



ELSEVIER DATABASES USER TRAINING AND UPDATES

Presented by Ozge Sertdemir

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October 2017

AGENDA

- Elsevier at a Glance
- Research Performance of Iran
- Science Direct
- Scopus
- Mendeley



ELSEVIER

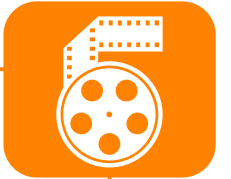


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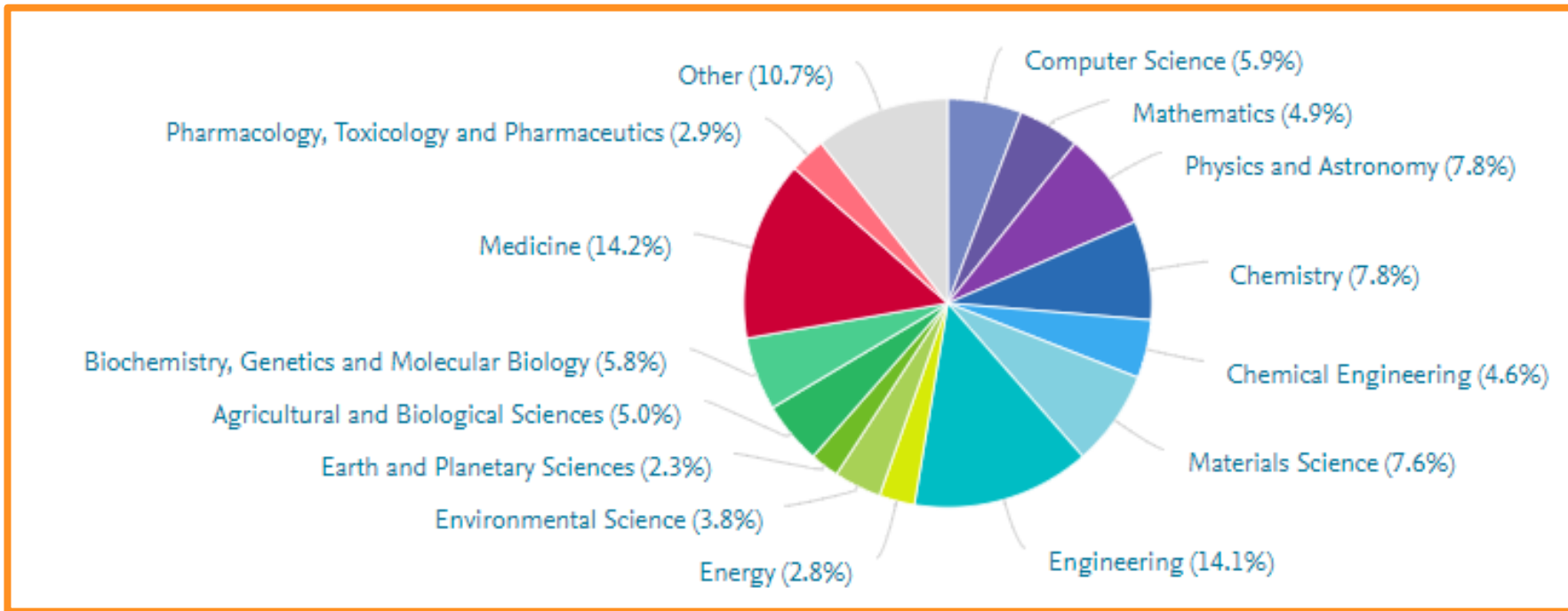


