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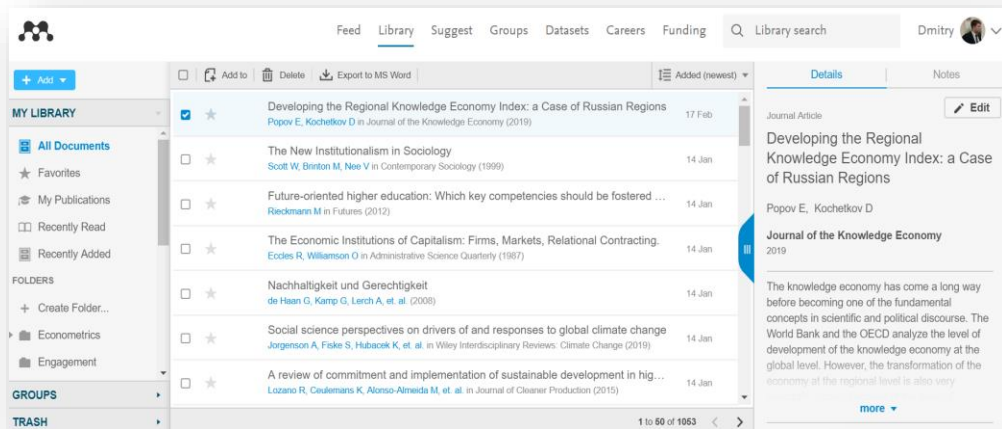
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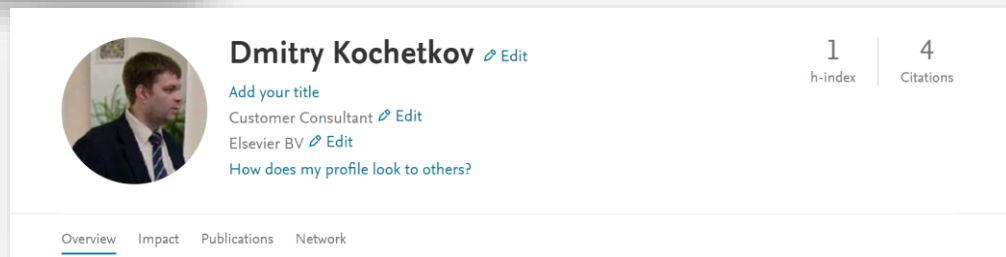
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Ocean Dynamics

Volume 56, Issue 5-6, December 2006, Pages 543-567

Impact of partial steps and momentum advection schemes in a global ocean circulation model at eddy-permitting resolution (Article)

Bernard, B.^a, Madec, G.^b, Penduff, T.^a, Molines, J.-M.^a, Treguier, A.-M.^c, Le Sommer, J.^a, Beckmann, A.^d, Biastoch, A.^e, Böning, C.^e, Dengg, J.^e, Derval, C.^f, Durand, E.^f, Gulev, S.^g, Remy, E.^f, Talandier, C.^b, Theetten, S.^c, Maltrud, M.^h, McClean, J.ⁱ, De Cuevas, B.^j

^aLaboratoire des Ecoulements Géophysiques et Industriels, Grenoble, France

^bLaboratoire d'Océanographie Dynamique et de Climatologie, Paris, France

^cLaboratoire de Physique des Océans, Ifremer Centre de Brest, Plouzané, France

^dDepartment of Physical Sciences, Division of Geophysics, University of Helsinki, Helsinki, Finland

^eIfM-GEOMAR, Leibniz-Institut für Meereswissenschaften, Universität Kiel, Kiel, Germany

^fMERCATOR-Ocean, Toulouse, France

^gShirshov Institut of Oceanography, Russian Academy of Science, Moscow, Russian Federation

^hFluid Dynamics Group, Los Alamos National Laboratory, Los Alamos, United States

ⁱScripps Institution of Oceanography, UCSD, San Diego, United States

^jNational Oceanography Centre, Southampton, United Kingdom

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Краткое описание

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Series of sensitivity tests were performed with a z-coordinate, global eddy-permitting (1/4°) ocean/sea-ice model (the ORCA-Ro25 model configuration developed for the DRAKKAR project) to carefully evaluate the impact of recent state-of-the-art numerical schemes on model solutions. The combination of an energy-entropy conserving (EEN) scheme for momentum advection with a partial step (PS) representation of the bottom topography yields significant improvements in the mean circulation. Well known biases in the representation of western boundary currents, such as in the Atlantic the detachment of the Gulf Stream, the path of the North Atlantic Current, the location of the Confluence, and

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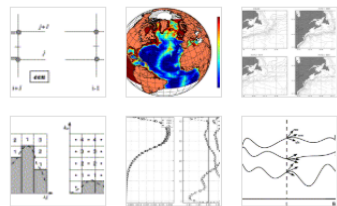
1. Introduction
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Acknowledgements

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Figures (14)



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Ocean Modelling
Volume 29, Issue 1, 2009, Pages 1-14



How momentum advection schemes influence current-topography interactions at eddy permitting resolution

Julien Le Sommer ^{a, ✉}, Thierry Penduff ^a, Sébastien Theetten ^b, Gurvan Madec ^c, Bernard Barnier ^a

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Abstract

Recent studies have shown that the use of an enstrophy-and-energy-conserving momentum advection scheme substantially reduces widespread biases of mean currents in the global 1/4° DRAKKAR model. This paper investigates the origin of these improvements. A series of sensitivity simulations with different momentum advection schemes is performed with the North Atlantic 1/4° DRAKKAR model. Three second order momentum advection schemes conserving, respectively, enstrophy (*ens*), energy (*efx*) and both quantities (*een*) are tested and their impact on the model solution are compared.

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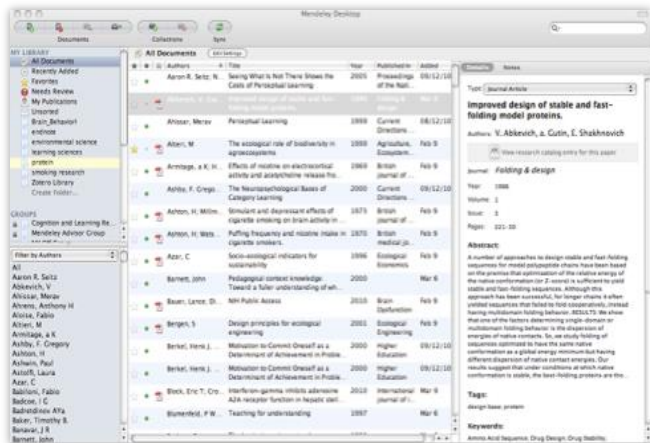
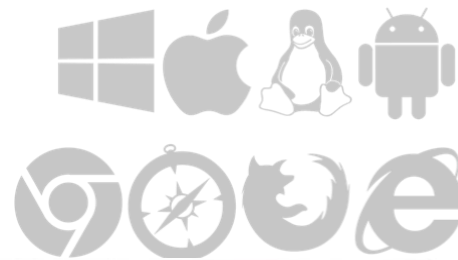
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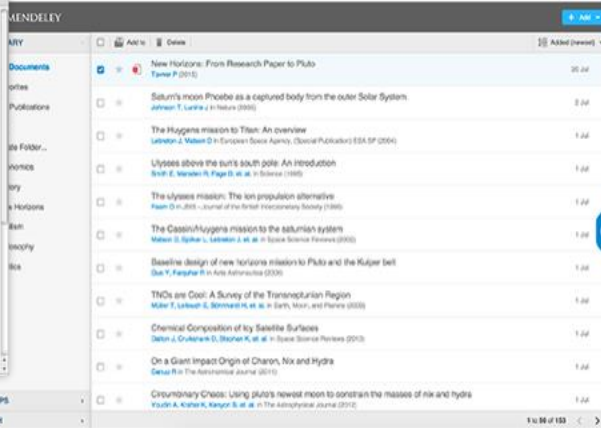


