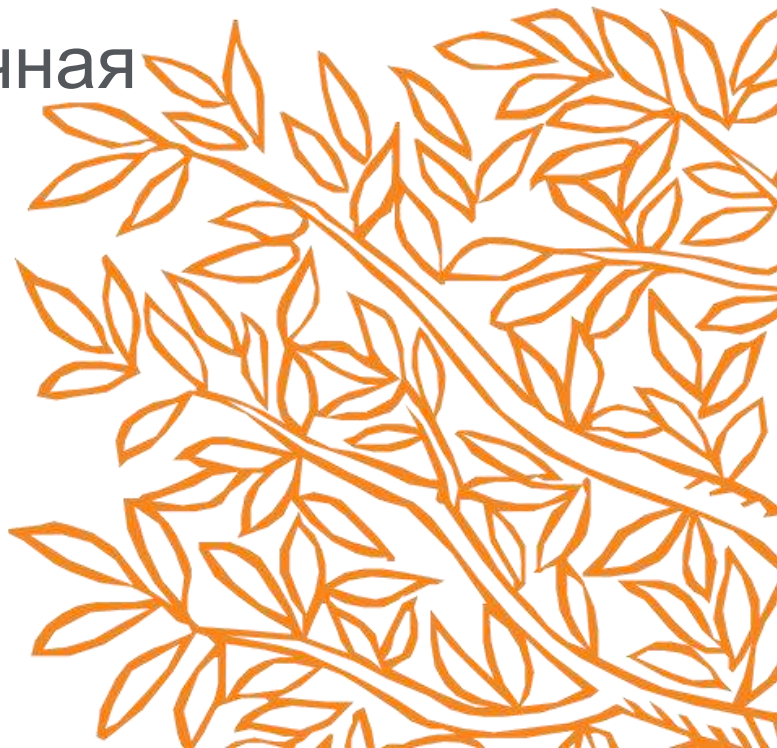




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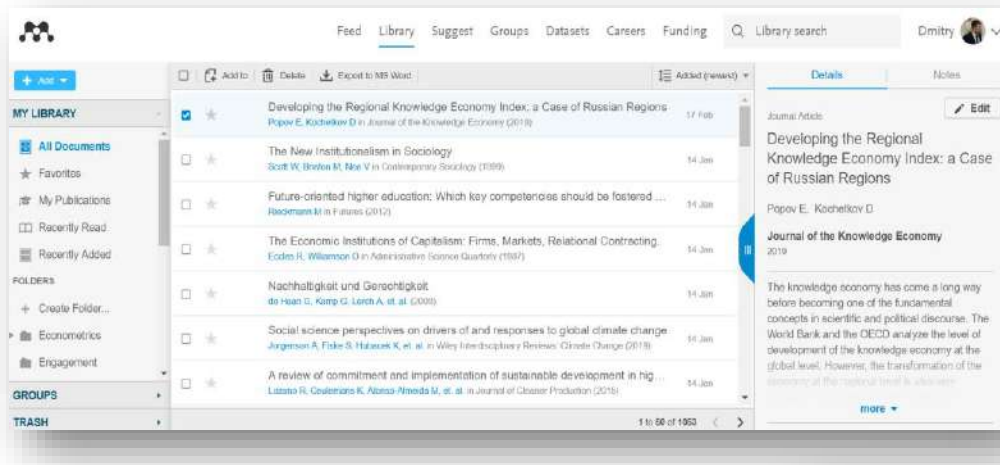


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Ocean Dynamics

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.^h, Talandier, C.^b, Theetten, S.^c, Maltrud, M.ⁱ, McClean, J.^j, De Cuevas, B.^k

^aLaboratoire des Écoulements 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

Просмотр приставных ссылок (66)

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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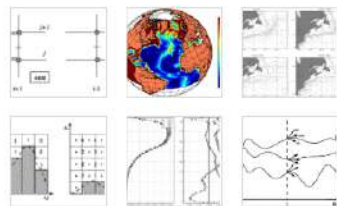
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Figures (14)



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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, Gervan 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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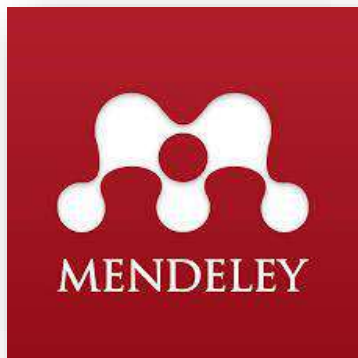
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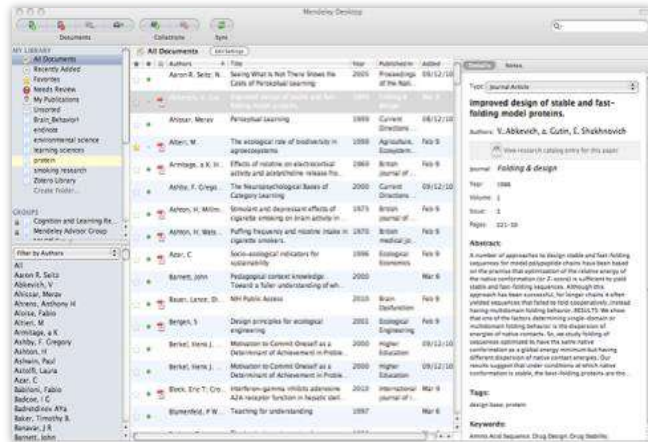
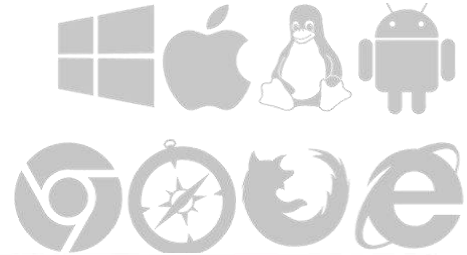
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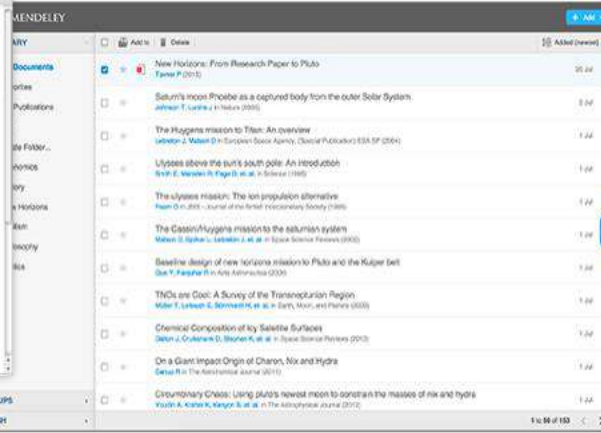


