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| Title | Science Directを例に学ぶ学術情報の調べ方 |
| Author(s) | 照井, 健志 |
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Science Directを例に学ぶ 学術情報の調べ方



2009/12/24

北海道大学大学院 環境科学院
照井 健志

目次



- 学術情報とは
- 最近の学術情報事情
- 学術情報収集の技(**Elsevier**の例)
- 世界中の情報を検索したい
- 国内の情報を検索したい

学術情報とは以下の情報



- 論文 学位論文・投稿論文・寄稿論文
- 雑誌 学術雑誌・官公庁誌・一般誌
- 本 専門書・一般書
- 成果 学会発表・特許
- 業績目録 研究者の業績一覧
- 公開データ
- etc

最近の学術情報事情

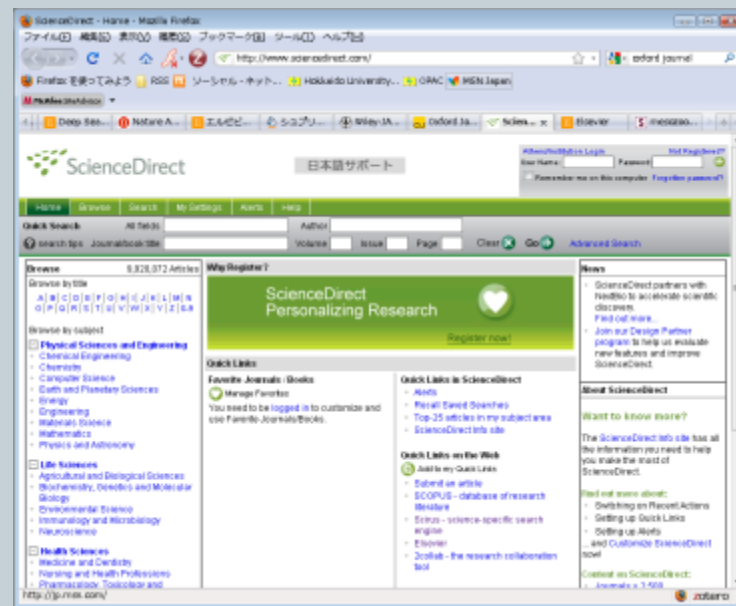


- Web上での公開
 - 出版形態が紙からPDF, HTMLへ
 - 解像度の高い図表の提供
 - 補足資料や詳細データの提供
 - 要旨の公開
- データベース化
 - 検索機能の提供
 - 参考文献のリンク
 - 関連分野の自動リンク生成

最近の学術情報事情 出版社

大手出版社は電子化, 専用サイトを設立

- Elsevier
 - Science Direct
- Springer
 - SpringerLink
- Willey-Blackwell
 - InterScience
- Oxford Journal, Nature, Science, etc.



学術情報事情収集の技 Science Directの場合

雑誌一覧を
表示する

詳細検索をする

キーワードを入れる
・著者名、雑誌名、巻、号、ページ

The screenshot shows the ScienceDirect homepage in a Mozilla Firefox browser. The browser's address bar displays <http://www.sciencedirect.com/>. The ScienceDirect logo is prominently displayed at the top left, with a '日本語サポート' (Japanese Support) button next to it. A navigation bar contains links for Home, Browse, Search, My Settings, Alerts, and Help. Below this is a 'Quick Search' section with input fields for 'All fields', 'Author', 'Volume', 'Issue', and 'Page', along with 'Clear' and 'Go' buttons. The 'Browse' section on the left indicates '9,920,072 Articles' and offers browsing by title (with an alphabetical index A-Z) and by subject (listing categories like Physical Sciences and Engineering, Chemical Engineering, Chemistry, etc.). A 'Why Register?' section in the center promotes a 'Quick Link that article now' and lists 'Quick Links' such as 'Favorite Journals / Books' and 'Quick Links in ScienceDirect'. A 'News' section on the right mentions partnerships with NextBio and a Design Partner program. The bottom of the page includes an 'About ScienceDirect' section and a 'Want to know more?' link. The browser's status bar at the bottom shows '完了' (Completed) and the Zotero extension icon.