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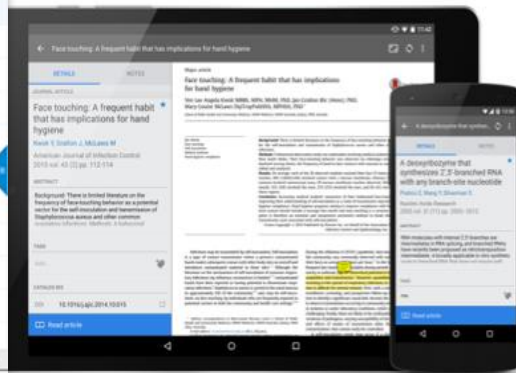
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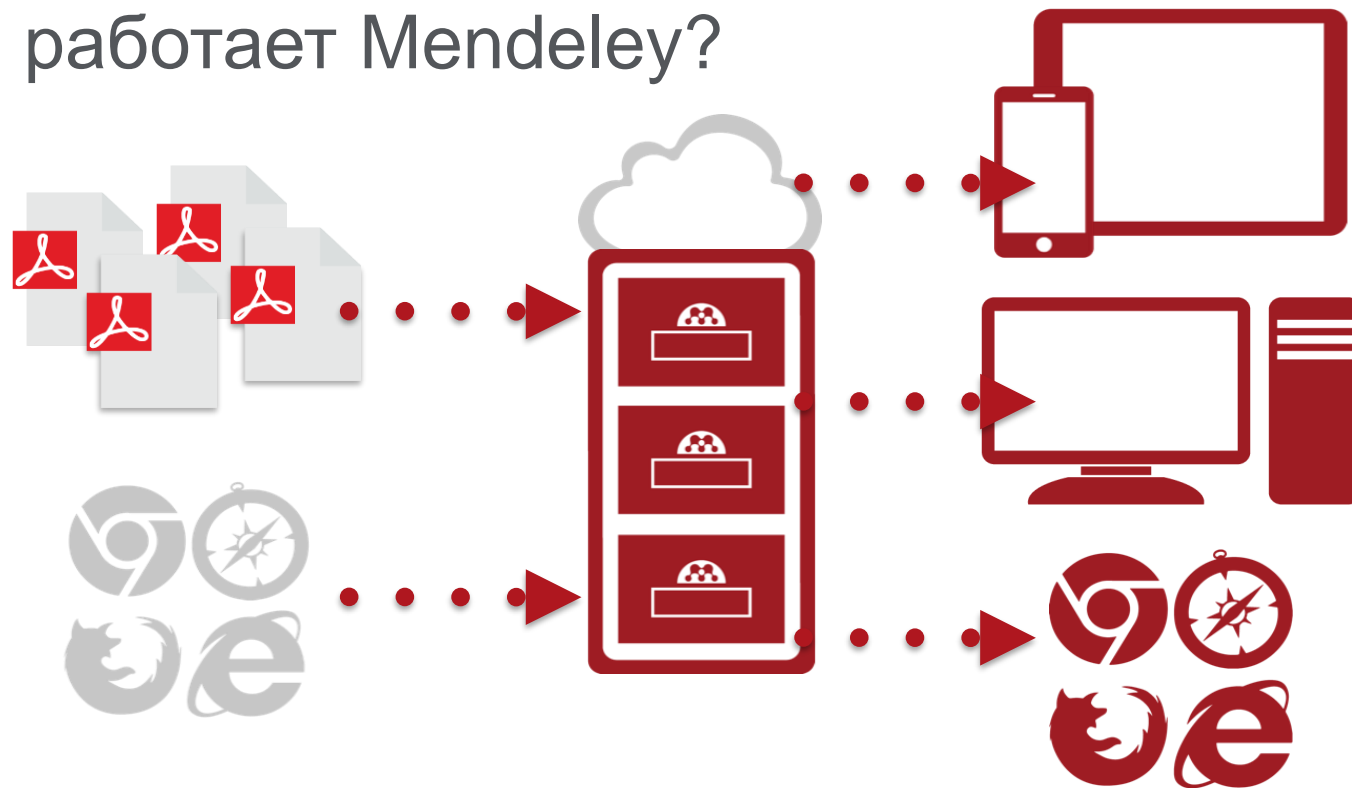
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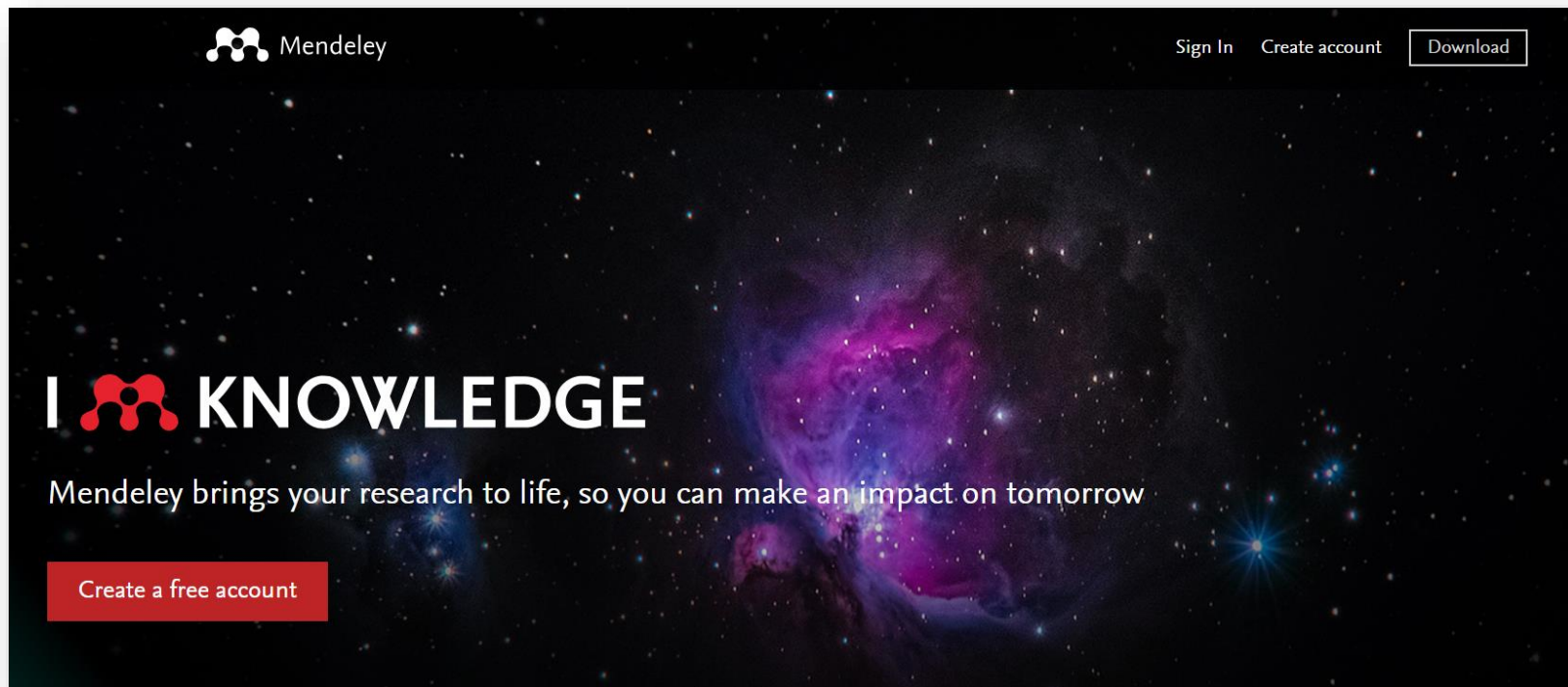


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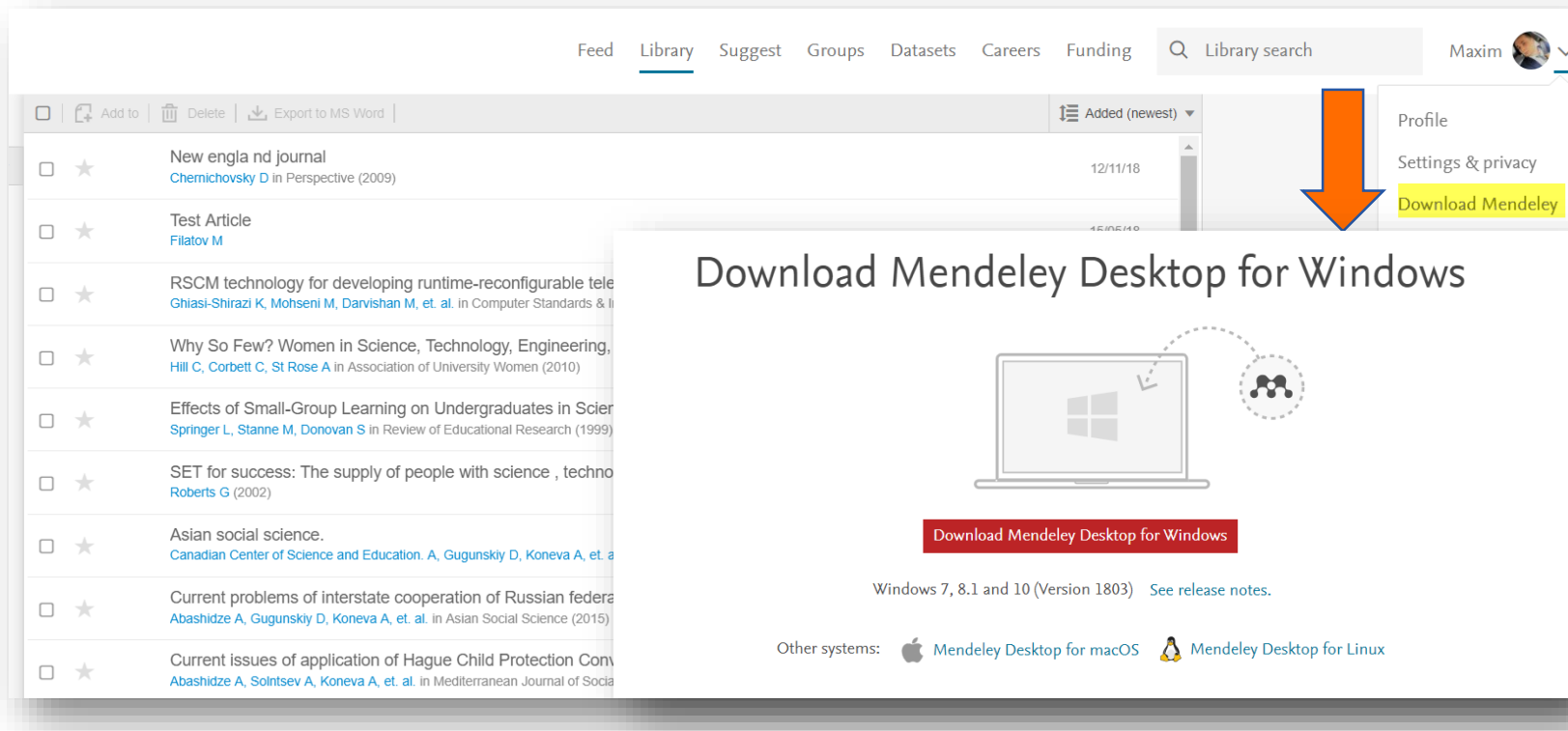
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Impact of the "Symmetric Instability of the Computational Kind" at mesoscale- and submesoscale-permitting r...

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Journal: *Ocean Modelling*

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Pages: 18-26

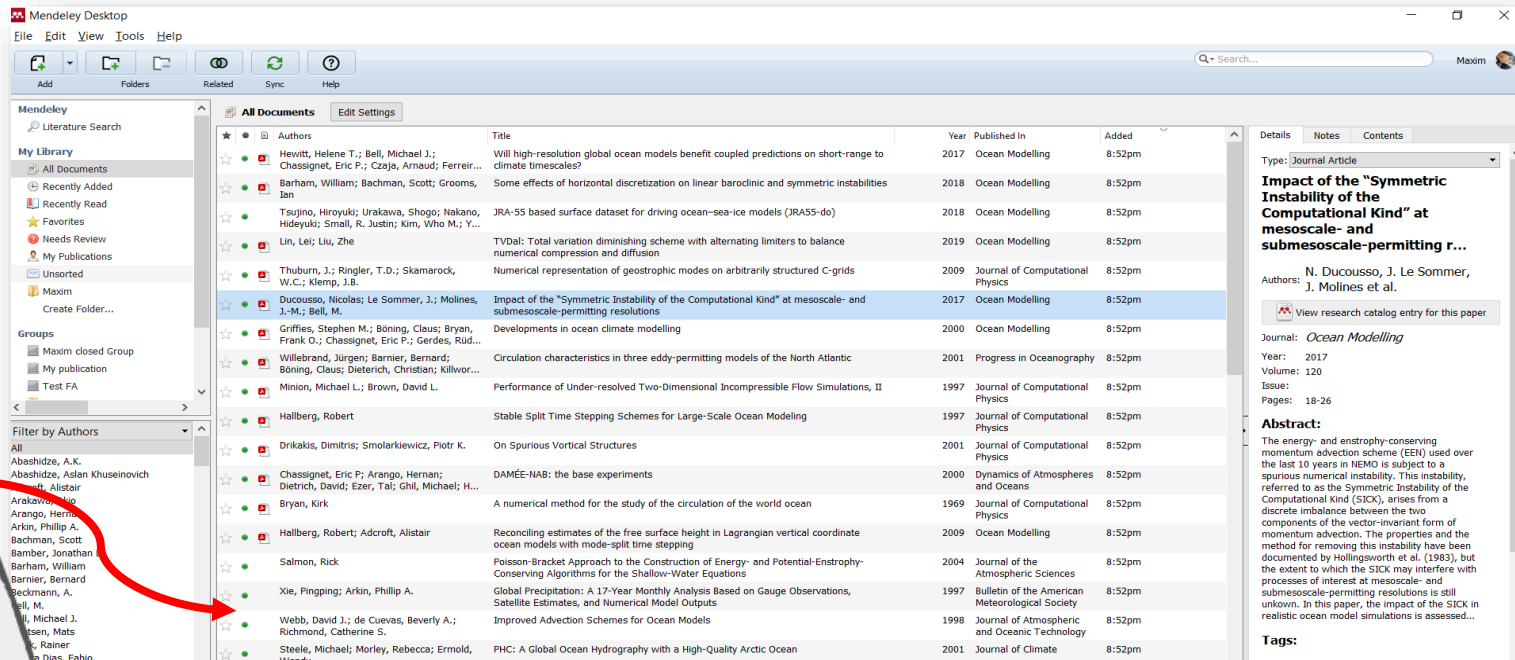
Abstract:

The energy- and enstrophy-conserving momentum advection scheme (EEN) used over the last 10 years in NEMO is subject to a spurious numerical instability. This instability, referred to as the Symmetric Instability of the Computational Kind (SICK), arises from a discrete imbalance between the two components of the vector-invariant form of momentum advection. The properties and the method for removing this instability have been documented by Hollingsworth et al. (1993), but the extent to which the SICK may interfere with processes of interest at mesoscale- and submesoscale-permitting resolutions is still unknown. In this paper, the impact of the SICK in realistic ocean model simulations is assessed...