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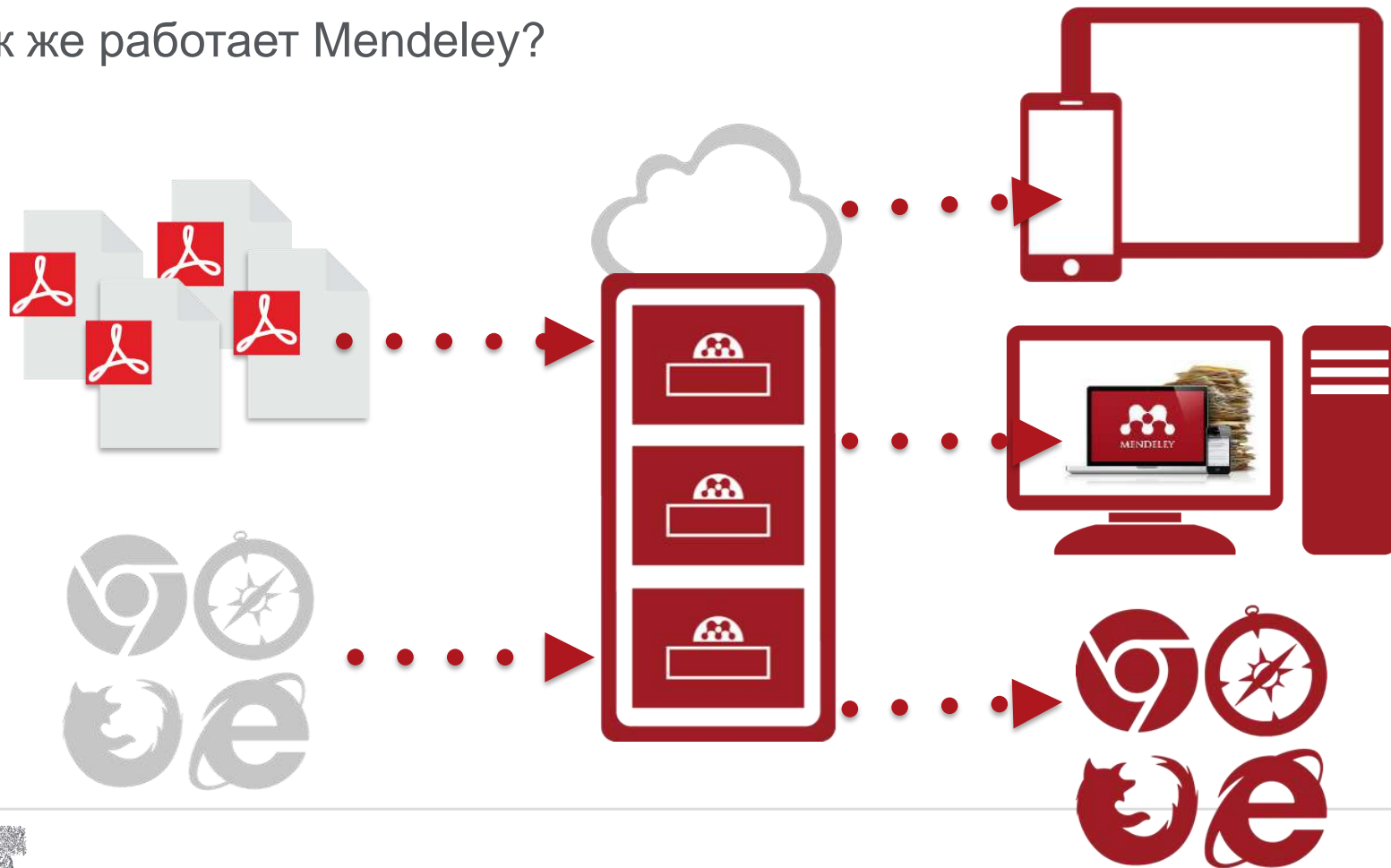
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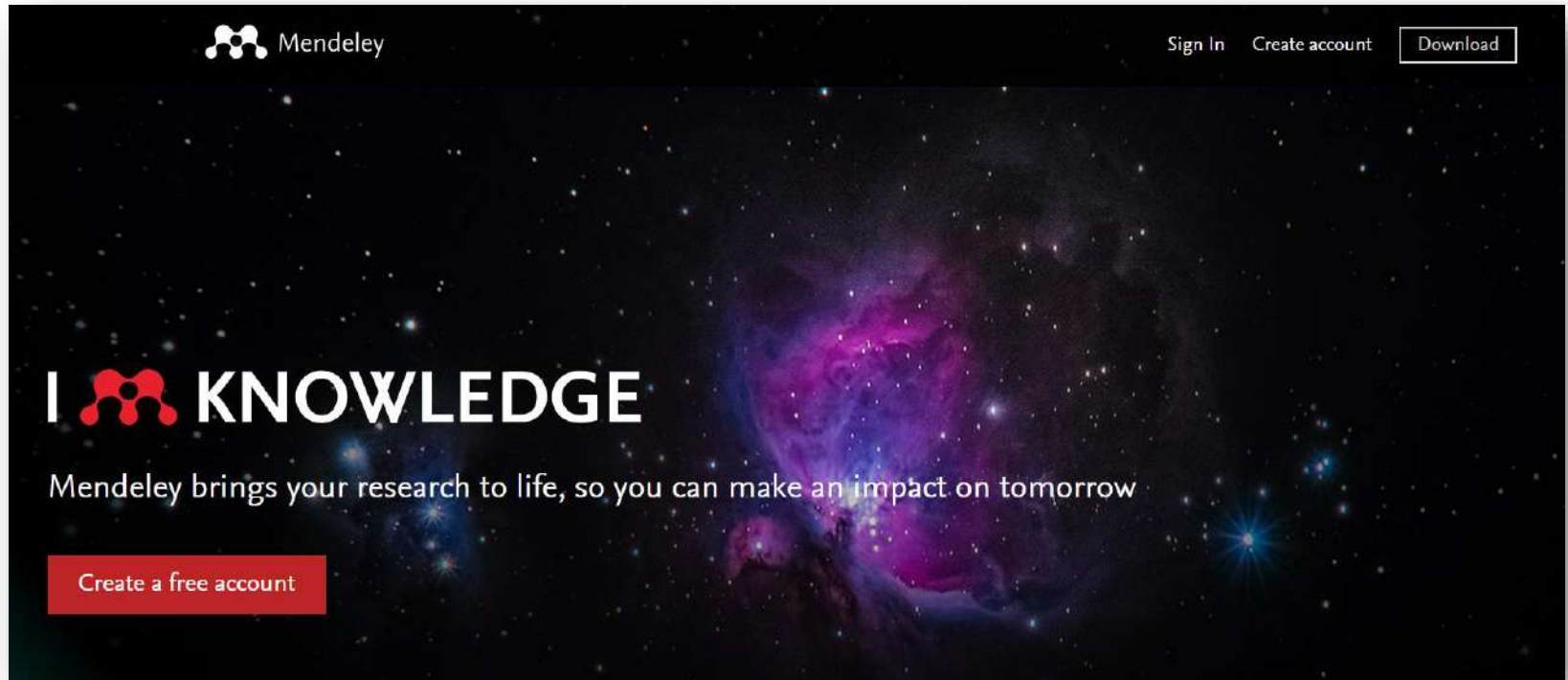
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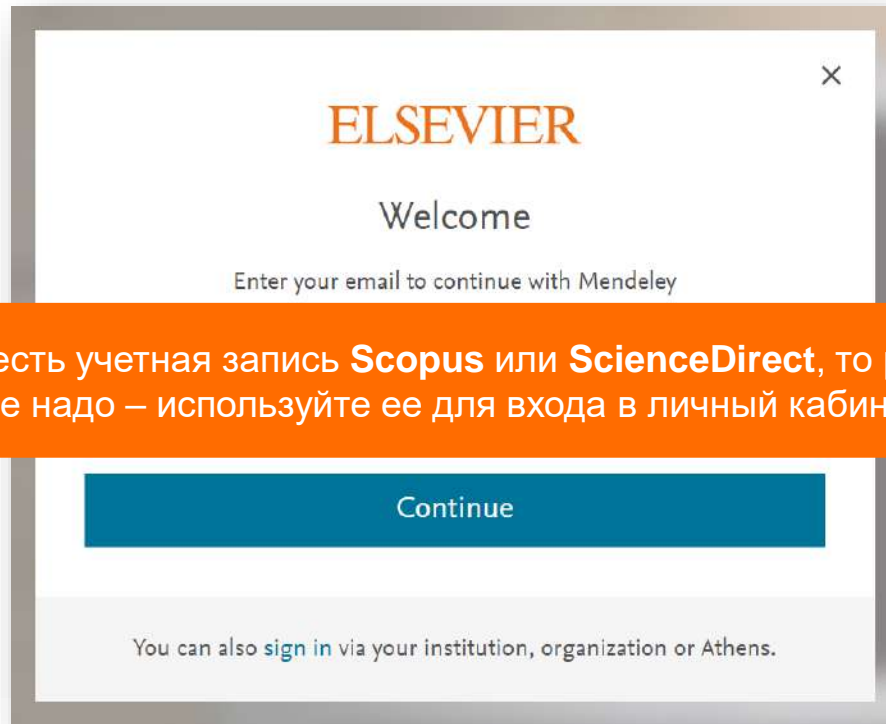
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The screenshot shows the Mendeley web interface. The top navigation bar includes 'Feed', 'Library', 'Suggest', 'Groups', 'Datasets', 'Careers', 'Funding', and a search bar labeled 'Library search'. The user's name 'Maxim' is visible in the top right corner. Below the navigation bar is a toolbar with 'Add to', 'Delete', and 'Export to MS Word' options. The main content area displays a list of articles, including 'New engla nd journal', 'Test Article', 'RSCM technology for developing runtime-reconfigurable tele...', 'Why So Few? Women in Science, Technology, Engineering...', 'Effects of Small-Group Learning on Undergraduates in Scler...', 'SET for success: The supply of people with science , techno...', 'Asian social science.', 'Current problems of interstate cooperation of Russian federa...', and 'Current issues of application of Hague Child Protection Conv...'. On the right side, a user profile menu is open, showing 'Profile', 'Settings & privacy', and a yellow 'Download Mendeley' button. An orange arrow points from this button to a separate window titled 'Download Mendeley Desktop for Windows'. This window features a laptop icon with a Windows logo, a 'Download Mendeley Desktop for Windows' button, and text indicating compatibility with 'Windows 7, 8.1 and 10 (Version 1803)'. It also provides links for 'See release notes.' and 'Other systems:' with icons for 'Mendeley Desktop for macOS' and 'Mendeley Desktop for Linux'.



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Authors: N. Ducousso, J. Le Sommer, J. Molines et al.

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Journal: *Ocean Modelling*

Year: 2017

Volume: 120

Issue:

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. (1983), 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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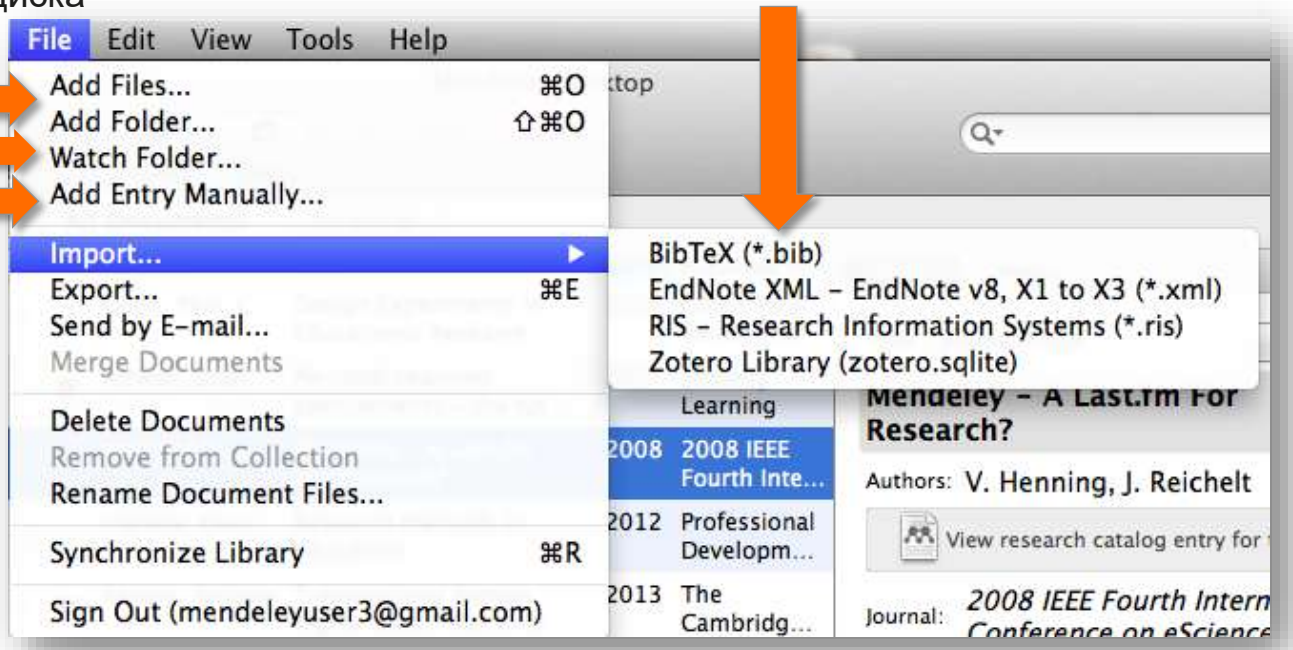
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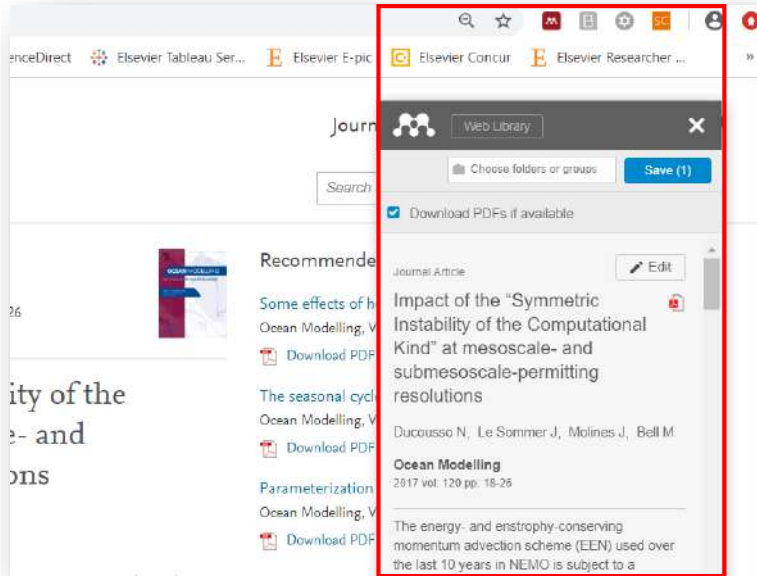
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Инструкция по переносу данных в Mendeley:

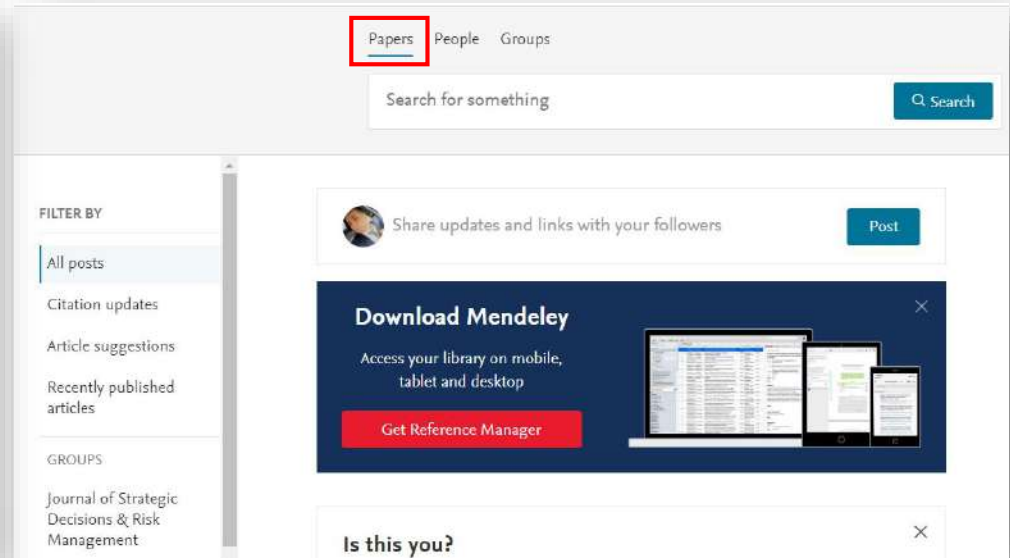
http://elsevierscience.ru/files/pdf/Mendeley_Migration_Guide_Russian.pdf

Добавление документов извне

Mendeley Web Importer

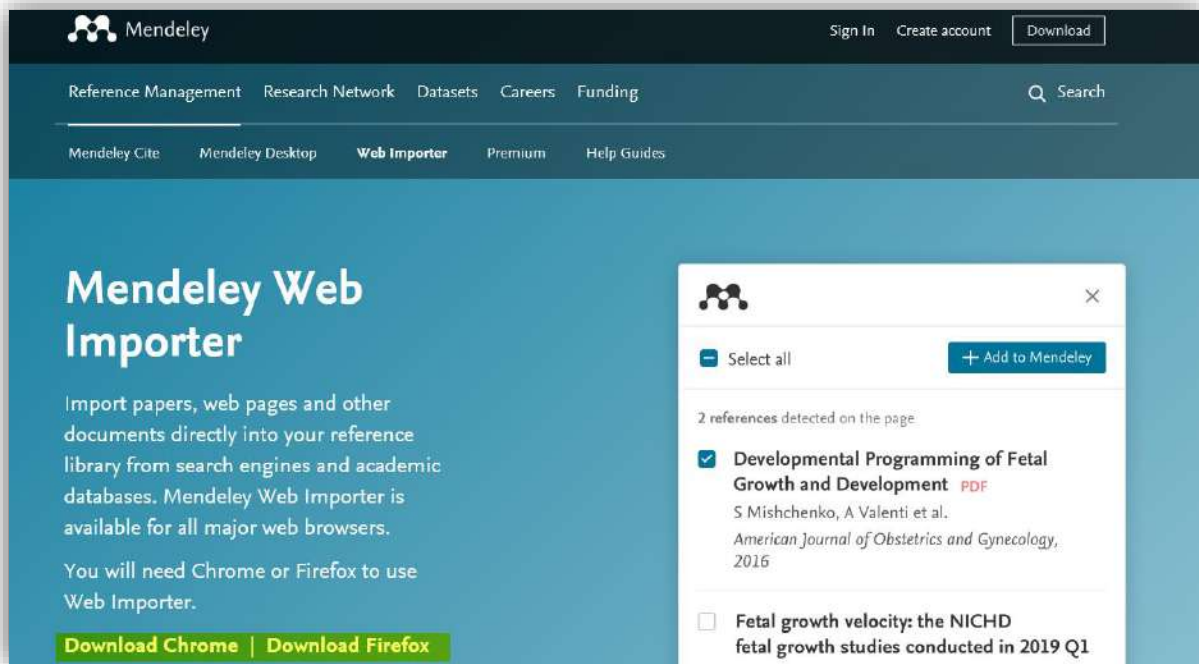


Mendeley Research Catalog



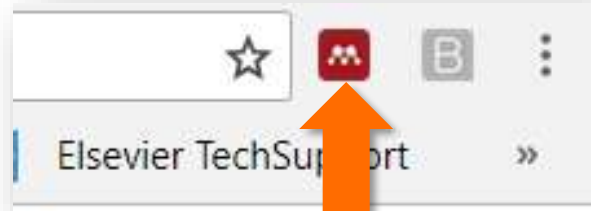
Web Importer

сохранение данных в процессе работы с веб-страницами



Скачайте расширение Mendeley для вашего браузера:

https://www.mendeley.com/reference-management/web-importer#id_1



Сохраняйте записи с сайтов издателей, журналов и из баз данных



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Пример использования Web Importer в Google Scholar

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

The screenshot shows a Google Scholar search for "mendeley guide". The search results list several articles, each with a "Save to Mendeley" button. A "Web Importer" dialog box is open on the right side of the screen, showing a list of selected items for import into a library named "My library". The dialog box includes a "Select all" checkbox, a dropdown menu for the library name, and an "Add" button. The list of items includes:

- Human fronto-mesolimbic networks guide decisions about charitable donation PDF Jorge Moll, Frank Krueger et al. Proceedings of the National Academy of Sciences of the United States of America, 103, 42, 10 2006 View PDF
- A clinician's guide to tissue doppler imaging PDF Carolyn Y. Ho, Scott D. Solomon Circulation, 113, 10, 3 2006 View PDF
- A practical guide for the determination of binding constants K Hirose - Journal of inclusion phenomena and macrocyclic, undefined 2001 Springer

At the bottom of the dialog box, there is a "Maxim" button and a "View Library ..." link.