IRAN SCHOLARLY OUTPUT

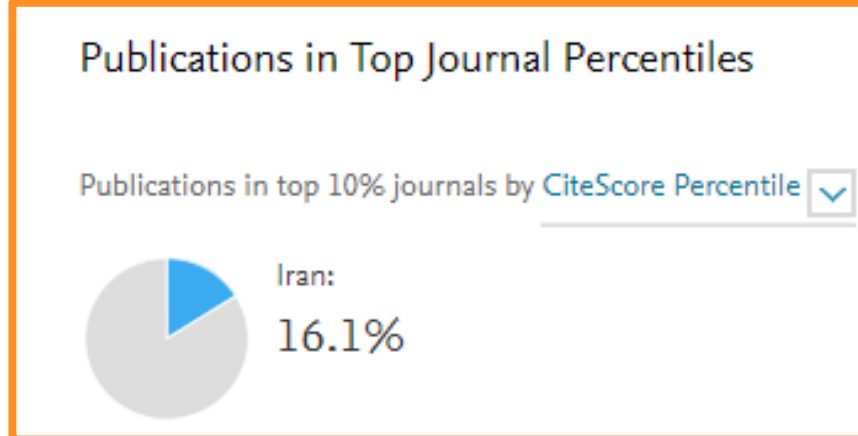
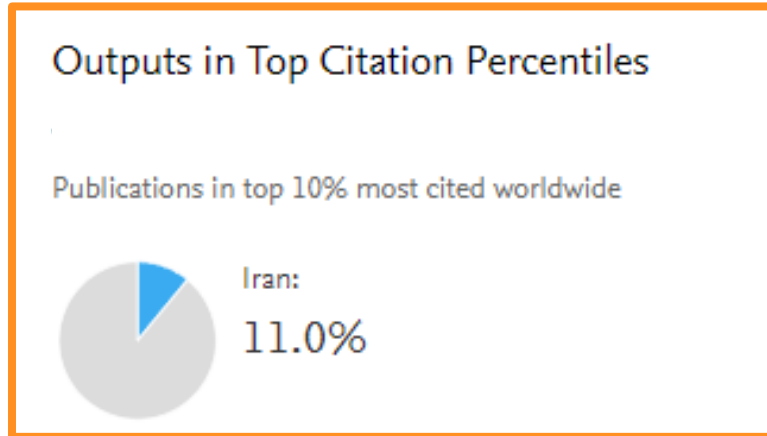
Overall Research Performance – 2012-2017

In last 5 years, Iran has more than 263k publications with more than 1 mio citations.
 FWCI is 0.93 (while world average is 1) and citation per publication is 4.1.
 Engineering and Medicine are top publication areas with total 28% share.

<p>Scholarly Output 263,496 ▲</p>	<p>Citation Count 1,093,132</p>	<p>Field-Weighted Citation Impact 0.93</p>	<p>Citations per Publication 4.1</p>
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Overall Research Performance – 2012-2017



179 collaborating countries, publications mostly with Malaysia, UK and Germany, 52,207 co-authored publications