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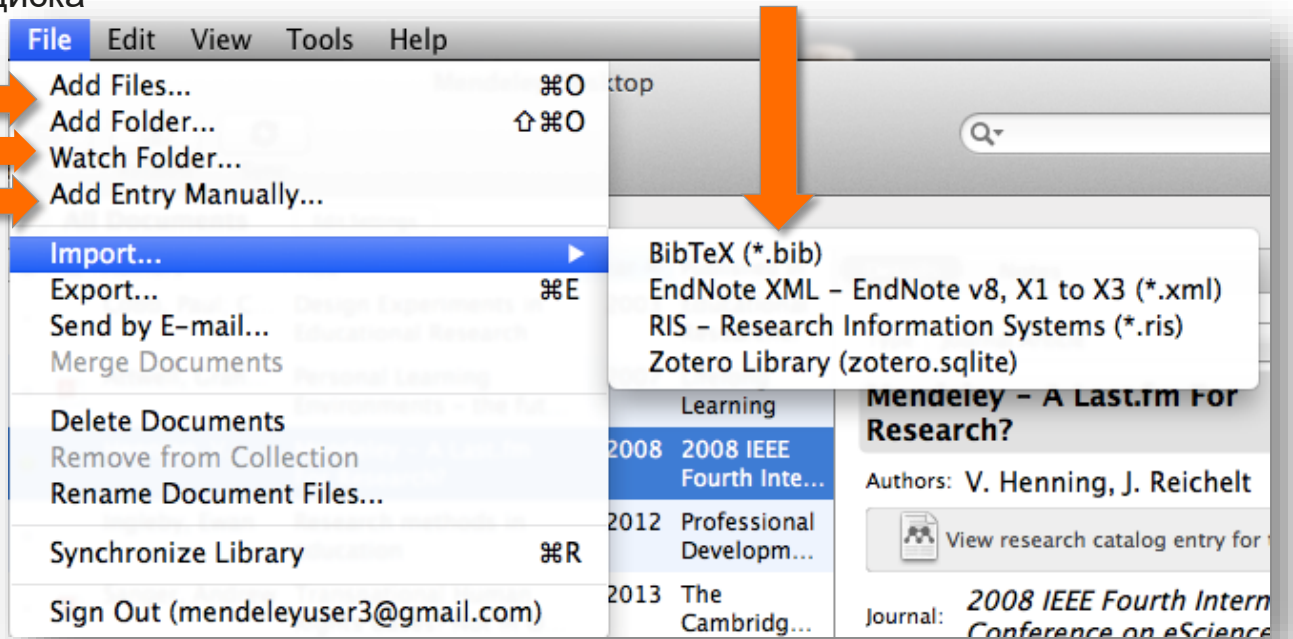
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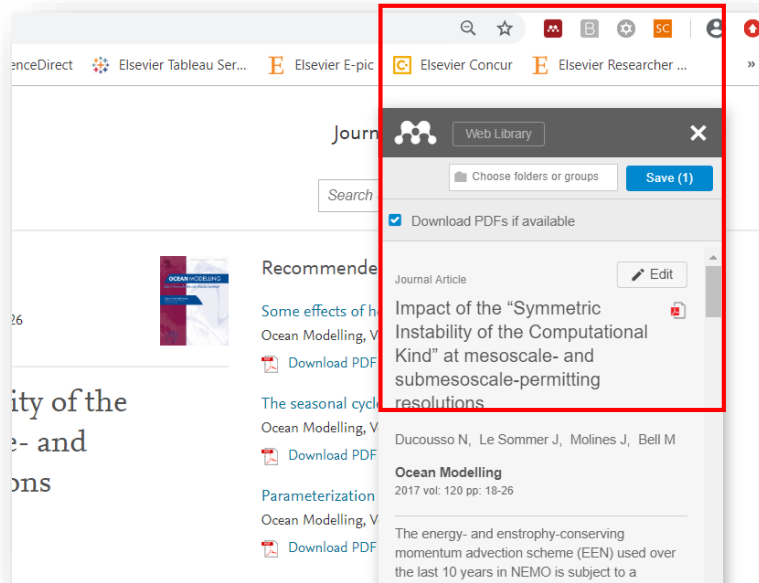
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Инструкция по переносу данных в Mendeley:

http://elsevierscience.ru/files/pdf/Mendeley_Migration_Guide_Russian.pdf

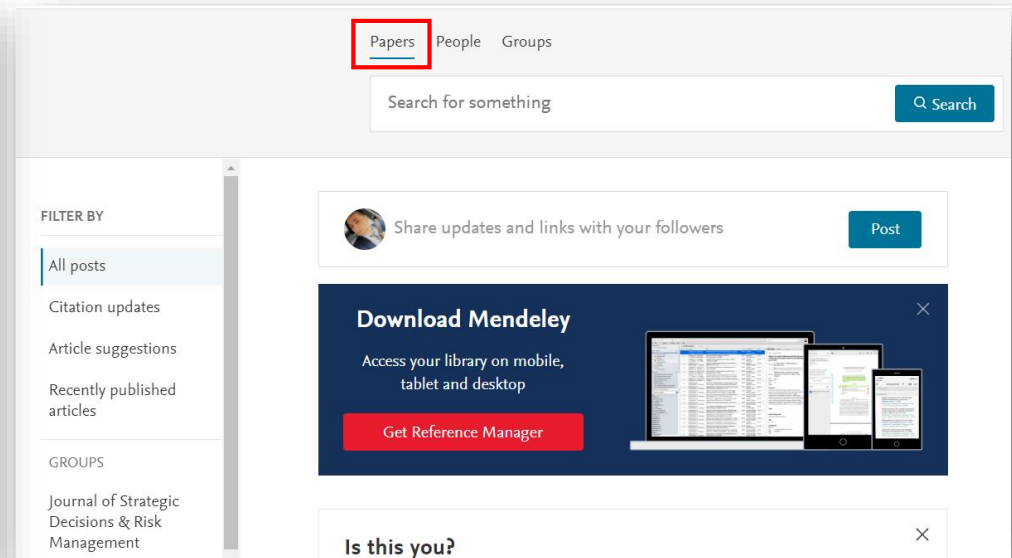
Добавление документов извне

Mendeley Web Importer



The screenshot shows the Mendeley Web Importer interface. A red box highlights the top navigation bar, which includes a search icon, a star icon, and several browser tabs. Below the navigation bar, there is a "Web Library" header with a close button. A "Choose folders or groups" button and a "Save (1)" button are visible. A checkbox labeled "Download PDFs if available" is checked. The main content area displays a list of recommended journal articles. The first article is titled "Impact of the 'Symmetric Instability of the Computational Kind' at mesoscale- and submesoscale-permitting resolutions" by Ducouso N, Le Sommer J, Molines J, Bell M. It is from the journal "Ocean Modelling" (2017, vol. 120, pp. 18-26). The article description mentions: "The energy- and enstrophy-conserving momentum advection scheme (EEN) used over the last 10 years in NEMO is subject to a".

Mendeley Research Catalog



The screenshot shows the Mendeley Research Catalog interface. A red box highlights the "Papers" tab in the top navigation bar, which also includes "People" and "Groups" tabs. Below the navigation bar, there is a search bar with the placeholder text "Search for something" and a "Search" button. The main content area is divided into several sections. On the left, there is a "FILTER BY" section with a dropdown menu set to "All posts". Below this, there are links for "Citation updates", "Article suggestions", and "Recently published articles". In the center, there is a "Share updates and links with your followers" section with a "Post" button. Below that, there is a "Download Mendeley" banner with the text "Access your library on mobile, tablet and desktop" and a "Get Reference Manager" button. On the right, there is a "Is this you?" section with a close button.



Web Importer

сохранение данных в процессе работы с веб-страницами

Mendeley Web Importer

Import papers, web pages and other documents directly into your reference library from search engines and academic databases. Mendeley Web Importer is available for all major web browsers.



Chrome Firefox Safari, IE & more



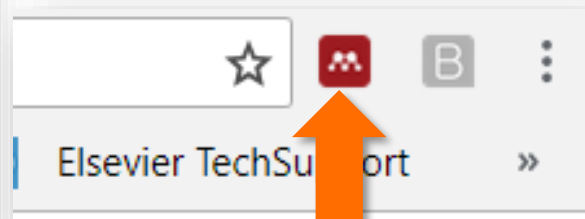
1. Install the browser extension from the Chrome Web Store

Install Chrome browser extension



2. Save articles from supported sites

Click the Chrome extension button to the right of the address bar to save an article or other document. Add your notes in the prompt popup window.



Сохраняйте записи с сайтов издателей, журналов и из баз данных

Скачайте расширение Mendeley для вашего браузера:
https://www.mendeley.com/reference-management/web-importer#id_1



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ELSEVIER

Пример использования Web Importer в Google Scholar

В найденных результатах нажмите 'Save to Mendeley' для импорта ссылок и полного текста в вашу библиотеку

Google Академия

Mendeley

Статьи

Результатов: примерно 2 640 000 (0,09 сек.)