Можете выбрать все или несколько публикаций для сохранения

Пример использования Web Importer в ScienceDirect

Ищем нужные статьи в ScienceDirect библиотеке



ScienceDirect

Impact of partial steps and m Author name Journal/book title Volume Issue Pages

1,312 results

Refine by:

Years

2019 (58)

2018 (119)

2017 (106)

Show more

Article type

Download selected articles Export

Research article Full text access

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

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

Julien Le Sommer, Thierry Penduff, Sébastien Theetten, Gurvan Maceo, Bernard Barnier

Download PDF Abstract Export

Research article Full text access

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

Ocean Modelling, Volume 120, December 2017, Pages 18-26

Nicolas Ducoussou, J. Le Sommer, J.-M. Molines, M. Bell

Download PDF Abstract Export

Web Library

All Choose folders or groups Save (1)

Download PDFs if available

Ducoussou N, Le Sommer J, Molines J, et al. Ocean Modelling, 2017 Details >

Modelling sensitivities to mixing and advection in a sill-basin estuarine system

Soontiens N, Allen G Ocean Modelling, 2017

Design, analysis and verification of a volume-of-fluid model with interface-capturing scheme

Klaai C, Hoeijstra M, Vaz G Computers & Fluids, 2018 Details >

Можете выбрать все или несколько публикаций для сохранения



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Пример использования Web Importer в Scopus (поиск)

Ищем нужные статьи в базе Scopus

Отмечаем для сохранения

The screenshot shows the Scopus search interface with 68,196 document results. A search filter is applied: TITLE-ABS-KEY (nuclear AND physics). The left sidebar shows 'Refine results' with 'Limit to' and 'Exclude' buttons, and 'Access type' and 'Year' filters. The main results list shows a table with columns for year and document count. An 'Export settings' dialog box is open, showing 'Вы выбрали 2 документа (ов) для экспорта' and 'Выберите способ экспорта' with 'MENDELEY' selected. Below, 'Какую информацию экспортировать?' lists various fields with checkboxes. An 'Экспорт' button is visible at the bottom right of the dialog.

68,196 document results

TITLE-ABS-KEY (nuclear AND physics)

Search within results...

Refine results

Limit to Exclude

Access type

Year

Year	Count
2020	(29)
2019	(2,008)
2018	(2,389)
2017	(2,470)
2016	(2,362)
2015	(2,170)
2014	(2,153)
2013	(3,648)

Экспортировать настройки документа

Вы выбрали 2 документа (ов) для экспорта

Выберите способ экспорта

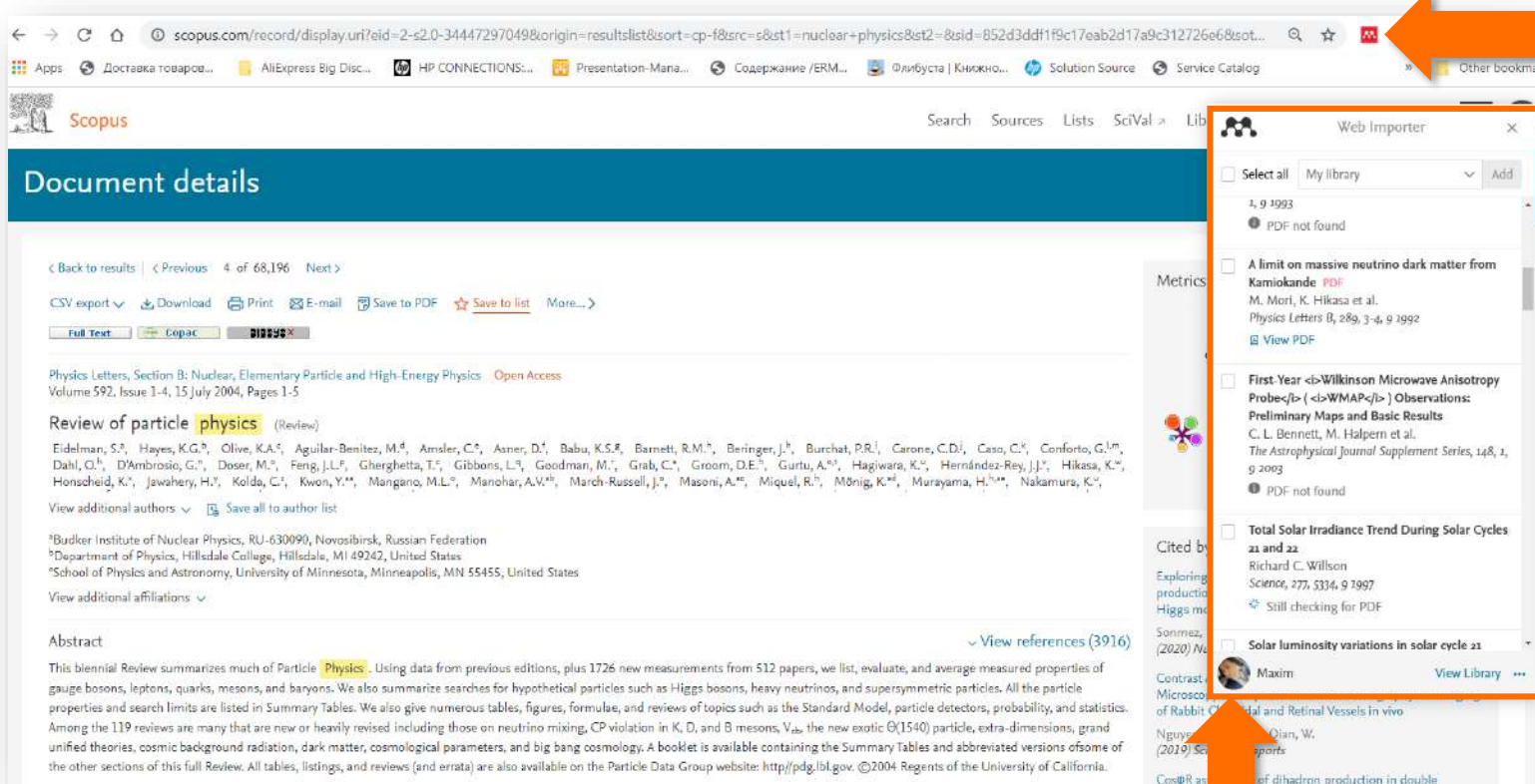
MENDELEY Менеджер приставочных ссылок

Какую информацию экспортировать?

Информация о цитировании	Библиографическая информация	Краткое описание и ключевые слова	Сведения о финансировании	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"/> DOI			
	<input type="checkbox"/> Сокращенное название источника			

Отмена Экспорт

Пример использования Web Importer в Scopus (статья)



The screenshot shows a Scopus article page for "Review of particle physics". A "Web Importer" dialog box is open on the right side of the page. The dialog has a search bar with "My library" selected and an "Add" button. Below the search bar, there are several search results, each with a checkbox and a "View PDF" link. One item, "Solar luminosity variations in solar cycle 21", is selected. An orange arrow points to the "Add" button in the dialog, and another orange arrow points to the "View Library" button next to the selected item.

Document details

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics Open Access
Volume 592, Issue 1-4, 15 July 2004, Pages 1-5

Review of particle physics (Review)

Eidelman, S.^a, Hayes, K.G.^a, Olive, K.A.^b, Aguilar-Benitez, M.^a, Amsler, C.^a, Asner, D.^a, Babu, K.S.^a, Barnett, R.M.^a, Beringer, J.^a, Burchat, P.R.^a, Carone, C.D.^a, Caso, C.^a, Conforto, G.^a, Dahl, O.^a, D'Ambrosio, G.^a, Doser, M.^a, Feng, J.L.^a, Gherghetta, T.^a, Gibbons, L.^a, Goodman, M.^a, Grab, C.^a, Groom, D.E.^a, Gurtu, A.^a, Hagiwara, K.^a, Hernández-Rey, J.J.^a, Hikasa, K.^a, Honscheid, K.^a, Jawahery, H.^a, Kolda, C.^a, Kwon, Y.^a, Mangano, M.L.^a, Manohar, A.V.^a, March-Russell, J.^a, Mason, A.^a, Miquel, R.^a, Mönnig, K.^a, Murayama, H.^a, Nakamura, K.^a

View additional authors [Save all to author list](#)

^aBudker Institute of Nuclear Physics, RU-630090, Novosibirsk, Russian Federation
^bDepartment of Physics, Hillsdale College, Hillsdale, MI 49242, United States
^cSchool of Physics and Astronomy, University of Minnesota, Minneapolis, MN 55455, United States

View additional affiliations [View references \(3916\)](#)

Abstract

This biennial Review summarizes much of Particle Physics. Using data from previous editions, plus 1726 new measurements from 512 papers, we list, evaluate, and average measured properties of gauge bosons, leptons, quarks, mesons, and baryons. We also summarize searches for hypothetical particles such as Higgs bosons, heavy neutrinos, and supersymmetric particles. All the particle properties and search limits are listed in Summary Tables. We also give numerous tables, figures, formulae, and reviews of topics such as the Standard Model, particle detectors, probability, and statistics. Among the 119 reviews are many that are new or heavily revised including those on neutrino mixing, CP violation in K, D, and B mesons, V_{cb} , the new exotic $\Omega(1540)$ particle, extra-dimensions, grand unified theories, cosmic background radiation, dark matter, cosmological parameters, and big bang cosmology. A booklet is available containing the Summary Tables and abbreviated versions of some of the other sections of this full Review. All tables, listings, and reviews (and errata) are also available on the Particle Data Group website: <http://pdg.lbl.gov>. ©2004 Regents of the University of California.