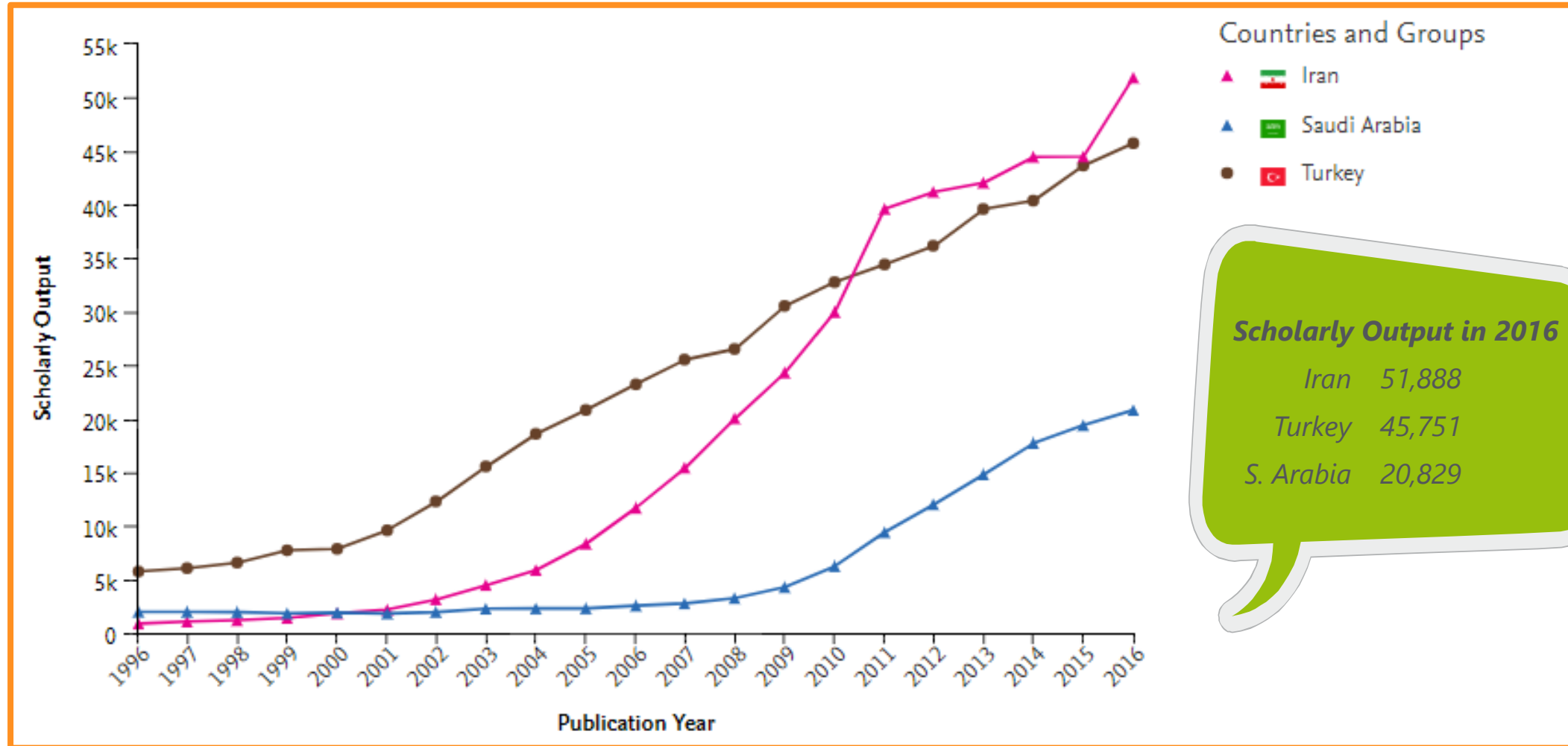


11% of Publications in Iran are in top 10% most cited worldwide.

16% of publications in Iran is in top 10 Journals by CiteScore

Almost 20% of all publications in Iran are held with co-author. Collaborations are mostly realized with UK and South Africa