学術情報事情収集の技 Science Directの場合

Deep Sea Research Part Iのトップページ

Deep Sea Research Part I: Oceanographic Research Papers - Elsevier - Mozilla Firefox

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http://www.elsevier.com/wps/find/journaldescription.cws_home/601265/description#description

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Browse Journals > Deep Sea Research Part I: Oceanographic Research Papers home

Deep Sea Research Part I: Oceanographic Research Papers

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M.P. Bacon

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2009

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Imprint: PERGAMON

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雑誌の概要

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Top 10 Cited
引用数Top 10

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The screenshot shows the Elsevier website for 'Deep Sea Research Part 1: Oceanographic Research Papers'. The browser window displays the URL http://www.elsevier.com/wps/find/journaldescription.cws_home/601265/description#description. The page features a navigation bar with links like 'Recommend to Friend' and 'Bookmark this Page'. A sidebar on the left shows journal statistics: Impact Factor: 1.791, 5-Year Impact Factor: 2.482, and Issues per year: 12. The main content area is titled 'Articles' and includes a tabbed interface with 'Recent', 'Top 10 Cited', and 'Most Downloaded'. The 'Top 10 Cited' tab is active, displaying a list of articles extracted from Scopus. The first article is 'Global distribution of naturally occurring marine hypoxia on continental margins' by Helly, J.J. and Levin, L.A. The right sidebar contains links for 'Authors', 'Librarians', and 'Editors'. The bottom of the page has a '完了' (Completed) button and a Zotero logo.

Deep Sea Research Part 1: Oceanographic Research Papers - Elsevier - Mozilla Firefox

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90 Global distribution of naturally occurring marine hypoxia on continental margins
Volume 51, Issue 9, 2004, Pp 1159-1168
Helly, J.J. | Levin, L.A.

52 Phytoplankton in the subtropical Atlantic Ocean: Towards a better assessment of biomass and composition
Volume 51, Issue 4, 2004, Pp 507-530
Veldhuis, M.J.W. | Kraay, G.W.

46 Biomass and primary productivity of the cyanobacterium Trichodesmium spp. in the tropical N Atlantic ocean
Volume 51, Issue 2, 2004, Pp 173-203
Carpenter, E.J. | Subramaniam, A. | Capone, D.G.

45 Remote sensing of phytoplankton groups in case 1 waters from global SeaWiFS

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学術情報事情収集の技トップページ

既刊号一覧

Abstractと
目次の表示

PDFのダウンロード

関連論文の表示

ScienceDirect - Deep Sea Research Part I: Oceanographic Research Papers, Volume 56, Issue 12, Pages 2077-2292 (December 2009) - Mozilla Firefox

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http://www.sciencedirect.com/science/journal/09670637

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Deep Sea Research Part I: Oceanographic Research Papers
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Publication History: Formerly part of **Deep Sea Research Part A, Oceanographic Research Papers**
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Volume 56, Issue 12, Pages 2077-2292 (December 2009)

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1. **Editorial Board**
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2. **Volume transport and distribution of deep circulation at 165°W in the North Pacific**
Pages 2077-2087
Fumihiko Kato, Masaru Kawabe
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3. **The Kuroshio Extension and its recirculation gyres**
Pages 2088-2099
Steven R. Jayne, Nelson G. Hogg, Stephanie N. Waterman, Luc Rainville, Kathleen A. Donohue, D. Randolph Watts, Karen L. Tracey, Julie L. McClean, Mathew E. Maltrud, Bo Qiu, Shuiming Chen, Peter Hacker
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Articles in Press

Volume 56 (2009)

