI

refbase Beta Database -- Query Results

Select which items you'd like to add to your library

- Snow on Antarctic sea ice
- Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice
- Brine infiltration in the snow cover of sea ice in the eastern Weddell Sea, Antarctica
- Snow and ice as an important ecological factor for the cryptogams in the maritime Antarctic

Select All Deselect All

Abbrechen OK

Welcome
refbase User!
you're logged in as
user@refbase.net

Options | Logout

Search & Display

Select All Deselect All << 1 2 >> List View | Citations | Details

Massom, R. A., Eicken, H., Haas, C., Jeffries, M. O., Drinkwater, M. R., Sturm, M., et al. (2001). Snow on Antarctic sea ice. *Rev Geophys*, 39(3), 413-445.

Quakenbush, T. K. (1994). *Extinction of ultraviolet-A visible and near-wavelength light in snow and Antarctic sea ice*. Diss Abst Int Pt B - Sci & Eng, 56(04). Ph.D. thesis, University of Alaska Fairbanks, Fairbanks.

Rapley, M., & Lytle, V. M. (1998). Brine infiltration in the snow cover of sea ice in the eastern Weddell Sea, Antarctica. *Ann Glaciol*, 27, 461-465.

Rapley, M., & Lytle, V. M. (1998). Brine infiltration in the snow cover of sea ice in the eastern Weddell Sea, Antarctica. *Ann Glaciol*, 27, 461-465.



COinS & unAPI

refbase Beta Database -- Query Results

http://beta.refbase.net/search.php?sqlQuery=SELECT%20ai

Search: snow ice Antarct

Creator	Year	Title
Winkler et al.	2000	Snow and ice as an important e...
Quakenbush	1994	Extinction of ultraviolet-A visibl...
Massom et al.	2001	Snow on Antarctic sea ice
Thomas et al.	1998	Biological soup within decaying ...
Jin et al.	2007	Ice-associated phytoplankton b...
Fitzpatrick ...	2007	The relative importance of clou...

Info Notes Attachments Tags Related

View Locate

Journal Article

Title: Snow on Antarctic sea ice

- Author: Massom, R.A.
- Author: Eicken, H.
- Author: Haas, C.
- Author: Jeffries, M.O.
- Author: Drinkwater, M.R.
- Author: Sturm, M.
- Author: Worby, A.P.
- Author: Wu, X.
- Author: Lyle, V.I.
- Author: Ushio, S.
- Author: Morris, K.
- Author: Reid, P.A.
- Author: Warren, S.G.
- Author: Allison, J.

Abstract: Snow on Antarctic sea ice plays a

Mehr Info:

→ COinS: <http://coins.refbase.net>

→ unAPI: <http://unapi.refbase.net>




OpenSearch

refbase Beta Database -- Search

http://beta.refbase.net/opensearch.php

Google

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Identifier	CrossRef: OpenURL
Identifier	refbase Beta Database: Record 2147
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Identifier	Citation: Ackley, S. F. (1988). Snow cover effects on Antarctic sea ice thickness. EOS, 69(44), 1262.
Date	1988
Type	JournalArticle
Format	text
Publ. Name	EOS

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Autoren	Titel	Zeitschri	Jahr	Wertung
N Aberle, U Witte	Deep-sea macrofa...	Mar Ecol...	2003	☆☆☆
W. Arntz, J Gutt, ...	Antarctic marine ...		2002	
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H Auel, M Klages...	Respiration and li...	Mar Biol		
Sarah Behrens, H...	Computer assistan...	Comput...	2007	
A Benthien	Echographiekarti...		1994	

Vol. 251: 37-47, 2003 MARINE ECOLOGY PROGRESS SERIES Mar Ecol Prog Ser Published April 11

Deep-sea macrofauna exposed to a simulated sedimentation event in the abyssal NE Atlantic: *in situ* pulse-chase experiments using ¹³C-labelled phytodetritus

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ABSTRACT: Tracer experiments with ¹³C-labelled diatoms *Thalassiosira rotula* (Bacillariophyceae, 98% ¹³C-labelled) were conducted at the Porcupine Abyssal Plain (PAP) in the NE Atlantic (BENGAL Station, 48°50' N, 16°30' W, 4850 m depth) during May/June 2000. *In situ* enrichment experiments were carried out using deep-sea benthic chamber landers: within the chambers a spring bloom was simulated and the fate of this food-pulse within the abyssal macrobenthic community was followed. In focus was the role of different macrofauna taxa and their vertical distribution within the sediment column in consuming and reworking the freshly deposited material. *T. rotula* is one of the most abundant pelagic diatoms in the NE Atlantic and therefore 0.2 g of freeze dried *T. rotula*, equivalent to 1 g algal C m⁻² yr⁻¹, was injected into each incubation chamber. Three different incubation times of 2.5, 8 and 23 d were chosen in order to follow the uptake of ¹³C-labelled phytodetritus by macrofauna. After only 2.5 d, 77% of all macrofauna organisms showed tracer uptake. After 23 d the highest degree of enrichment was measured and 95% of the individuals had taken up ¹³C from the introduced algal material. In addition to that a downward transport of organic matter was observed, even though the mixing was not very intense. The initial processing of carbon was dominated by polychaetes that made up a percentage of 52% of total macrofauna. In general macrofauna organisms that lived close to the sediment surface had higher access to the simulated food-pulse, confirming the hypothesis that individuals close to the sediment surface have the strongest impact on the decompo-

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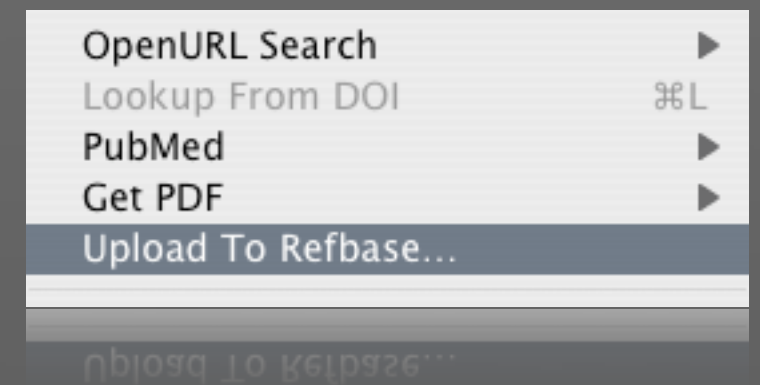
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