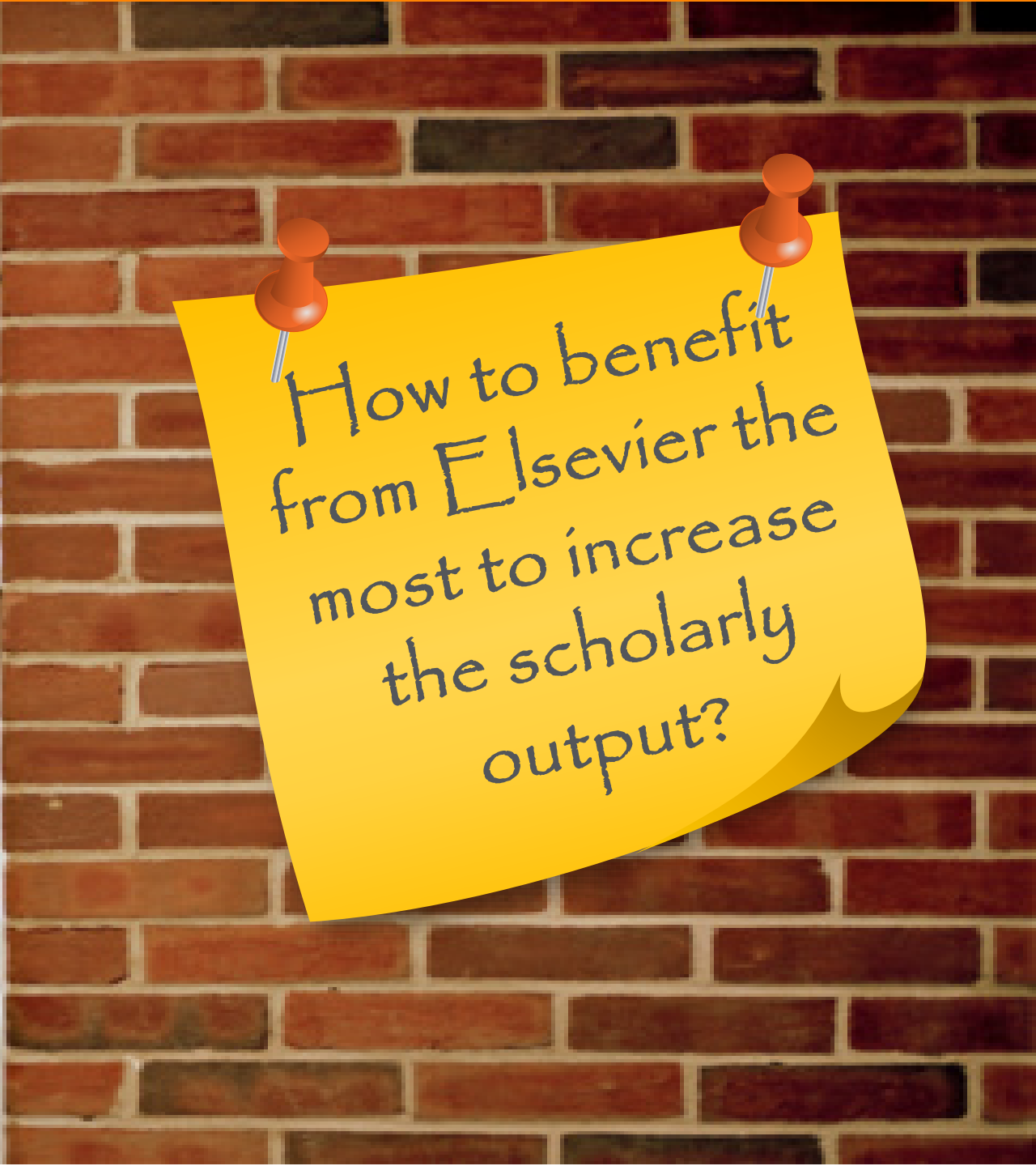
Overall Research Performance



Overall Research Performance

Institution	Publications ↓
1.  Islamic Azad University	52,909 ▼
2.  Tehran University of Medical Sciences	24,358 ▲
3.  University of Tehran	22,701 ▲
4.  Amirkabir University of Technology	12,600 ▲
5.  Tarbiat Modarres University	12,044 ▲
6.  Shahid Beheshti University of Medical Sciences	10,921 ▲
7.  Sharif University of Technology	10,895 ▼
8.  Iran University of Science and Technology	8,917 ▲
9.  Ferdowsi University of Mashhad	8,162 ▲
10.  Isfahan University of Technology	8,160 ▲
11.  Shiraz University	7,763 ▲
12.  University of Tabriz	7,152 ▲
13.  Shahid Beheshti University	6,888 ▲
14.  Isfahan University of Medical Sciences	6,826 ▲
15.  Mashhad University of Medical Sciences	6,469 ▲

Top 15 institutions in Iran in terms of Scholarly output in last 5 years



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the scholarly
output?



ScienceDirect

AGENDA

- What is Science Direct?
- Benefits of Science Direct
- Content Innovations
- Tips on Advanced Search

Facts and Figures - ScienceDirect

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29 articles a second
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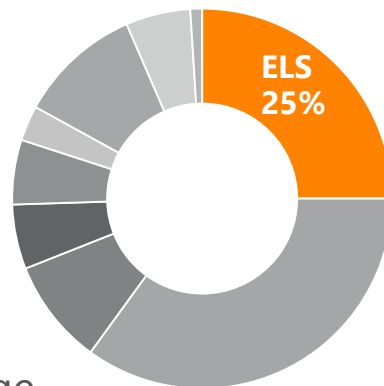


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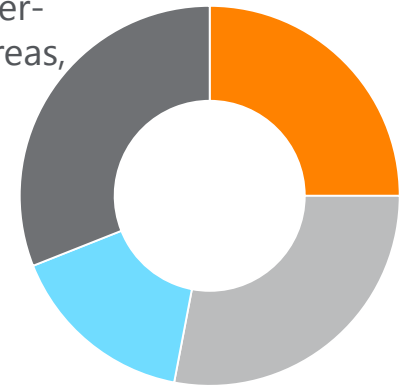
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 - *Interactive graphs*
 - *Figures and tables*
 - *Information about the author*
- Image searching

More efficient

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- Mobile enhanced, high level of web accessibility

Simple Search on ScienceDirect

The image shows the ScienceDirect website interface. At the top left is the ScienceDirect logo. At the top right are navigation links: Journals, Books, Register, Sign in, and a help icon. The main content area features a search bar with several input fields: Keywords, Author name, Journal/book title, Volume, Issue, and Page. A green search icon is to the right of these fields. Below the search bar is a link for 'Advanced search'. The background is a historical map of Broad Street, London, with a blue arrow pointing down to the search bar and another blue arrow pointing right to the 'Advanced search' link. A text box at the bottom left of the map provides context: '1854 - Broad Street cholera outbreak map by John Snow. An early example of data visualization and a breakthrough for the science of epidemiology.' A 'Feedback' button is located in the bottom right corner.