Можете выбрать все или несколько публикаций для сохранения

Синхронизация вашей личной библиотеки с облаком

The screenshot displays the Mendeley Desktop application. The top menu bar includes 'File', 'Edit', 'View', 'Tools', and 'Help'. Below the menu is a toolbar with icons for 'Add', 'Folders', 'Related', 'Sync' (highlighted with a red box), and 'Help'. The main window is divided into three sections:

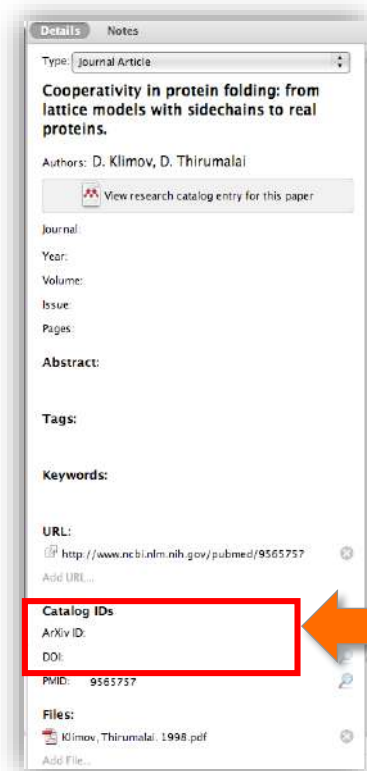
- Left Panel:** Contains navigation options like 'Literature Search', 'My Library', and 'Filter by Authors'.
- Center Panel:** A table titled 'All Documents' with columns for 'Authors', 'Title', 'Year', 'Published In', and 'Added'. One row is highlighted with a red box:

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	TVDel: Total variation diminishing scheme with alternating limiters to balance numerical compression and diffusion	2019	Ocean Modelling	8:52pm
Thuburn, J.; Ringler, T.D.; Slamarock, W.C.; Klemp, J.B.	Numerical representation of geostrophic modes on arbitrarily structured C-grids	2009	Journal of Computat...	8:52pm
Ducousso, 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 Computat...	8:52pm
Hallberg, Robert	Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling	1997	Journal of Computat...	8:52pm
Driskoll, Dimitris; Smolarkiewicz, Piotr K.	On Spurious Vortical Structures	2001	Journal of Computat...	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 Computat...	8:52pm
Hellberg, 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:** A 'Details' pane for the selected document, showing the title 'Some effects of horizontal discretization on linear baroclinic and symmetric instabilities', authors 'W. Barham, S. Bachman, I. Grooms', and journal 'Ocean Modelling'. The abstract text is also visible.

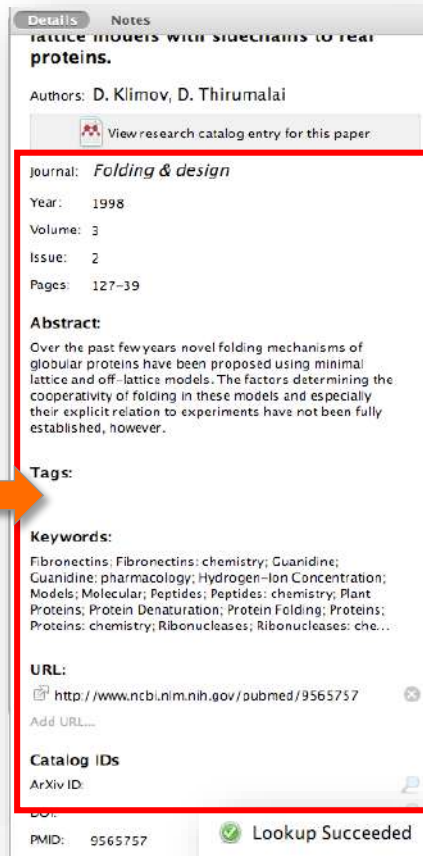


Поиск сведений о документе



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автоматически



Организация и управление Вашей библиотекой



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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
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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 "predi". The main content area displays a PDF document titled "Ocean Modelling 120 (2017) 120-136". The document 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. The abstract text is visible at the bottom of the page. A sidebar on the right shows the document's metadata, including the journal name "Ocean Modelling", year "2017", volume "120", issue, and pages "120-136". A "Details" panel is also visible on the right. A small window in the foreground shows a notification from "Maxim Filatov" with the text "I guess it is interesting article!".

Showing match 1 of 43

Ocean Modelling 120 (2017) 120-136

Contents lists available at ScienceDirect

Ocean Modelling

journal homepage: www.elsevier.com/locate/ocemod

Review

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

Helene T. Hewitt^{a,*}, Michael J. Bell^b, Eric P. Chassignet^c, Arnaud Czaja^c, David Ferreira^d, Stephen M. Griffies^e, Pat Hyder^f, Julie L. McClean^g, Adrian L. New^h, Malcolm J. Robertsⁱ

^a Met Office, Fitzroy Road, Exeter, UK
^b Center for Ocean-Atmospheric Prediction Studies (COAPS), Florida State University, Tallahassee
^c Imperial College London, Department of Physics, Space & Atmospheric Physics Group, London, UK
^d Department of Meteorology, University of Reading, Reading, UK
^e NOAA/Geophysical Fluid Dynamics Laboratory, Princeton, USA
^f Scripps Institute of Oceanography, University of California, San Diego, La Jolla, California, USA
^g National Oceanography Centre, Southampton, UK

ARTICLE INFO

Keywords:
Resolution
Parameterisation

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, and where parameterizations may fall short. We discuss the benefits of resolution and identify gaps in the current literature that leave important questions...

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 questions...

Tags:

Author Keywords:

Date Accessed:
2019-03-05

Maxim Filatov
Just now
I guess it is interesting article!



Поиск документов в библиотеке Mendeley

The screenshot shows the Mendeley Desktop application window. The title bar reads "Mendeley Desktop". The menu bar includes "File", "Edit", "View", "Tools", and "Help". Below the menu bar is a toolbar with icons for "Add", "Folders", "Related", "Sync", and "Help". The main window has a tab bar with several open tabs, including "My Library", "Will high-resolution global ...", "Numerical representation ...", and "Performance of Under-res...".

The left sidebar contains a "Mendeley" section with a "Literature Search" icon. Below it is the "My Library" section, which includes a tree view of folders: "All Documents", "Recently Added", "Recently Read", "Favorites", "Needs Review", "My Publications", "Unsorted", and "Maxim". There is also a "Groups" section with "Maxim closed Group" and "My publication". At the bottom of the sidebar is a "Filter by Authors" section with a list of authors: "All", "Abeshidze, A.K.", "Abashidze, Aslan Khuseinovich", "Adcroft, Alistair", and "Arakawa, Akio".

The main content area is titled "All Documents" and shows search results for "predic" in "All Documents". The search results are displayed in a list format. The first result is highlighted with a red box:

- 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 ...

Other visible results include:

- CHANNEL WAVES AS A TOOL OF APPLIED GEOPHYSICS IN COAL MINING**
Theodore C. Kray - 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 Bryan... - 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; I Grooms - 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**
Jurgen 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 Dritakos; 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

The right sidebar contains tabs for "Details", "Notes", and "Contents". The text "No documents selected" is visible in the bottom right corner of the main content area.



Использование Тэгов (Tags) для категоризации документов

The screenshot displays the Mendeley Desktop application interface. The top menu bar includes 'File', 'Edit', 'View', 'Tools', and 'Help'. Below the menu is a toolbar with icons for 'Add', 'Folders', 'Related', 'Sync', and 'Help'. The main window shows a list of documents under the 'All Documents' tab, filtered by the tag 'project2'. The list includes documents by Hewitt, Willebrand, Minion, and Le Sommer. On the left sidebar, the 'Filter by My Tags' dropdown is open, showing 'Project1', 'Project2', and 'Project3'. On the right, the details for the selected document are shown, including the title 'Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?' and the abstract.

★	📄	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; Boning, 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

Filter by My Tags

- All
- Project1
- Project2
- Project3

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.

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-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...

Tags:

- Project2



Возможность переименовать документы согласно заданной схеме

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'. A dialog box titled 'Rename Document Files' is open, showing a configuration for file naming. The dialog includes a 'File name' field with a dropdown menu set to 'Hyphen-separated'. Below the field, an example shows the resulting filename: '2017 - Hewitt et al. - Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales.pdf'. The dialog also has '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-see-ice models (JRA55-do)	2018	Ocean Modelling	8:52pm
Lin, Lei; Liu, Zhe	TVDBal: Total variation diminishing scheme with alternatio...	2019	Ocean	8:52pm
Thuburn, J.; Ringler, T.L.; Skamarock, W.C.; Klemm...	Stable Split Time Stepping Schemes for Large-Scale Ocean Modeling	1997	Journal of Computatio...	8:52pm
Ducousso, Nicolas; Le Sommer, J.; Molines, J.-M.	On Spurious Vortical Structures	2001	Journal of Computatio...	8:52pm
Griffies, Stephen M.; Boffa, Claus; Bryan, Frank O.; ...	DAMÉE-NAB: the base experiments	2000	Dynamics of Atmosphere...	8:52pm
Willebrand, Jürgen; Barber, Bernard; Böning, Claus; ...	A numerical method for the study of the circulation of the world ocean	1969	Journal of Computatio...	8:52pm
Minion, Michael L.; Brown, David L.	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

Dialog Box: Rename Document Files

Unused fields:

Drag bubbles down to add or up to remove.