За все время

C 2019

C 2018

C 2015

Выбрать даты

По релевантности

По дате

включать патенты

показывать цитаты

Создать оповещение

Mendeley-a last. fm for research?
[V Henning, J Reichelt](#) - 2008 IEEE Fourth International ..., 2008 - ieeexplore.ieee.org
This paper aims to explore how the principles of a well-known Web 2.0 service, the world's largest social music service" Last. fm"(www. last. fm), can be applied to research, which potential it could have in the world of research (eg an open and interdisciplinary database ...
☆ Цитируется: 106 Похожие статьи Все версии статьи (6) 🔗

F1000, Mendeley and traditional bibliometric indicators
[X Li, M Theilwall](#) - Proceedings of the 17th international conference ..., 2012 - researchgate.net
This article compares the Faculty of 1000 (F1000) quality filtering results and **Mendeley** usage data with traditional bibliometric indicators, using a sample of 1397 Genomics and Genetics articles published in 2008 selected by F1000 Faculty Members (FMs). Both ...
☆ Цитируется: 112 Похожие статьи Все версии статьи (9) 🔗

Mendeley: Creating communities of scholarly inquiry through research collaboration
[H Zaugg, RE West, I Tateishi, DL Randall](#) - TechTrends, 2011 - Springer
Mendeley is a free, web-based tool for organizing research citations and annotating their accompanying PDF articles. Adapting Web 2.0 principles for academic scholarship, **Mendeley** integrates the management of the research articles with features for collaborating ...
☆ Цитируется: 91 Похожие статьи Все версии статьи (10) 🔗

Web Library

All Choose folders or groups

Download PDFs if available

Mendeley: Creating Communities of Scholarly Inquiry Through Research Collaboration
TechTrends, 2011 [Details >](#)

Are scholarly articles disproportionately read in their own country? An analysis of mendeley readers
Theilwall M, Maffahi N
Journal of the Association for information Science and Technology, 2015 [Details >](#)

Mendeley: teaching scholarly communication and collaboration through social networking

Можете выбрать все или несколько публикаций для сохранения



Пример использования Web Importer в ScienceDirect

Ищем нужные статьи в ScienceDirect библиотеке

The screenshot shows the ScienceDirect search results page. The search query is "Impact of partial steps and momentum advection schemes". The results are filtered to 1,312 items. The first result is a research article titled "How momentum advection schemes influence current-topography interactions at eddy permitting resolution" from Ocean Modelling, Volume 29, Issue 1, 2009. The second result is "Impact of the 'Symmetric Instability of the Computational Kind' at mesoscale- and submesoscale-permitting resolution" from Ocean Modelling, Volume 120, December 2017. A "Web Library" sidebar is open on the right, showing a list of selected articles for download. An orange arrow points to the search bar area, and another orange arrow points to the "Web Library" sidebar. A third orange arrow points to the "Download PDFs if available" checkbox in the sidebar.

Можете выбрать все или несколько публикаций для сохранения



Пример использования Web Importer в Scopus

Ищем нужные статьи в базе Scopus

Scopus

Поиск Источники Оповещения Списки Помощь SciVal Maxim Filatov

1,803 результата поиска документов

Просмотреть вторичные документы Просмотр 21 результат поиска по патентам Search your library View 280 Mendeley Data

TITLE-ABS-KEY ("Ocean Modelling")

Редактировать Сохранить Настроить

Искать в результатах...

Уточнить результаты

Ограничить Исключить

Тип доступа

Open Access

Other

Год

2019

2018

2017

2016

Экспортировать настройки документа

Вы выбрали 2 документа (ов) для экспорта

Выберите способ экспорта

MENDELEY

Менеджер приставочных ссылок

Какую информацию экспортировать?

- | | | | | |
|---|---|--|--|---|
| <input type="checkbox"/> Информация о цитировании | <input type="checkbox"/> Библиографическая информация | <input type="checkbox"/> Краткое описание и ключевые слова | <input type="checkbox"/> Сведения о финансировании | <input type="checkbox"/> Прочая информация |
| <input type="checkbox"/> Автор (ы) | <input type="checkbox"/> Организации | <input type="checkbox"/> Краткое описание | <input type="checkbox"/> Число | <input type="checkbox"/> Фирменные наименования и производители |
| <input type="checkbox"/> Название документа | <input type="checkbox"/> Серийные идентификаторы (например, ISSN) | <input type="checkbox"/> Ключевые слова автора | <input type="checkbox"/> Акроним | <input type="checkbox"/> Учетные номера и химикаты |
| <input type="checkbox"/> Год | <input type="checkbox"/> Идентификатор PubMed | <input type="checkbox"/> Ключевые слова указателя | <input type="checkbox"/> Спонсор | <input type="checkbox"/> Информация о конференции |
| <input type="checkbox"/> Название источника | <input type="checkbox"/> Издатель | | <input type="checkbox"/> Текст о финансировании | <input type="checkbox"/> Включить приставочные ссылки |
| <input type="checkbox"/> том, выпуск, страницы | <input type="checkbox"/> Редактор (ы) | | | |
| <input type="checkbox"/> Количество цитирований | <input type="checkbox"/> Язык оригинального документа | | | |
| <input type="checkbox"/> Источник и тип документа | <input type="checkbox"/> Адрес для корреспонденции | | | |
| <input type="checkbox"/> DOI | <input type="checkbox"/> Сокращенное название источника | | | |

Можете выбрать все или несколько публикаций для сохранения

Отмена Экспорт



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Синхронизация вашей личной библиотеки с облаком

The screenshot displays the Mendeley Desktop application window. The interface includes a menu bar (File, Edit, View, Tools, Help), a toolbar with icons for Add, Folders, Related, Sync (highlighted with a red box), and Help. A search bar is located in the top right corner. The main area is divided into a left sidebar and a central document list.

Left Sidebar:

- Mendeley Literature Search
- My Library
 - All Documents
 - Recently Added
 - Recently Read
 - Favorites
 - Needs Review
 - My Publications
 - Unsorted
 - Maxim
 - Create Folder...
- Groups
 - Maxim closed Group
 - My publication
 - Test FA
- Filter by Authors
 - All
 - Abashidze, A.K.
 - Abashidze, Aslan Khuseinovich
 - Adcroft, Alistair
 - Arakawa, Akio
 - Arango, Hernan
 - Arkin, Phillip A.
 - Bachman, Scott
 - Bamber, Jonathan L.

Central Document List:

Authors	Title	Year	Published In	Added
Hewitt, Helene T.; Bell, Michael J.; Chassignet, Eric...	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?	2017	Ocean Modelling	8:52pm
Barham, William; Bachman, Scott; Grooms, Ian	Some effects of horizontal discretization on linear baroclinic and symmetric instabilities	2018	Ocean Modelling	8:52pm
Tsujino, Hiroyuki; Urakawa, Shogo; Nakano, Hideyuki; S...	JRA-55 based surface dataset for driving ocean-sea-ice models (JRA55-do)	2018	Ocean Modelling	8:52pm
Lin, Lei; Liu, Zhe	TVDal: Total variation diminishing scheme with alternating limiters to balance numerical compression and diffusion	2019	Ocean Modelling	8:52pm
Thuburn, J.; Ringler, T.D.; Skamarock, W.C.; Klemp, J.B.	Numerical representation of geostrophic modes on arbitrarily structured C-grids	2009	Journal of Computation...	8:52pm
Ducouso, Nicolas; Le Sommer, J.; Molines, J.-M.; ...	Impact of the "Symmetric Instability of the Computational Kind" at mesoscale- and submesoscale-permitting resolutions	2017	Ocean Modelling	8:52pm
Griffies, Stephen M.; Böning, Claus; Bryan, Frank O.; Cha...	Developments in ocean climate modelling	2000	Ocean Modelling	8:52pm
Willbrand, Jürgen; Barnier, Bernard; Böning, Claus; Die...	Circulation characteristics in three eddy-permitting models of the North Atlantic	2001	Progress in Oceanography	8:52pm
Minion, Michael L.; Brown, David L.	Performance of Under-resolved Two-Dimensional Incompressible Flow Simulations, II	1997	Journal of Computation...	8:52pm
Hallberg, Robert	Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling	1997	Journal of Computation...	8:52pm
Drikakis, Dimitris; Smolarkiewicz, Piotr K.	On Spurious Vortical Structures	2001	Journal of Computation...	8:52pm
Chassignet, Eric P; Arango, Hernan; Dietrich, David; Eze...	DAMÉE-NAB: the base experiments	2000	Dynamics of Atmospheres...	8:52pm
Bryan, Kirk	A numerical method for the study of the circulation of the world ocean	1969	Journal of Computation...	8:52pm
Hallberg, Robert; Adcroft, Alistair	Reconciling estimates of the free surface height in Lagrangian vertical coordinate ocean models with mode-split time stepping	2009	Ocean Modelling	8:52pm

Right Panel (Details):

Type: Journal Article

Some effects of horizontal discretization on linear baroclinic and symmetric instabilities

Authors: W. Barham, S. Bachman, I. Grooms

[View research catalog entry for this paper](#)

Journal: *Ocean Modelling*

Year: 2018
Volume: 125
Issue:
Pages: 106-116

Abstract:
The effects of horizontal discretization on linear baroclinic and symmetric instabilities are investigated by analyzing the behavior of the hydrostatic Eady problem in ocean models on the B and C grids. On the C grid a spurious baroclinic instability appears at small wavelengths. This instability does not disappear as the grid scale decreases; instead, it simply moves to smaller horizontal scales. The peak growth rate of the spurious instability is independent of the grid scale as the latter decreases. It is equal to c/Ri where Ri is the balanced Richardson number, f is the Coriolis parameter, and c is a nondimensional constant that depends on the Richardson number. As the Richardson number increases c increases towards an upper bound of approximately 1/2; for large Richardson numbers the spurious instability is faster than the Eady instability. To suppress the spurious instability it is recommended to use fourth-order centered tracer advection along with biharmonic viscosity and diffusion with coefficients $(\Delta x)^4/(32Ri)$ or larger where Δx is the grid scale. On the B grid, the growth rates of baroclinic and symmetric instabilities are too small, and converge upwards towards the correct values as the grid scale decreases; no spurious instabilities are observed. In B grid models at eddy-permitting resolution, the reduced growth rate of baroclinic instability may contribute to partially-resolved eddies being too weak. On the C grid the growth rate of symmetric instability is better (larger) than on the...



Поиск сведений о документе

Details Notes

Type: Journal Article

Cooperativity in protein folding: from lattice models with sidechains to real proteins.

Authors: D. Klimov, D. Thirumalai

View research catalog entry for this paper

Journal:

Year:

Volume:

Issue:

Pages:

Abstract:

Tags:

Keywords:

URL:
 <http://www.ncbi.nlm.nih.gov/pubmed/9565757>

Add URL...

Catalog IDs

ArXiv ID:

DOI:

PMID: 9565757

Files:
 Klimov, Thirumalai. 1998.pdf

Add File...

Введите DOI, PubMed или ArXiv ID и кликните на иконку с лупой

Менделеев добавляет отсутствующую информацию автоматически

Details Notes

lattice models with sidechains to real proteins.

Authors: D. Klimov, D. Thirumalai

View research catalog entry for this paper

Journal: *Folding & design*

Year: 1998

Volume: 3

Issue: 2

Pages: 127-39

Abstract:

Over the past few years novel folding mechanisms of globular proteins have been proposed using minimal lattice and off-lattice models. The factors determining the cooperativity of folding in these models and especially their explicit relation to experiments have not been fully established, however.

Tags:

Keywords:

Fibronectins; Fibronectins: chemistry; Guanidine; Guanidine: pharmacology; Hydrogen-Ion Concentration; Models; Molecular; Peptides; Peptides: chemistry; Plant Proteins; Protein Denaturation; Protein Folding; Proteins; Proteins: chemistry; Ribonucleases; Ribonucleases: che...

URL:
 <http://www.ncbi.nlm.nih.gov/pubmed/9565757>

Add URL...