ScienceDirect

Journals Books Register Sign in > ?

Explore scientific, technical, and medical research on ScienceDirect
Search for peer-reviewed journals, articles, book chapters and open access content.

Keywords Author name Journal/book title Volume Issue Page

Advanced search

1854 - Broad Street cholera outbreak map by John Snow.
An early example of data visualization and a breakthrough for the science of epidemiology.

Feedback

Simple Search on ScienceDirect



Physical Sciences and Engineering Life Sciences Health Sciences Social Sciences and Humanities

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Feedback

Advanced Search on ScienceDirect

The screenshot shows the ScienceDirect Advanced Search page. At the top, there are navigation links for Journals, Books, and a user profile for Ozge Sertdemir. Below this is a search bar with fields for 'Search all fields', 'Author name', 'Journal or book title', 'Volume', 'Issue', and 'Page', along with an 'Advanced search' button. The main search area includes tabs for 'All', 'Journals', 'Books', 'Reference Works', and 'Images', with 'Advanced search' and 'Expert search' also visible. A 'Search tips' link is circled in blue. The search form has two input fields, both set to 'All Fields', with an 'AND' operator between them. Under 'Refine your search', there are checkboxes for 'Journals', 'Books', 'All', 'My Favorites', 'Subscribed publications', and 'Open Access articles'. A dropdown menu shows subject fields, with '- All Sciences -' selected. At the bottom, there are radio buttons for 'All Years' and a date range selector set to '2007' to 'Present'. A 'Search' button is at the bottom left. Callout boxes provide instructions: 'You can always search within images figures and videos' (pointing to the Images tab), 'Use search tips to make more advanced search' (pointing to the Search tips link), 'Select subject field as 'All sciences' so that you can have multidisciplinary results' (pointing to the subject field dropdown), and 'You can select time frame' (pointing to the date range selector).

Advanced Recommender on ScienceDirect

Our advanced recommender helps you find other related information you might have overlooked

The screenshot displays the ScienceDirect interface for an article. The main article is titled "Zika virus: review and obstetric anesthetic clinical considerations" from the Journal of Clinical Anesthesia, Volume 35, December 2016, Pages 136–144. The authors listed are Cesar Padilla, MD (Resident), Aileen Pan, MD (Fellow Obstetric Anesthesiology), Andrew Geller, MD (Instructor), and Mark I. Zakowski, MD (Associate Professor Anesthesiology, Adjunct, Charles Drew University of Medicine and Science Los Angeles). The article has a DOI of http://dx.doi.org/10.1016/j.jclinane.2016.07.034.

On the right side of the page, a red box highlights the "Recommended articles" section, which includes the following entries:

- Attomolar Zika virus oligonucleotide det...**
2016, Biosensors and Bioelectronics [more](#)
- La infección por virus Zika: una nueva e...**
2016, Gaceta Sanitaria [more](#)
- Cardiovascular complications of Zika vir...**
2016, International Journal of Cardiology [more](#)

Below the recommended articles, there are sections for "Citing articles (0)" and "Related book content".

The left sidebar contains an "Article outline" with sections like Highlights, Abstract, Keywords, and a numbered list of sections (1-7). Below that is a "Figures and tables" section with a map of the United States and a world map.

The bottom section of the article page is titled "Highlights" and contains the following bullet points:

- Zika virus infection and clinical disease states are reviewed.
- Transmission patterns of Zika virus are reviewed; note possible widespread local activity in North America in the summer months of 2016.
- In utero transmission and pathophysiology of Zika viral disease in the developing fetus are discussed in relation to maternal and fetal effects and possible clinical presentations.