File name:

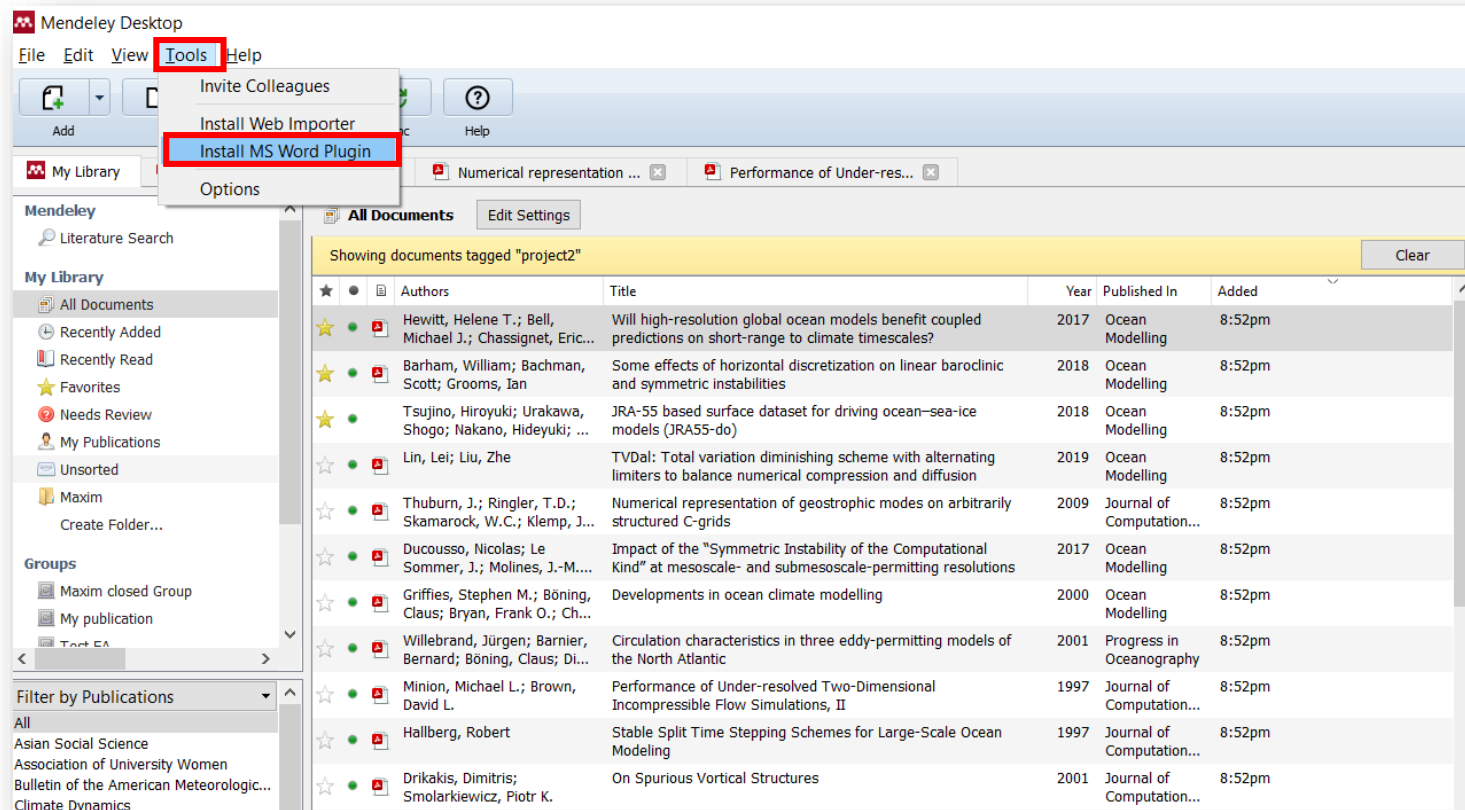
Example: 2017 - Hewitt et al. - Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales.pdf



Работа со ссылками и библиографией



Установка Citation Plugin для MS Word



Mendeley Desktop

File Edit View **Tools** Help

- Invite Colleagues
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Mendeley

Literature Search

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Filter by Publications

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- Association of University Women
- Bulletin of the American Meteorologic...
- Climate Dynamics

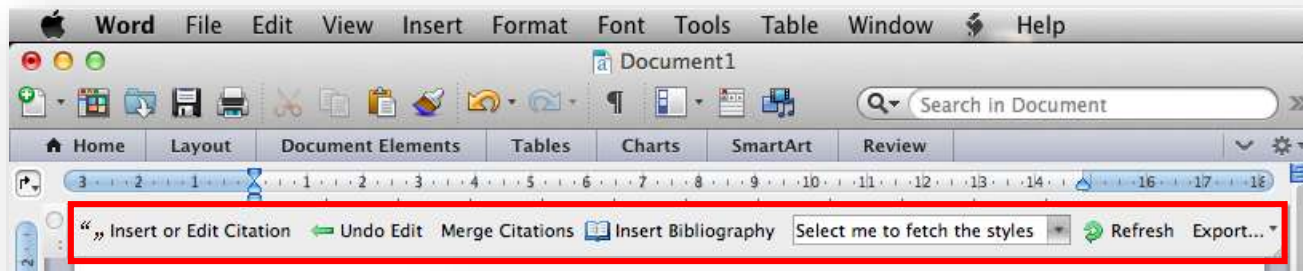
All Documents Edit Settings

Showing documents tagged "project2" Clear

★	●	📄	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

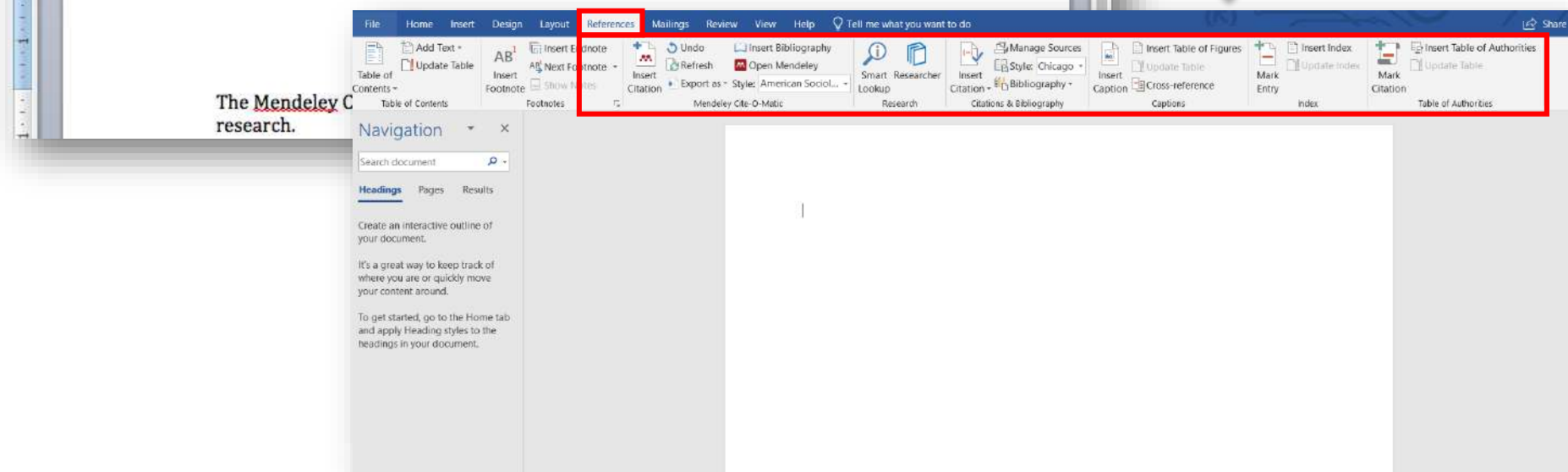


Citation Plugin появляется автоматически в текстовом редакторе

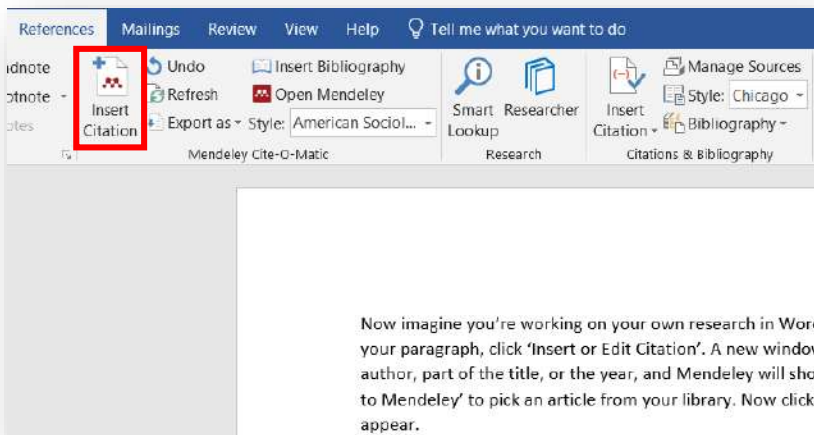


Mac OS

Windows OS



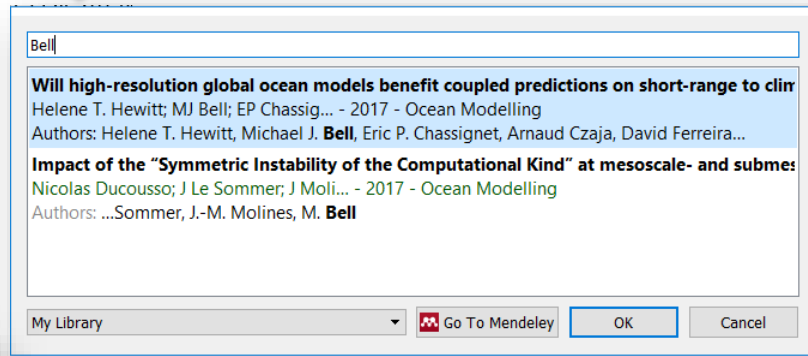
Пример создания ссылок в MS Word



1. Кликните 'Insert or Edit Citation'



2. Найдите документ по автору, названию или году или выберите его из библиотеки Mendeley