Catalog IDs

ArXiv ID:

DOI: 10.1016/j.jmb.1998.05.001

PMID: 9565757 Lookup Succeeded



Организация и управление Вашей библиотекой



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Поиск сведений о документе

Открыть PDF во встроенном редакторе

Выделить избранное

Пометить как прочитанное

Создать папку

Индикатор типа прикрепленного документа (.pdf, .ppt, .docx, excel и др.)

Authors	Title	Year	Published In	Added
Hewitt, Helene T.; Bell, Michael J.; Chassignet, Eric ...	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?	2017	Ocean Modelling	8:52pm
Barham, William; Bachman, Scott; Grooms, Ian	Some effects of horizontal discretization on linear baroclinic and symmetric instabilities	2018	Ocean Modelling	8:52pm
Tsujino, Hiroyuki; Urakawa, Shogo; Nakano, Hideyuki; S...	JRA-55 based surface dataset for driving ocean-sea-ice models (JRA55-do)	2018	Ocean Modelling	8:52pm
Lin, Lei; Liu, Zhe	TVDal: Total variation diminishing scheme with alternating limiters to balance numerical compression and diffusion	2019	Ocean Modelling	8:52pm
Thuburn, J.; Ringler, T.D.; Skamarock, W.C.; Klemp, J.B.	Numerical representation of geostrophic modes on arbitrarily structured C-grids	2009	Journal of Computation...	8:52pm
Ducouso, Nicolas; Le Sommer, J.; Molines, J.-M.; ...	Impact of the "Symmetric Instability of the Computational Kind" at mesoscale- and submesoscale-permitting resolutions	2017	Ocean Modelling	8:52pm
Griffies, Stephen M.; Böning, Claus; Bryan, Frank O.; Cha...	Developments in ocean climate modelling	2000	Ocean Modelling	8:52pm
Willebrand, Jürgen; Barnier, Bernard; Böning, Claus; Die...	Circulation characteristics in three eddy-permitting models of the North Atlantic	2001	Progress in Oceanography	8:52pm
Minion, Michael L.; Brown, David L.	Performance of Under-resolved Two-Dimensional Incompressible Flow Simulations, II	1997	Journal of Computation...	8:52pm
Hallberg, Robert	Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling	1997	Journal of Computation...	8:52pm
Drikakis, Dimitris; Smolarkiewicz, Piotr K.	On Spurious Vortical Structures	2001	Journal of Computation...	8:52pm
Chassignet, Eric P; Arango, Hernan; Dietrich, David; Eze...	DAMÉE-NAB: the base experiments	2000	Dynamics of Atmospheres...	8:52pm



Поиск и работа в PDF Viewer

The screenshot shows the Mendeley Desktop application window. The title bar reads "Mendeley Desktop". The menu bar includes "File", "Edit", "View", "Go", "Tools", and "Help". The toolbar contains icons for "Select", "Pan", "Note", "Highlight", "Color", "Zoom", "Zoom To Fit", "Fullscreen", "Sync", and "Help". A search bar in the top right corner contains the text "Q - predi". Below the toolbar, a tabbed interface shows several open documents, with the active tab titled "Performance of Under-res...". The main content area displays a preview of a journal article from "Ocean Modelling" (Volume 120, 2017, pages 120-136). The article title is "Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?". The authors listed are Helene T. Hewitt, Michael J. Bell, Eric P. Chassignet, Arnaud Czaja, David Ferreira, Stephen M. Griffies, Pat Hyder, Julie L. McClean, Adrian L. New, and Malcolm J. Roberts. A floating note from "Maxim Filatov" is overlaid on the article text, containing the text "I guess it is inresting article!". The right-hand pane shows the article's details, including the journal name "Ocean Modelling", year "2017", volume "120", and pages "120-136". The abstract text is also visible in this pane.



Поиск документов в библиотеке Mendeley

The screenshot shows the Mendeley Desktop application window. At the top, there is a menu bar with 'File', 'Edit', 'View', 'Tools', and 'Help'. Below the menu bar is a toolbar with icons for 'Add', 'Folders', 'Related', 'Sync', and 'Help'. On the right side of the toolbar, there is a search bar containing the text 'predic', which is highlighted with a red box. Below the toolbar, there are several open document windows, including 'My Library', 'Will high-resolution global ...', 'Numerical representation ...', and 'Performance of Under-res...'. The main area of the application is divided into a left sidebar and a main content area. The sidebar contains a 'Mendeley Literature Search' section and a 'My Library' section with various filters like 'All Documents', 'Recently Added', 'Recently Read', 'Favorites', 'Needs Review', 'My Publications', 'Unsorted', and 'Maxim'. The main content area shows search results for 'predic' in 'All Documents'. The results are listed in a table with columns for 'Search Results', 'Title', 'Author', and 'Abstract'. The first result is 'Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?' by Helene T. Hewitt, MJ Bell, and EP Chassignet, published in 2017. The second result is 'CHANNEL WAVES AS A TOOL OF APPLIED GEOPHYSICS IN COAL MINING' by Theodore C. Krey, published in 1963. The third result is 'Developments in ocean climate modelling' by Stephen M. Griffies, C Böning, and FO Bryan, published in 2000. The fourth result is 'Some effects of horizontal discretization on linear baroclinic and symmetric instabilities' by William Barham, S Bachman, and IGrooms, published in 2018. The fifth result is 'Numerical representation of geostrophic modes on arbitrarily structured C-grids' by J. Thuburn, T Ringler, and W Skamarock, published in 2009. The sixth result is 'Circulation characteristics in three eddy-permitting models of the North Atlantic' by Jürgen Willebrand, B Barnier, and C Böning, published in 2001. The seventh result is 'Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling' by Robert Hallberg, published in 1997. The eighth result is 'On Spurious Vortical Structures' by Dimitris Drikakis and PK Smolarkiewicz, published in 2001. The ninth result is 'DAMÉE-IAB: the base experiments' by Eric P Chassignet, H Arango, and D Dietrich, published in 2000. The right side of the main content area is currently empty, displaying the text 'No documents selected'.

Mendeley Desktop

File Edit View Tools Help

Add Folders Related Sync Help

My Library Will high-resolution global ... Numerical representation ... Performance of Under-res...

Mendeley Literature Search

My Library

All Documents Recently Added Recently Read Favorites Needs Review My Publications Unsorted Maxim Create Folder...

Groups

Maxim closed Group My publication Test EA

Filter by Authors

All

Abashidze, A.K. Abashidze, Aslan Khuseinovich Adcroft, Alistair Arakawa, Akio

All Documents Edit Settings

Results for "predic" in "All Documents" Clear

Search Results

Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?
Helene T. Hewitt; MJ Bell; EP Chassignet... - 2017 - Ocean Modelling
Abstract: ...atmospheric simulations; and from coupled predictions. Impacts of the mesoscale ocean ...
...models bene fit coupled predictions on short-range to climate timescales? Helene ...

CHANNEL WAVES AS A TOOL OF APPLIED GEOPHYSICS IN COAL MINING
Theodore C. Krey - 1963 - GEOPHYSICS
Abstract: ...It is practically impossible to predict such faults from geophysical surveys on the ...

Developments in ocean climate modelling
Stephen M. Griffies; C Böning; FO Bry... - 2000 - Ocean Modelling
Abstract: ...low frequency climate simulations and predictions. It is written primarily to an ...
...low frequency climate simulations and predictions. It is written primarily to an ...

Some effects of horizontal discretization on linear baroclinic and symmetric instabilities
William Barham; S Bachman; IGrooms - 2018 - Ocean Modelling

Numerical representation of geostrophic modes on arbitrarily structured C-grids
J. Thuburn; T Ringler; W Skamarock; J... - 2009 - Journal of Computational Physics

Circulation characteristics in three eddy-permitting models of the North Atlantic
Jürgen Willebrand; B Barnier; C Böning... - 2001 - Progress in Oceanography

Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling
Robert Hallberg - 1997 - Journal of Computational Physics

On Spurious Vortical Structures
Dimitris Drikakis; PK Smolarkiewicz - 2001 - Journal of Computational Physics

DAMÉE-IAB: the base experiments
Eric P Chassignet; H Arango; D Dietri... - 2000 - Dynamics of Atmospheres and Oceans

No documents selected



Использование Тэгов(Tags) в Mendeley

The screenshot shows the Mendeley Desktop application window. The main area displays a list of documents filtered by the tag 'project2'. The list includes the following entries:

★	📄	👤	Authors	Title	Year	Published In	Added
★	📄	👤	Hewitt, Helene T.; Bell, Michael J.; Chassignet, Eric ...	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?	2017	Ocean Modelling	8:52pm
★	📄	👤	Willebrand, Jürgen; Barnier, Bernard; Böning, Claus; Die...	Circulation characteristics in three eddy-permitting models of the North Atlantic	2001	Progress in Oceanography	8:52pm
★	📄	👤	Minion, Michael L.; Brown, David L.	Performance of Under-resolved Two-Dimensional Incompressible Flow Simulations, II	1997	Journal of Computation...	8:52pm
★	📄	👤	Le Sommer, Julien; Penduff, Thierry; Theetten, Sébastie...	How momentum advection schemes influence current-topography interactions at eddy permitting resolution	2009	Ocean Modelling	8:51pm

The right-hand pane shows the details for the selected document:

Type: Journal Article

Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?

Authors: H. Hewitt, M. Bell, E. Chassignet et al.

Journal: *Ocean Modelling*

Year: 2017

Volume: 120

Issue:

Pages: 120-136

Abstract:

As the importance of the ocean in the weather and climate system is increasingly recognised, operational systems are now moving towards coupled prediction not only for seasonal to climate timescales but also for short-range forecasts. A three-way tension exists between the allocation of computing resources to refine model resolution, the expansion of model complexity/capability, and the increase of ensemble size. Here we review evidence for the benefits of increased ocean resolution in global coupled models, where the ocean component explicitly represents transient mesoscale eddies and narrow boundary currents. We consider lessons learned from forced ocean/sea-ice simulations; from studies concerning the SST resolution required to impact atmospheric simulations; and from coupled predictions. Impacts of the mesoscale ocean in western boundary current regions on the large-scale atmospheric state have been identified. Understanding of air-sea feedback in western boundary currents is modifying our view of the dynamics in these key regions. It remains unclear whether variability associated with open ocean mesoscale eddies is equally important to the large-scale atmospheric state. We include a discussion of what processes can presently be parameterised in coupled models with coarse resolution non-eddy ocean models, and where parameterizations may fall short. We discuss the benefits of resolution and identify gaps in the current literature that leave important questi...

Tags:
Project2



Возможность переименовать документы

The screenshot displays the Mendeley Desktop interface. The main window shows a list of documents under the 'All Documents' tab, filtered by the tag 'project2'. The table columns are Authors, Title, Year, Published In, and Added. A 'Rename Document Files' dialog box is open in the foreground, showing the 'Unused fields' as 'Journal' and the 'File name' as '2017 - Hewitt et al. - Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales.pdf'. The dialog also includes an 'Example' section and 'OK' and 'Cancel' buttons.