Volume 56, Issue 12
pp. 2077-2292 (December 2009)

Volume 56, Issue 11
pp. 1907-2076 (November 2009)

Volume 56, Issue 10
pp. 1605-1906 (October 2009)

Volume 56, Issue 9
pp. 1401-1604 (September 2009)

Volume 56, Issue 8
pp. 1203-1400 (August 2009)

Volume 56, Issue 7
pp. 1039-1202 (July 2009)

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学術情報事情収集の技 論文のトップページ

Abstract

図表の表示

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関連論文の
見出し表示

The screenshot shows a web browser displaying a ScienceDirect article page. The browser's address bar shows the URL: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6VGB-4X0XF59-2&_user=4268961&. The page title is "Deep Sea Research Part I: Oceanographic Research Papers : Volume transport and distribution of deep circulation at 165°W in the North Pacific". The article is by Fumihiko Kato and Masaki Kawabe. The abstract is visible at the bottom left, and a list of related articles is shown at the bottom right. Annotations with arrows point to various parts of the page: "Abstract" points to the abstract text; "図表の表示" points to the "Figures/Tables" tab; "参考論文の表示" points to the "References" tab; "Cited By:" points to the "Cited By" link in the Article Toolbox; and "関連論文の見出し表示" points to the "Related Articles in ScienceDirect" section.

ScienceDirect - Deep Sea Research Part I: Oceanographic Research Papers : Volume transport and distribution of deep circulation at 165°W in the North Pacific

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Deep Sea Research Part I: Oceanographic Research Papers Volume 56, Issue 12, December 2009, Pages 2077-2087

Result list | previous < 2 of 16 > next Font Size: - +

Article Figures/Tables References PDF (1400 K)

doi:10.1016/j.dsr.2009.08.004
Cite or Link Using DOI

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Volume transport and distribution of deep circulation at 165°W in the North Pacific

Fumihiko Kato^a and Masaki Kawabe^a

^aOcean Research Institute, The University of Tokyo, 1-15-1 Minamidai, Nakano-ku, Tokyo 164-8639, Japan

Received 14 October 2008; revised 6 August 2009; accepted 11 August 2009. Available online 15 August 2009.

Abstract

We conducted full-depth hydrographic observations between 8°50' and 44°30'N at 165°W in 2003 and analyzed the data together with those from the World Ocean Circulation Experiment and the World Ocean Database, clarifying the water characteristics and deep circulation in the Central and Northeast Pacific Basins. The deep-water characteristics at depths greater than approximately 2000 dbar at 165°W differ among three regions demarcated by the Hawaiian Ridge at around 24°N and the Mendocino Fracture Zone at 37°N: the southern region (10–24°N), central region (24–37°N), and northern region (north of 37°N). Deep water at temperatures below 1.15 °C and depths greater than 4000 dbar is likely identified in the southern region, mostly identified in the central region, and less uniform in the northern region. These three