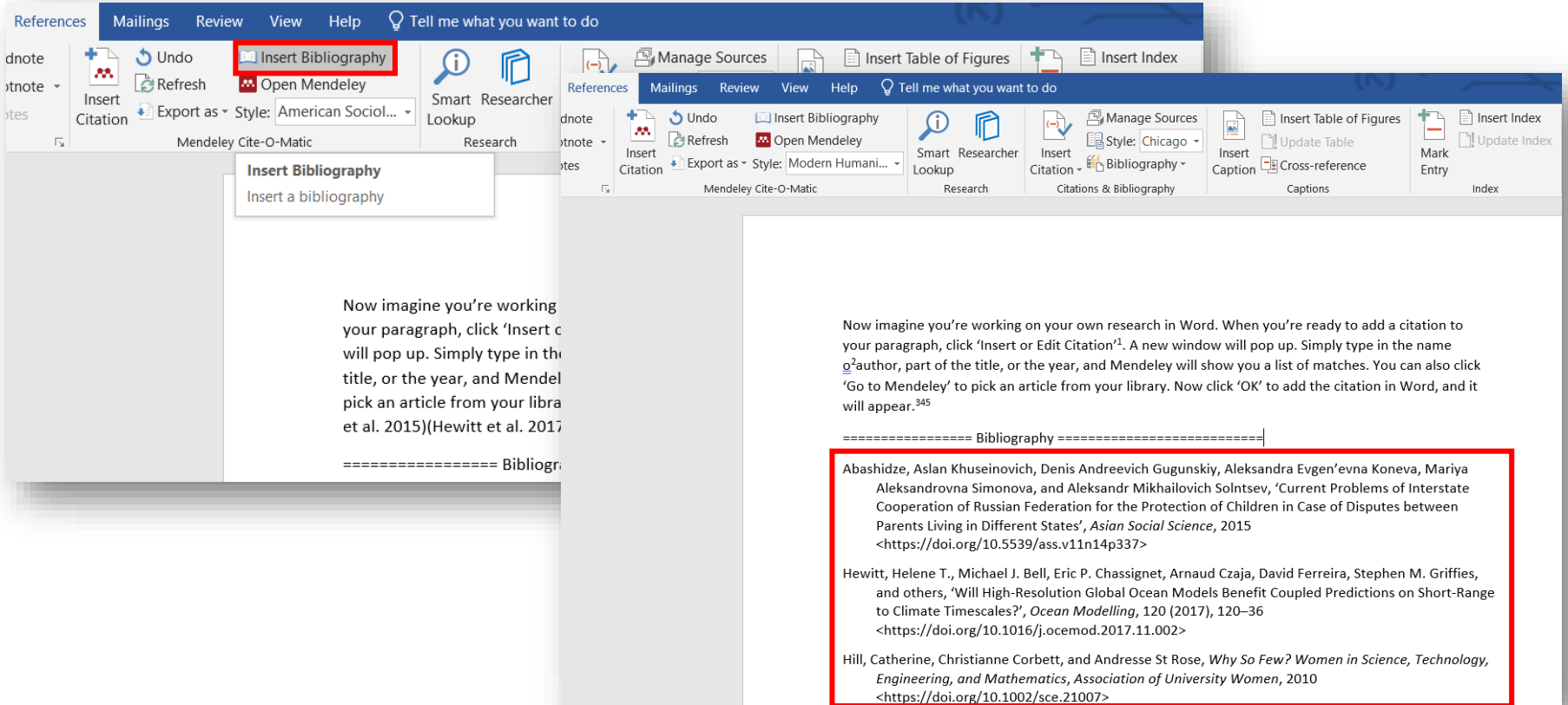


3. Выбранная статья или книга будет автоматически преобразована в ссылку

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Вставка библиографии в документ



References Mailings Review View Help Tell me what you want to do

Insert Bibliography

Insert a bibliography

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===== Bibliography =====

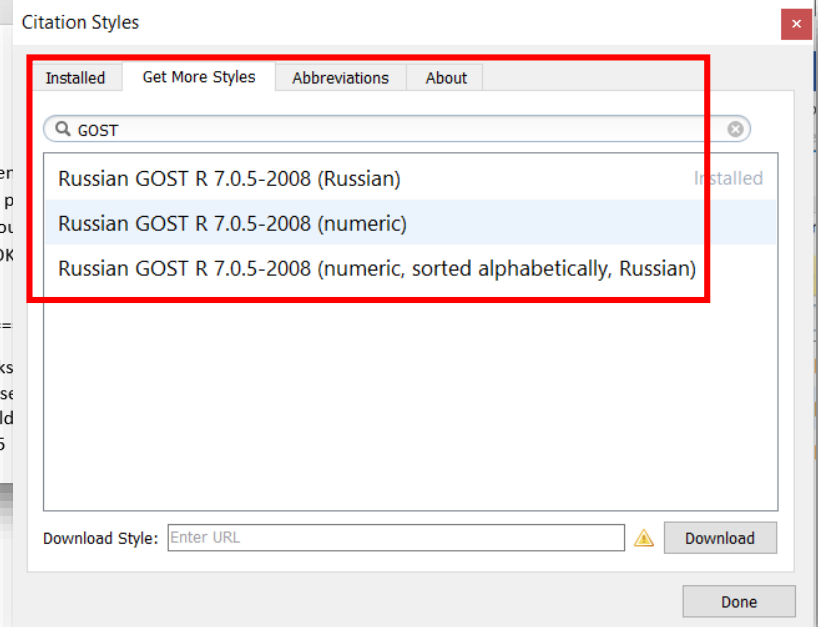
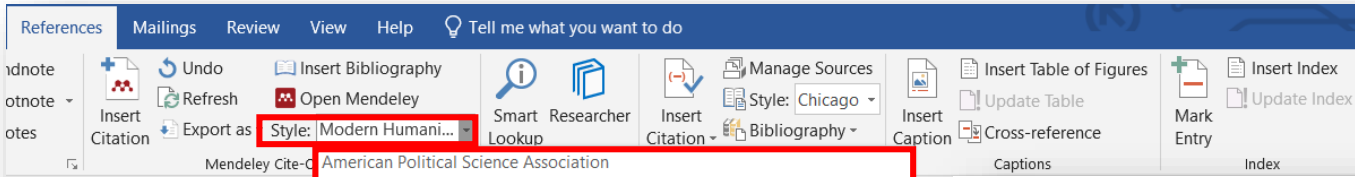
Abashidze, Aslan Khuseinovich, Denis Andreevich Gugunskiy, Aleksandra Evgen'evna Koneva, Mariya Aleksandrovna Simonova, and Aleksandr Mikhailovich Solntsev, 'Current Problems of Interstate Cooperation of Russian Federation for the Protection of Children in Case of Disputes between Parents Living in Different 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