Authors	Title	Year	Published In	Added
Hewitt, Helene T.; Bell, Michael J.; Chassignet, Eric...	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?	2017	Ocean Modelling	8:52pm
Barham, William; Bachman, Scott; Grooms, Ian	Some effects of horizontal discretization on linear baroclinic and symmetric instabilities	2018	Ocean Modelling	8:52pm
Tsujino, Hiroyuki; Urakawa, Shogo; Nakano, Hideyuki; ...	JRA-55 based surface dataset for driving ocean-sea-ice models (JRA55-do)	2018	Ocean Modelling	8:52pm
Lin, Lei; Liu, Zhe	TVDal: Total variation diminishing scheme with alternating	2019	Ocean	8:52pm
Thuburn, J.; Ringler, T.; Skamarock, W.C.; Klemm	Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling	1997	Journal of Computation...	8:52pm
Ducouso, Nicolas; Le Sommer, J.; Molines, J.	On Spurious Vortical Structures	2001	Journal of Computation...	8:52pm
Griffies, Stephen M.; Böning, Claus; Bryan, Frank O.;	DAMÉE-NAB: the base experiments	2000	Dynamics of Atmosphere...	8:52pm
Willebrand, Jürgen; Barber, David L.	A numerical method for the study of the circulation of the world ocean	1969	Journal of Computation...	8:52pm
Minion, Michael L.; Brown	Reconciling estimates of the free surface height in Lagrangian vertical coordinate ocean models with mode-split time stepp...	2009	Ocean Modelling	8:52pm
Hallberg, Robert	Poisson-Bracket Approach to the Construction of Energy- and	2004	Journal of the	8:52pm

Details | Notes | Contents

Type: Journal Article

Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?

Authors: H. Hewitt, M. Bell, E. Chassignet et al.

View research catalog entry for this paper

er and climate system is increasingly recognised, is coupled prediction not only for seasonal to climate. A three-way tension exists between the allocation lution, the expansion of model complexity/capability, review evidence for the benefits of increased ocean

resolution in global coupled models, where the ocean component explicitly represents transient mesoscale eddies and narrow boundary currents. We consider lessons learned from forced ocean/sea-ice simulations; from studies concerning the SST resolution required to impact atmospheric simulations; and from coupled predictions. Impacts of the mesoscale ocean in western boundary current regions on the large-scale atmospheric state have been identified. Understanding of air-sea feedback in western boundary currents is modifying our view of the dynamics in these key regions. It remains unclear whether variability associated with open ocean mesoscale eddies is equally important to the large-scale atmospheric state. We include a discussion of what processes can presently be parameterised in coupled models with coarse resolution non-eddying ocean models, and where parameterizations may fall short. We discuss the benefits of resolution and identify gaps in the current literature that leave important questi...

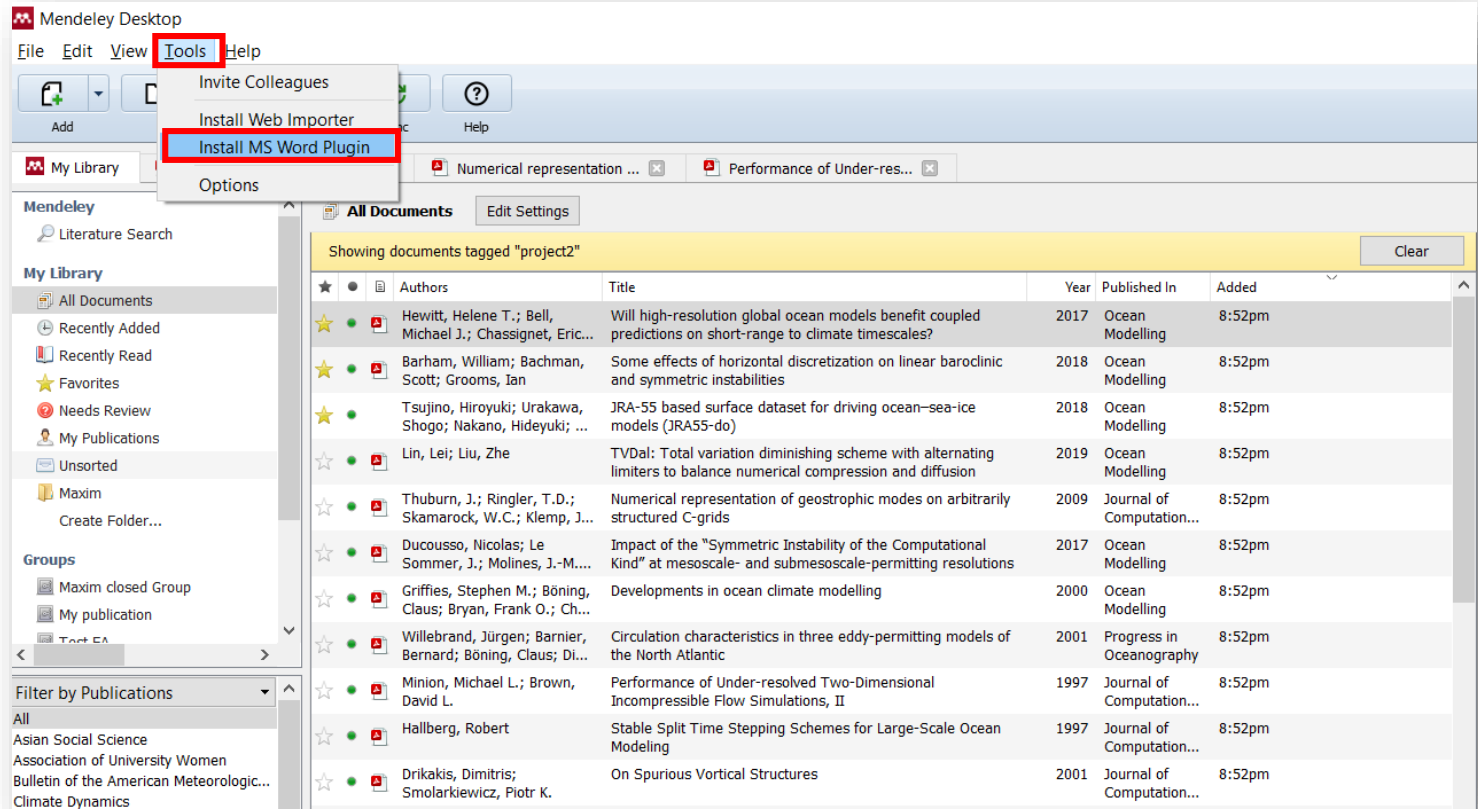
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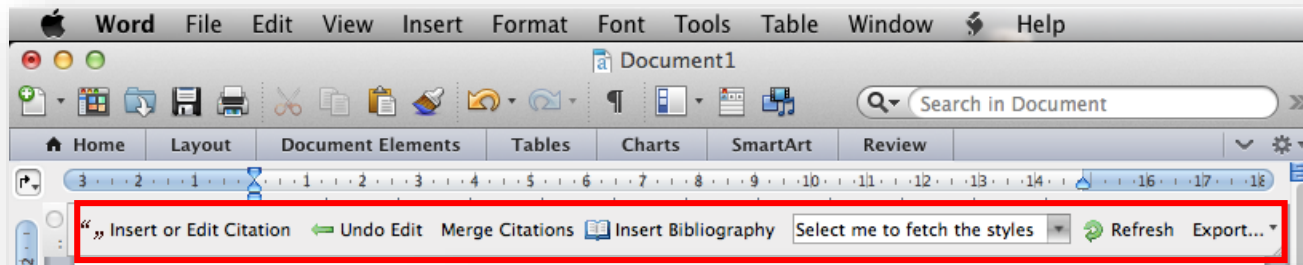


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★	📄	📄	Authors	Title	Year	Published In	Added
★	📄	📄	Hewitt, Helene T.; Bell, Michael J.; Chassignet, Eric...	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?	2017	Ocean Modelling	8:52pm
★	📄	📄	Barham, William; Bachman, Scott; Grooms, Ian	Some effects of horizontal discretization on linear baroclinic and symmetric instabilities	2018	Ocean Modelling	8:52pm
★	📄	📄	Tsujino, Hiroyuki; Urakawa, Shogo; Nakano, Hideyuki; ...	JRA-55 based surface dataset for driving ocean-sea-ice models (JRA55-do)	2018	Ocean Modelling	8:52pm
☆	📄	📄	Lin, Lei; Liu, Zhe	TVDal: Total variation diminishing scheme with alternating limiters to balance numerical compression and diffusion	2019	Ocean Modelling	8:52pm
☆	📄	📄	Thuburn, J.; Ringler, T.D.; Skamarock, W.C.; Klemp, J...	Numerical representation of geostrophic modes on arbitrarily structured C-grids	2009	Journal of Computation...	8:52pm
☆	📄	📄	Ducouso, Nicolas; Le Sommer, J.; Molines, J.-M....	Impact of the "Symmetric Instability of the Computational Kind" at mesoscale- and submesoscale-permitting resolutions	2017	Ocean Modelling	8:52pm
☆	📄	📄	Griffies, Stephen M.; Böning, Claus; Bryan, Frank O.; Ch...	Developments in ocean climate modelling	2000	Ocean Modelling	8:52pm
☆	📄	📄	Willebrand, Jürgen; Barnier, Bernard; Böning, Claus; Di...	Circulation characteristics in three eddy-permitting models of the North Atlantic	2001	Progress in Oceanography	8:52pm
☆	📄	📄	Minion, Michael L.; Brown, David L.	Performance of Under-resolved Two-Dimensional Incompressible Flow Simulations, II	1997	Journal of Computation...	8:52pm
☆	📄	📄	Hallberg, Robert	Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling	1997	Journal of Computation...	8:52pm
☆	📄	📄	Drikakis, Dimitris; Smolarkiewicz, Piotr K.	On Spurious Vortical Structures	2001	Journal of Computation...	8:52pm