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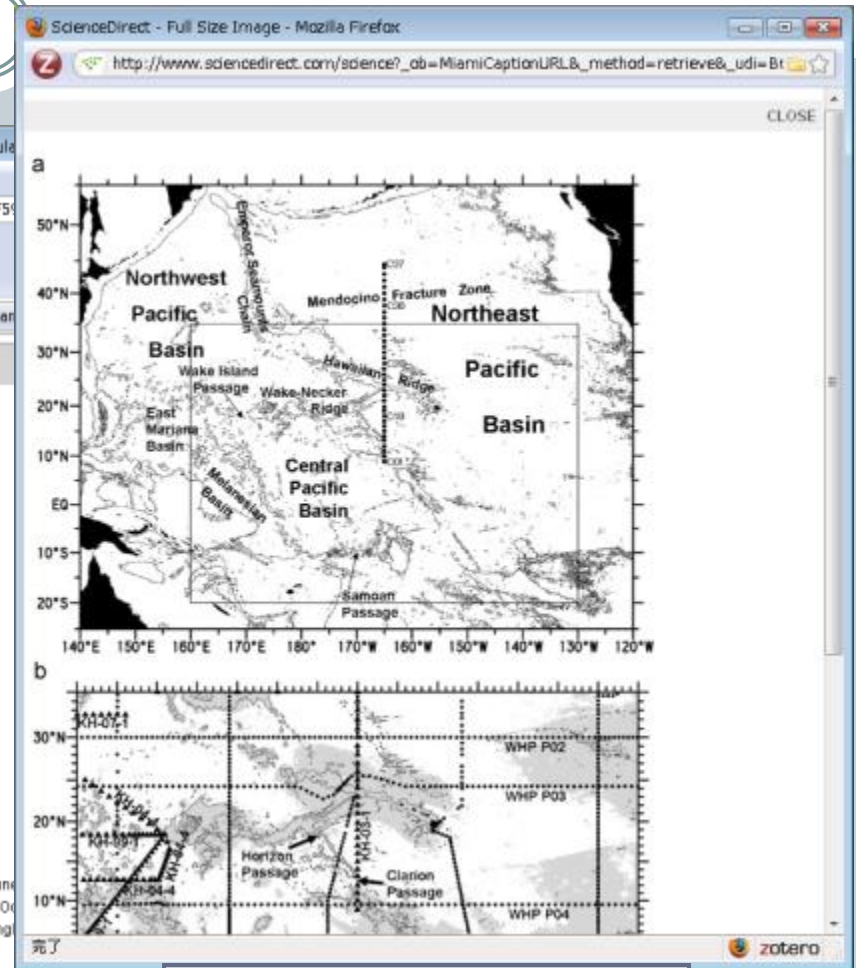
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Volume transport and distribution of deep circulation at 165°W in the North Pacific

Fumihito Kato* and Masaki Kawabe

Figure 1. (a) Map of the Pacific Ocean. Dots show CTD stations at 165°W on cruise KH-03-1 of the R.V. *Hakuho Maru* undertaken in June 2003. Rectangle indicates the study area, as shown in (b) and Fig. 5 and Fig. 6. (b) Locations of hydrographic stations of the World Ocean Database (crosses), cruises of the WOCE Hydrographic Programme (dots), and cruises undertaken by the R.V. *Hakuho Maru* (triangles). Thin lines show isobaths at a depth of 4000 m. Shading in (b) indicates regions shallower than 5000 m.