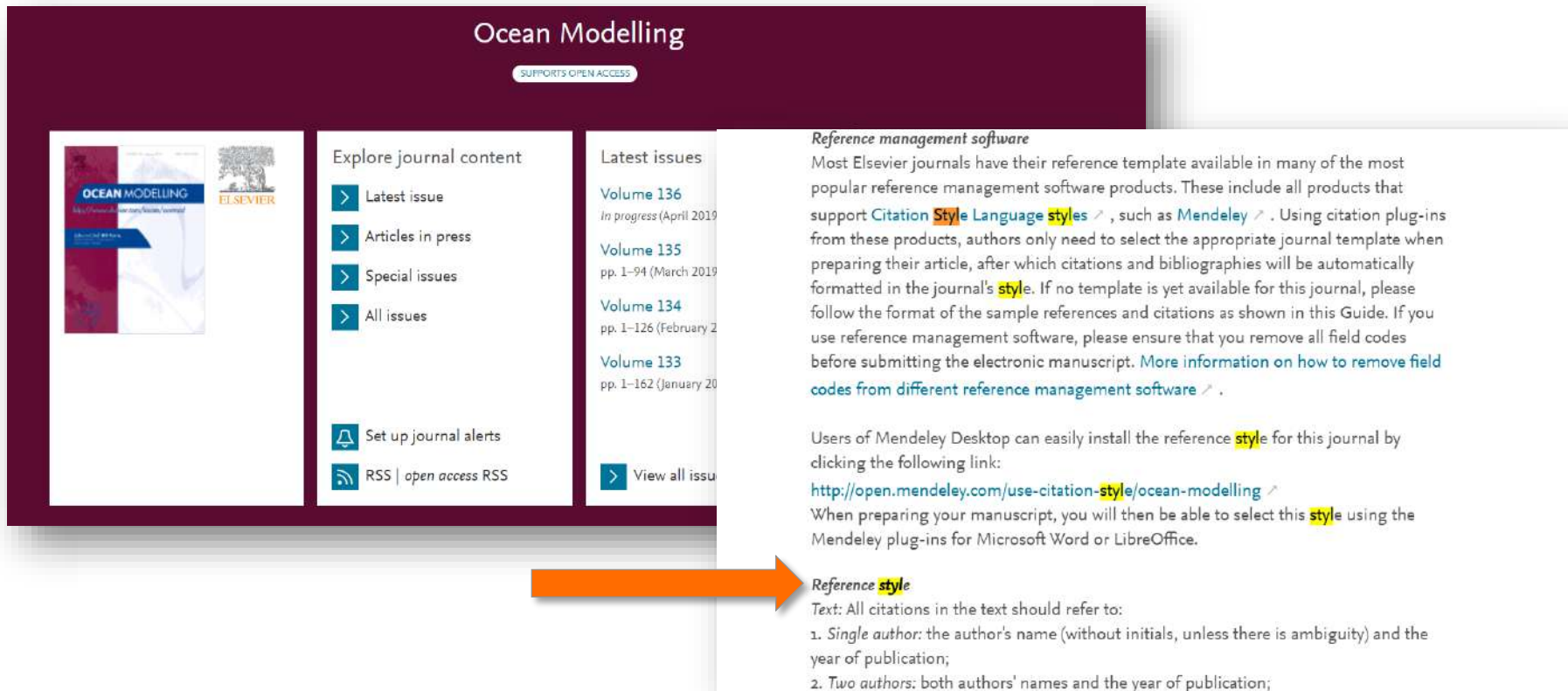


will appear.²⁹⁵

===== 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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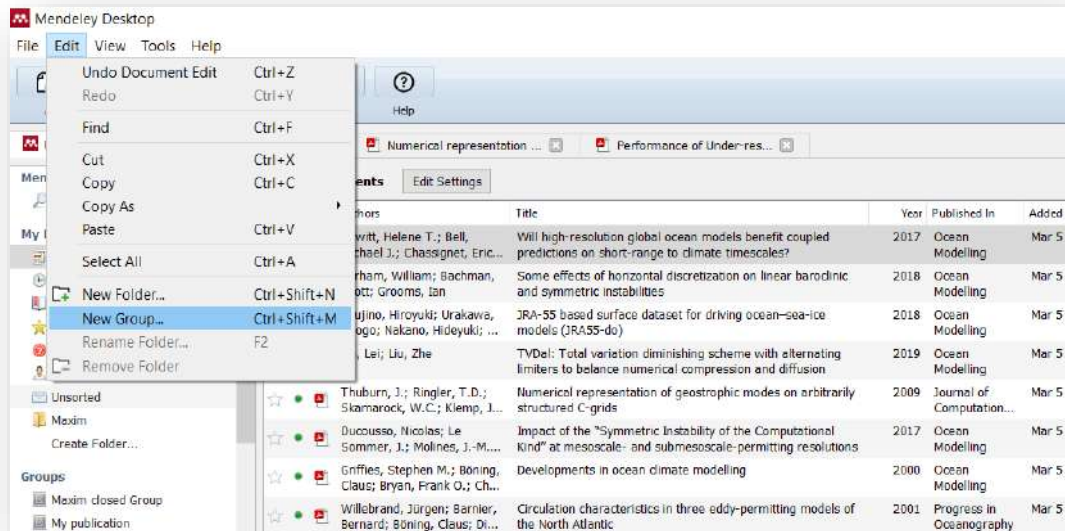
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Отслеживание активности группы

The screenshot shows the Mendeley Desktop application window. The title bar reads "Mendeley Desktop". The interface is divided into several sections:

- Top Bar:** Contains icons for Documents, Folders, Related, and Sync, along with a search bar.
- Left Panel (GROUPS):** A list of groups with "Mendeley for Librarians" selected and highlighted in blue. Other groups include "3pm Tuesday", "Animated gifs", "Bluey trial", "Elsevier Oxford", "Geocachers of Mendeley", "Mendeley 2014 Educatio...", "Mendeley Advisor Group", "Mendeley in the Press", "Test Group", "The Feline Emporium", "The Journal of Allergy an...", "Tuesday 2pm", "Comparative Studies", "Film Adaptation", "Future of Science", "Geocachers of Mendeley", "German Studies", "Mendeley for Librarians (...)", "Narratology & Literature", "Open Access", "Papers in the press", and "The Dark Side of Research".
- Bottom Left Panel:** A "Filter by Authors" dropdown menu with a list of authors: "All", "Allen, David", "Anderson, Lisa", and "Antonescu, Mary".
- Main Content Area:** Displays the group page for "Mendeley for Librarians, owned by William Gunn". It has tabs for "Overview", "Documents", and "Members".
 - A text input field: "Ask a question or comment here".
 - A post by "You" (with a profile picture) containing a quote: "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". The source is "The Guardian" with a link: <http://www.theguardian.com/local-government-network/2014/mar/26/libraries-us-digital-community-problem-solvers>. Interaction options: "Like · Comment · 3rd April".
 - A post by "Esther Fernandez Ramos" (with a profile picture) containing the text: "Hello and thanks! I'm a librarian at Universitat de les Illes Balears, Spain." Interaction options: "Comment · 2nd April" and "You like this." (with a thumbs-up icon).
 - A post by "Sandrine Royer-Devaux" (with a profile picture) containing the text: "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>". Interaction options: "Comment · 28th March" and "You like this." (with a thumbs-up icon).



Взаимодействуйте с вашими коллегами

The screenshot shows the Mendeley Desktop application window. The title bar reads "Mendeley Desktop". Below it 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" by Yasser Khazaal, Anne Chatton, Roberto Prezzemolo, Aliosca Hoch, Jacques Cornuz, and Daniele Zullino. The document includes an abstract, an objective, a method, results, conclusion, and practical implications. 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 right side of the image towards the second note.

My Library | A game for smokers: a pr...

Short communication

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

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

^aDivision of Substance Abuse, University Hospitals of Geneva, Switzerland
^bDepartment 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

Page 1 of 4

Details | Notes

05/04/11 5:50 PM

Interesting separating parts of the abstract...

You ○ [Page 1](#)

06/04/11 5:46 PM

feasibility of game toward behavior change...

Делитесь полнотекстовыми документами, аннотациями и комментариями к ним.



Популярность и видимость с Mendeley



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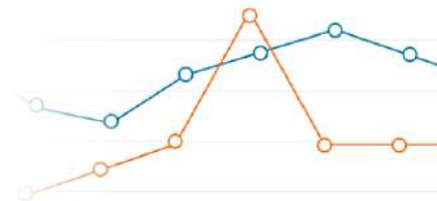
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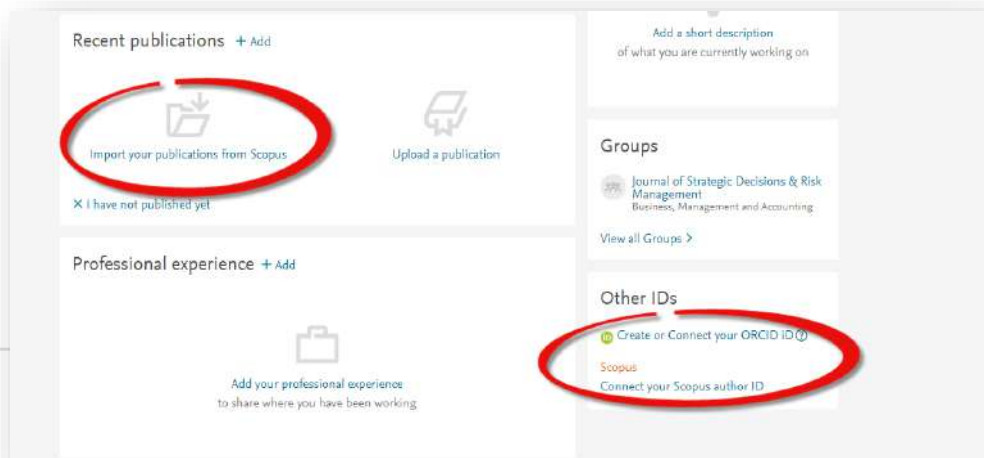
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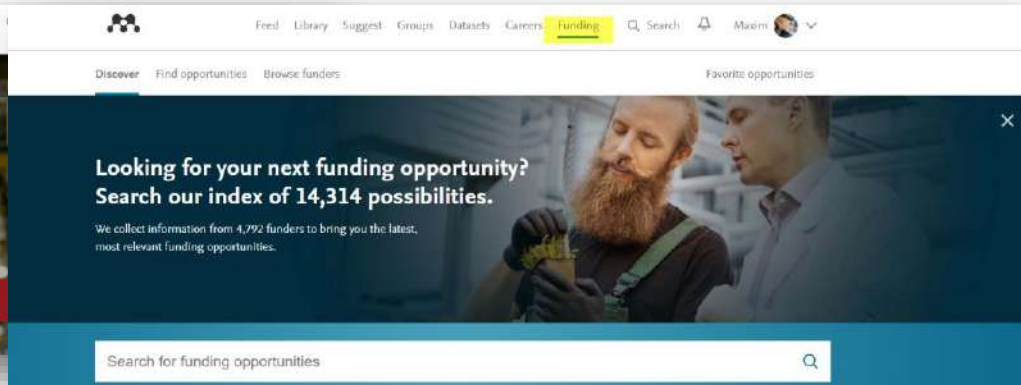
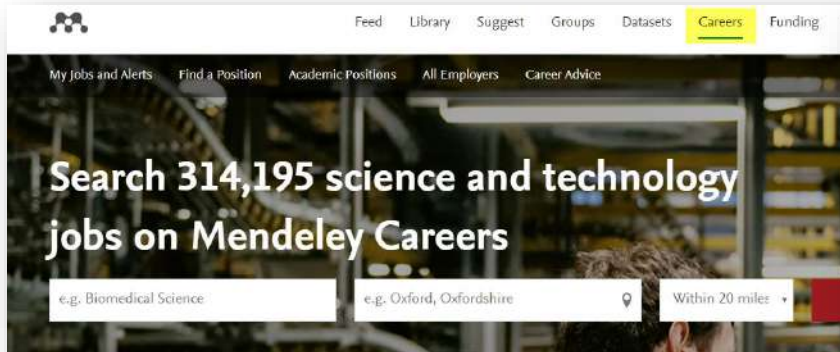
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Научные данные могут опубликованы в хранилище Mendeley Data с метаданными (DOI; опубликованная статья, при наличии; управление версиями данных), что повышает значимость наборов данных, делая их максимально пригодными для повторного использования.



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