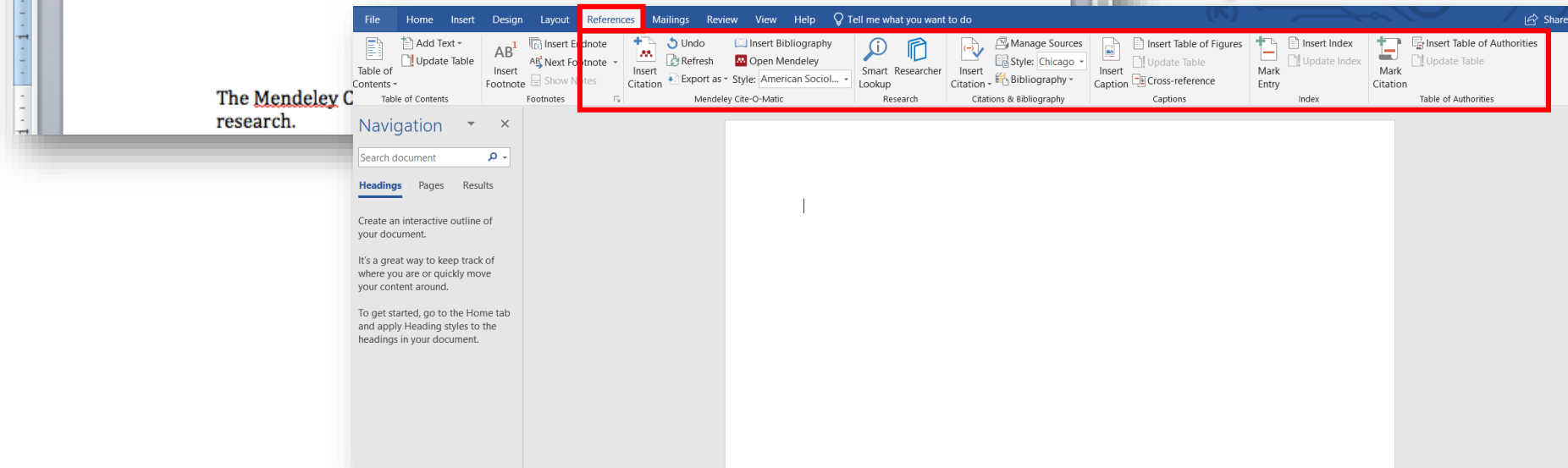


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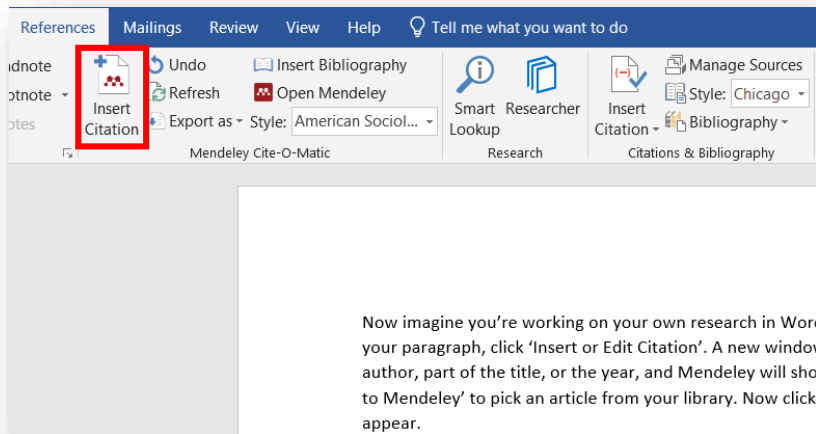


Mac OS

Windows OS



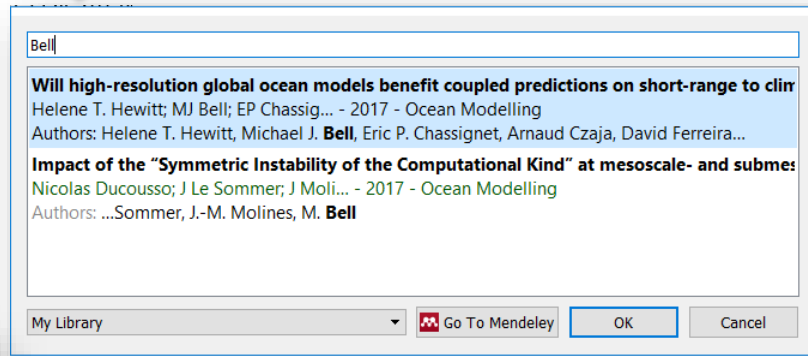
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Abashidze, Aslan Khuseinovich, Denis Andreevich Gugunskiy, Aleksandra Evgen'evna Koneva, Mariya Aleksandrovna Simonova, and Aleksandr Mikhailovich Solntsev, 'Current Problems of Interstate Cooperation of Russian Federation for the Protection of Children in Case of Disputes between Parents Living in Different States', *Asian Social Science*, 2015
<<https://doi.org/10.5539/ass.v11n14p337>>

Hewitt, Helene T., Michael J. Bell, Eric P. Chassignet, Arnaud Czaja, David Ferreira, Stephen M. Griffies, and others, 'Will High-Resolution Global Ocean Models Benefit Coupled Predictions on Short-Range to Climate Timescales?', *Ocean Modelling*, 120 (2017), 120–36
<<https://doi.org/10.1016/j.ocemod.2017.11.002>>

Hill, Catherine, Christianne Corbett, and Andresse St Rose, *Why So Few? Women in Science, Technology, Engineering, and Mathematics, Association of University Women*, 2010
<<https://doi.org/10.1002/sce.21007>>



Выбор стиля для ссылок и библиографии

The image shows the Microsoft Word interface with the References ribbon selected. The 'Style: Modern Humanities...' dropdown menu is highlighted with a red box. Below it, a list of citation styles is visible, including 'Modern Humanities Research Association 3rd edition (note with bibliography)'. To the right, the 'Citation Styles' dialog box is open, also highlighted with a red box. It shows a search for 'GOST' and lists three results: 'Russian GOST R 7.0.5-2008 (Russian)', 'Russian GOST R 7.0.5-2008 (numeric)', and 'Russian GOST R 7.0.5-2008 (numeric, sorted alphabetically, Russian)'. The 'Download Style' field is empty, and the 'Download' button is visible.

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Modern Language Association 8th edition
Nature
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More Styles...

will appear.²⁹⁵

==== Bibliography =====

Abashidze, Aslan Khuseinovich, Denis Andreevich Gugunskiy, Aleks Aleksandrovna Simonova, and Aleksandr Mikhailovich Solntse Cooperation of Russian Federation for the Protection of Child Parents Living in Different States', *Asian Social Science*, 2015 <<https://doi.org/10.5539/ass.v11n14p337>>

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Q GOST

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Mendeley как социальная сеть. Работа в группах



Установить контакт с коллегами

The screenshot shows a search interface on a research platform. At the top, there are navigation links: Feed, Library, Suggest, Groups, Datasets, Careers, Funding, Search, and a user profile for Maxim. Below the navigation is a search bar with the text 'Sergey' and a 'Search' button. The search results are displayed in a list format, showing the first four results: Loshkaryov Sergey, Kovelonov Sergey, Nadia Sergey, and Grishin Sergey. Each result includes a circular profile picture with initials, the name, and a 'Follow' button. The 'Grishin Sergey' entry also includes the affiliation 'Rossijskij ekonomiceskij universitet imeni G V Plehanova'. A red box highlights the search bar and the 'People' tab. An orange arrow points from the text on the left to the 'Grishin Sergey' entry.

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LS Follow

Kovelonov Sergey
KS Follow

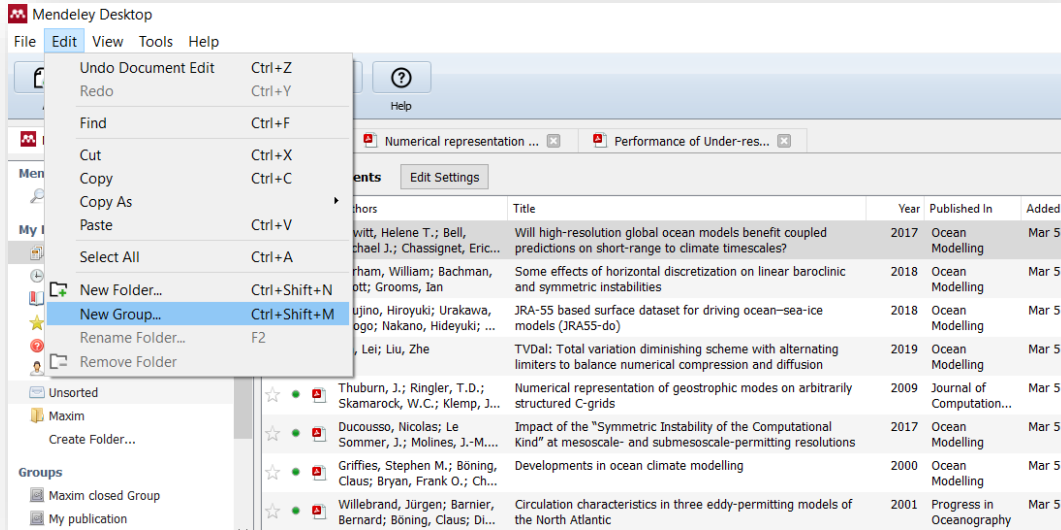
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NS Follow

Grishin Sergey
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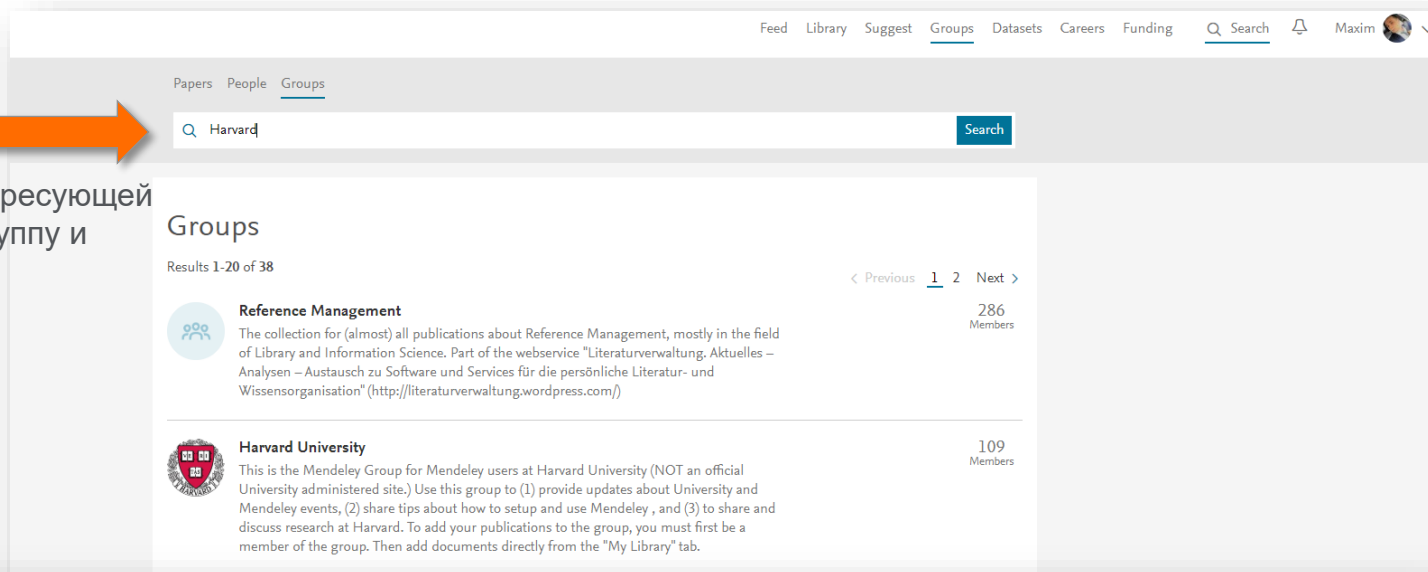