View Within Article

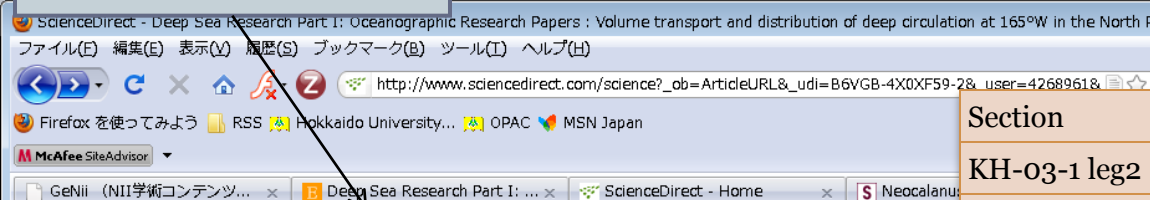


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パワーポイントに表形式でペースト可能



| Section | Salinity | Oxygen | Silica |
|----------------|----------|--------|---------|
| KH-03-1 leg2 | 0.0008 | 1.0116 | 0.9741 |
| KH-04-4 leg1 | -0.0002 | 0.9941 | 0.9859 |
| KH-04-4 leg2 | -0.0004 | 0.9898 | 0.9946 |
| KH-05-4 leg1 | 0.0001 | 1.0020 | 0.9848 |
| KH-07-1 | -0.0002 | 0.9878 | 1.0174 |
| KH-99-1 leg1 | -0.0010 | 0.9811 | No data |
| KH-99-1 leg2 | -0.0017 | 0.9821 | 1.0040 |
| WHP Po2 2004 1 | -0.0002 | 1.0037 | 0.9996 |
| WHP Po2 2004 2 | -0.0005 | 1.0217 | 1.0029 |
| WHP Po3 1 | 0.0030 | 1.0003 | 0.9970 |
| WHP Po3 2 | 0.0036 | 0.9880 | 0.9967 |
| WHP Po4C | 0.0009 | 0.9892 | 1.0000 |
| WHP Po4E | 0.0001 | 0.9999 | 1.0007 |
| WHP Po4W | 0.0012 | 1.0000 | 0.9976 |

Table 1
Coefficients of adjustment in salinity, dissolved oxygen, and silica for each cruise or cruise leg

| Section | Salinity | Oxygen | Silica |
|----------------|----------|--------|---------|
| KH-03-1 leg2 | 0.0008 | 1.0116 | 0.9741 |
| KH-04-4 leg1 | -0.0002 | 0.9941 | 0.9859 |
| KH-04-4 leg2 | -0.0004 | 0.9898 | 0.9946 |
| KH-05-4 leg1 | 0.0001 | 1.0020 | 0.9848 |
| KH-07-1 | -0.0002 | 0.9878 | 1.0174 |
| KH-99-1 leg1 | -0.0010 | 0.9811 | No data |
| KH-99-1 leg2 | -0.0017 | 0.9821 | 1.0040 |
| WHP Po2 2004 1 | -0.0002 | 1.0037 | 0.9996 |
| WHP Po2 2004 2 | -0.0005 | 1.0217 | 1.0029 |
| WHP Po3 1 | 0.0030 | 1.0003 | 0.9970 |
| WHP Po3 2 | 0.0036 | 0.9880 | 0.9967 |
| WHP Po4C | 0.0009 | 0.9892 | 1.0000 |
| WHP Po4E | 0.0001 | 0.9999 | 1.0007 |
| WHP Po4W | 0.0012 | 1.0000 | 0.9976 |
| WHP P13 1 | -0.0008 | 1.0180 | 0.9886 |
| WHP P13 2 | 0.0001 | 1.0094 | 0.9778 |
| WHP P14N 1 | 0.0010 | 0.9992 | 0.9815 |
| WHP P14N 2 | 0.0010 | 0.9856 | 0.9872 |

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ただしElsevierの提携機関のみ

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The article page has a navigation bar with tabs: "Article", "Figures/Tables", "References", and "PDF (1400 K)". The "References" tab is selected. Below the navigation bar, the article title is "Volume transport and distribution of deep circulation at 165°W in the North Pacific" by Fumihiko Kato and Masaki Kawabe. The copyright notice states "Copyright © 2009 Elsevier Ltd All rights reserved.".

The "References" section lists several articles:

- Akima, 1970 H. Akima, A new method of interpolation and smooth curve fitting based on local procedures, *Journal of the Association for Computing Machinery* **17** (1970), pp. 589–602. [Full Text via CrossRef](#)
- Boyer et al., 2006 T.P. Boyer, J.I. Antonov, H.E. Garcia, D.R. Johnson, R.A. Locarnini, A.V. Mishonov, M.T. Pitcher, O.K. Baranova and I.V. Smolyar, World ocean database 2005. In: S. Levitus, Editor, *NOAA Atlas NESDIS 60*, US Government Printing Office, Washington, DC (2006), p. 190 DVDs.
- Edmond et al., 1971 J.M. Edmond, Y. Chung and J.G. Scholer, Pacific bottom water: penetration east around Hawaii, *Journal of Geophysical Research* **76** (1971), pp. 8089–8097. [Full Text via CrossRef](#)
- Ishizaki, 1994 H. Ishizaki, A simulation of the abyssal circulation in the North Pacific Ocean. Part I: flow field and comparison with observations, *Journal of Physical Oceanography* **24** (1994), pp. 1921–1939. [View Record in Scopus](#) | [Cited By in Scopus \(13\)](#)
- Johnson et al., 2001 G.C. Johnson, P.E. Robbins and G.E. Hufford, Systematic adjustments of hydrographic sections for internal consistency, *Journal of Atmospheric and Oceanic Technology* **18** (2001), pp. 1234–1244. [Full Text via CrossRef](#) | [View Record in Scopus](#) | [Cited By in Scopus \(13\)](#)
- Johnson and Toole, 1993 G.C. Johnson and L.M. Toole, Flow of deep and bottom waters in the Pacific at 10°N, *Deep-Sea Research* **40** (1993), pp. 371–394. [Abstract](#) | [PDF \(1491 K\)](#) | [View Record in Scopus](#) | [Cited By in Scopus \(50\)](#)

On the right side of the article page, there is an "Article Tools" section with options: "E-mail Article", "Export Citation", "Cited By", "Add to my Quick Links", "Save as Citation Alert", "Permissions & Reprints", and "Citation Feed". Below this is a "Related Articles in ScienceDirect" section with a list of related articles and a "View More Related Articles" link.

At the bottom left of the browser window, the text "完了" (Completed) is visible. At the bottom right, the Zotero logo is present.

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Volume transport and distribution of deep circulation at 165°W in the North Pacific

Fumihiko Kato^a and Masaki Kawabe^a

^aOcean Research Institute, The University of Tokyo, 1-15-1 Minamidai, Nakano-ku, Tokyo 164-8639, Japan

Received 14 October 2009
August 2009. Available online 14 August 2009.

Abstract

Full-depth conductivity-temperature-depth-oxygen (CTDO₂) data at low latitudes in the western North Pacific in winter 1999 were analyzed with water-mass analysis and geostrophic calculations. The result shows that the deep circulation carrying the Lower Circumpolar Water (LCPW) bifurcates at 165°W. The deep circulation in the southern region (10–24°N), central region (24–37°N), and northern region (north of 37°N). Deep water at temperatures below 1.15 °C and depths greater than 4000 dbar is highly stratified in the southern region, weakly stratified in the central region, and largely

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Volume transport and distribution of deep circulation at 165°W in the North Pacific
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Fumihiko Kato, Masaki Kawabe
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☐ Book (56)
☐ Reference Work (44)

Journal/Book Title
☐ Deep Sea Research Part I: Topical Studies in O... (71)

1. Deep-water circulation at low latitudes in the western North Pacific
Deep Sea Research Part I: Oceanographic Research Papers, Volume 50, Issue 5, May 2003, Pages 631-656
Masaki Kawabe, Shinzou Fujio, Daigo Yanagimoto
Preview PDF (5550 K) | Related Articles

2. Water masses and currents of deep circulation southwest of the Shatsky Rise in the western North Pacific
Deep Sea Research Part I: Oceanographic Research Papers, Volume 56, Issue 10, October 2009, Pages 1675-1687
Masaki Kawabe, Shinzou Fujio, Daigo Yanagimoto, Kyoshi Tanaka
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Volume 37, Issue 10, October 1973, Pages 2257-2266, IN1, 2267-2282

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Interactions of biogenic opal, sediment and seawater in the Central Equatorial Pacific

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Abstract

The solution rate of biogenic opal in near-surface sediments in the Central Equatorial Pacific is three to eight orders of magnitude lower than similar acid-cleaned samples. Iron, magnesium and calcium aluminosilicates may be the minerals which are forming on the surface of the opal and reducing its solution rate. The scale height of the system studied suggests that diffusive and not advective processes are primarily responsible for the removal of dissolved silica in sediments. Solution budget calculations for this area suggest that 90–99 per cent of the

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