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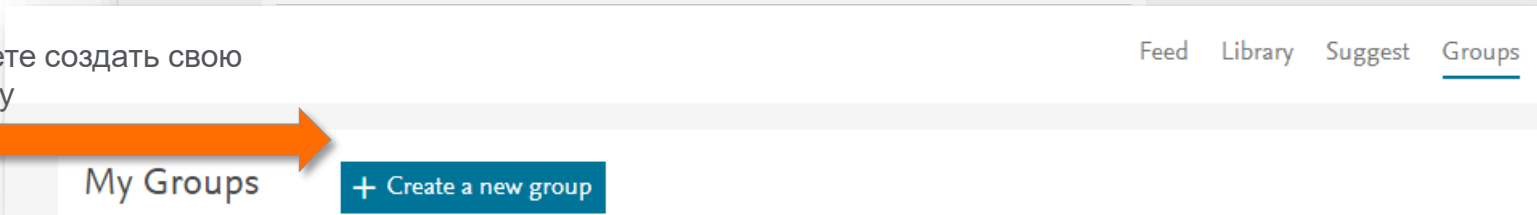
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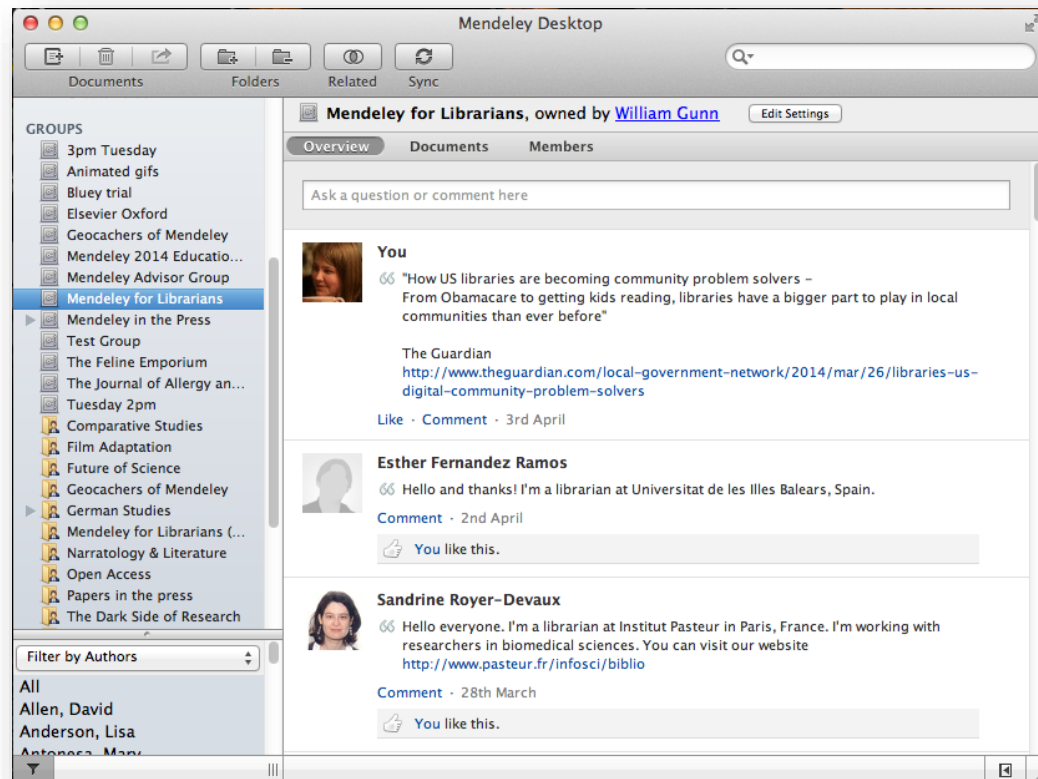


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My Groups + Create a new group



Отслеживание активности группы



The screenshot shows the Mendeley Desktop application window. The title bar reads "Mendeley Desktop". Below the title bar are navigation buttons for "Documents", "Folders", "Related", and "Sync", along with a search bar. The main content area is titled "Mendeley for Librarians, owned by William Gunn" and includes an "Edit Settings" button. Below this, there are tabs for "Overview", "Documents", and "Members". A text input field prompts the user to "Ask a question or comment here". The main feed displays three posts:

- You**: A quote from The Guardian: "How US libraries are becoming community problem solvers - From Obamacare to getting kids reading, libraries have a bigger part to play in local communities than ever before". Includes a link to <http://www.theguardian.com/local-government-network/2014/mar/26/libraries--digital-community-problem-solvers> and interaction options: "Like · Comment · 3rd April".
- Esther Fernandez Ramos**: A comment: "Hello and thanks! I'm a librarian at Universitat de les Illes Balears, Spain." Includes interaction options: "Comment · 2nd April" and "You like this.".
- Sandrine Royer-Devaux**: A comment: "Hello everyone. I'm a librarian at Institut Pasteur in Paris, France. I'm working with researchers in biomedical sciences. You can visit our website <http://www.pasteur.fr/infosci/biblio>". Includes interaction options: "Comment · 28th March" and "You like this.".

The left sidebar shows a list of groups, with "Mendeley for Librarians" selected. Below the list is a "Filter by Authors" dropdown menu showing "All", "Allen, David", "Anderson, Lisa", and "Antonescu, Mary".



Взаимодействуйте с вашими коллегами

The screenshot shows the Mendeley Desktop application window. The title bar reads "Mendeley Desktop". Below the title bar is a toolbar with icons for Pan, Highlight, Note, Select, Copy, Paste, Rotate, Zoom, Fullscreen, and Sync. The main window is divided into two panes. The left pane displays a document titled "A game for smokers: a preliminary naturalistic trial in a psychiatric hospital". The document content includes the title, authors (Yasser Khaazaal, Anne Chatton, Roberto Prezzemolo, Aliosca Hoch, Jacques Cornuz, Daniele Zullino), affiliations, and abstract. The right pane shows a list of notes. The first note is dated 05/04/11 5:50 PM and contains the text "interesting separating parts of the abstract...". The second note is dated 06/04/11 5:46 PM and contains the text "feasibility of game toward behavior change...". An orange arrow points from the text on the right towards the second note in the right pane.

Short communication

A game for smokers: A preliminary naturalistic trial in a psychiatric hospital

Yasser Khaazaal^{a,*}, Anne Chatton^a, Roberto Prezzemolo^a, Aliosca Hoch^a, Jacques Cornuz^b, Daniele Zullino^a

^a Division of Substance Abuse, University Hospitals of Geneva, Switzerland
^b Department of Ambulatory Care and Community Medicine, University Hospital, Lausanne, Switzerland

Received 5 June 2007; received in revised form 4 October 2007; accepted 8 October 2007

Abstract

Objective: "Pick-Klop" is a game based on cognitive behavioral therapy. It aims to change smokers' attitudes towards tobacco addiction. This study tests the feasibility and the impact of one brief session of the intervention in a naturalistic setting within a psychiatric hospital.

Method: Fifty-one smokers were recruited during their stay in a psychiatric hospital with a prohibitive smoking policy. They were assessed pre- and post-treatment with visual analogue scales designed to evaluate their intention to stop smoking.

Results: All patients completed the intervention. The outcome shows that the intention to stop smoking becomes significantly stronger after the intervention.

Conclusion: This pilot study supports the feasibility and the effectiveness of the "Pick-Klop" game in a psychiatric hospital setting. The game seems to improve the intention to quit smoking. The data, however, should be confirmed by a controlled trial. Moreover, follow-up studies are needed to examine the potential impact of the game on smoking cessation attempts.

Practical implications: The game seems to be a useful and simple tool for education about smoking in a psychiatric hospital setting.

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Keywords: Smoking; Smoking cessation; Cognitive behavior therapy; Motivational interviewing; Psychiatric hospital; Prohibitive smoking policy

1. Introduction

Smoking is the first avoidable cause of morbidity and mortality [1]. Most smoking cessation attempts are made without any help [2].

Despite the efficacy of nicotine substitutes [3], bupropion [4] and some behavioral approaches [5], these treatments are used only by a minority of smokers [6,7]. This is probably due to the

sufficient to induce behavioral changes [9]. Positive attitudes towards giving up nicotine addiction, however, are linked to a greater willingness to stop smoking [10].

In the transtheoretical model of behavioral change, a re-evaluation of the advantages and disadvantages of nicotine addiction and cessation enable smokers to evolve within the motivational process [11].

The notion of "self-efficacy" [12] corresponds to the trust

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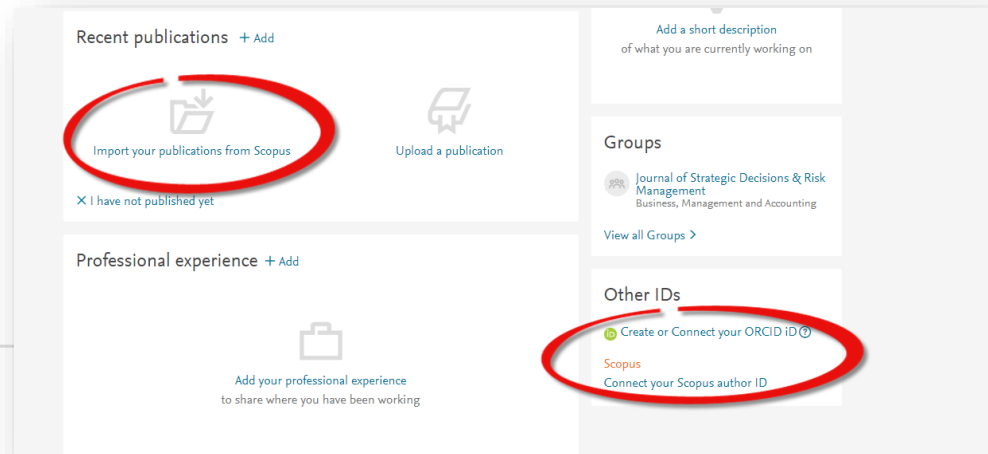
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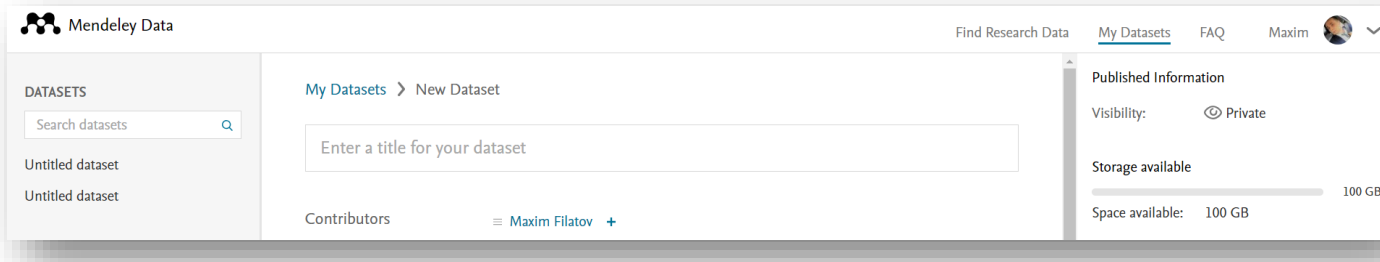
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