3D Images, Shapes and Models in ScienceDirect

We are working to make data, images, and other informative research types more discoverable and easier to evaluate

The screenshot shows a ScienceDirect article page. The article title is "Digital Applications in Archaeology and Cultural Heritage" from Volume 1, Issue 1, 2014, Pages 3-11. The main article title is "Another link between archaeology and anthropology: Virtual anthropology". The author is Gerhard W. Weber. The article is available under a Creative Commons license and is marked as Open Access. The highlights section lists: "Introduces the six operational areas of Virtual Anthropology", "Emphasizes the applicability of these methods in archaeology", "Provides a 3D model to demonstrate a landmark-based measurement approach", and "Provides a movie of a virtual Venus from Willendorf, Austria". The abstract discusses the convergence of archaeology and biological anthropology, highlighting the use of digital technologies for 3D modeling and virtual reconstructions. A 3D model of a human skull is shown in a red-bordered box. The article is categorized under "Digital Applications in Archaeology and Cultural Heritage" and "Virtual Anthropology".

ScienceDirect

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Article outline

► Show full outline

Highlights

Abstract

1. Archaeology and archaeo...
2. The six areas of Virtual...
3. Technology crossing th...
Acknowledgements
Appendix A. Supplementa...
References

Figures and tables

1. Video 01
2. Video 02

3D model of a human skull

cc1010
cc1015

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Digital Applications in Archaeology and Cultural Heritage

Volume 1, Issue 1, 2014, Pages 3-11

Header

Another link between archaeology and anthropology: Virtual anthropology

Gerhard W. Weber

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Highlights

- Introduces the six operational areas of Virtual Anthropology.
- Emphasizes the applicability of these methods in archaeology.
- Provides a 3D model to demonstrate a landmark-based measurement approach.
- Provides a movie of a virtual Venus from Willendorf, Austria.

Abstract

Archaeology and biological anthropology share research interests and numerous methods for field work. Both profit from collaborative work and diffusion of know-how. The last two decades have seen a technical revolution in biological anthropology: Virtual Anthropology (VA). It exploits digital technologies and brings together experts from different domains. Using volume and surface data from scanning processes, VA allows applying advanced shape and form analysis, higher reproducibility, offers permanent availability of virtual objects, and easy data exchange. The six main areas of VA, including digitization, supporting hidden structures, comparing shapes and forms, reconstructing specimens, transferring electronic specimens, and sharing data are introduced in this paper. Many overlaps with archaeological problems are highlighted and potential application areas are emphasized. The article provides a 3D human cranium model and a movie flying around and through the virtual copy of a most famous archaeological object: the Venus from Willendorf.

Biological anthropology represents one branch of anthropology that deals with the biological variability of us humans, our ancestors, and our closest relatives. The "natural history of mankind through time and space", as Robert Martin defined it already at the beginning of the last century (Martin, 1914), involves a variety of disciplines such as functional anatomy, physiology, osteology, human evolution, primatology, molecular and population genetics, embryology, demography, systematics, life history, and many others. Frequently, biological anthropology is separated at universities from cultural anthropology (ethnography), linguistics, and archaeology, though all kinds of combinations exist (Stewart et al., 2009). However those teaching curricula and research units might be organized, there is no doubt that the relations between biological anthropology and archaeology are manifold. Let's review a typical scenario.

3D Images, Shapes and Models in ScienceDirect

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The screenshot shows the ScienceDirect interface for an article titled "A 74-Year Old with Right Visual Change" from the Visual Journal of Emergency Medicine. The article is by Vivian Lobo, MD, from Stanford University. The abstract describes a 74-year-old male with hypertension and diabetes who presented to the emergency department with right eye pain and decreased vision for 1 day. The patient's visual acuity was 20/50 in the right eye and 20/20 in the left eye. The article discusses the diagnosis of vitreous hemorrhage and the role of ocular ultrasonography in such cases.

Key features of the page include:

- Article outline:** Keywords, Visual Case Discussion, Appendix, Supplementary, References.
- Figures and tables:** A small thumbnail image of the eye ultrasound is visible.
- Keywords:** ocular ultrasonography; POCUS; bedside US; vitreous hemorrhage.
- Visual Case Discussion:** A detailed text-based abstract of the case.
- Recommended articles:** A list of related articles on the right side of the page.
- Interactive Questions:** A section for self-assessment questions.



Fig. Right orbit ultrasound depicting hyperechoic material within the vitreous chamber, consistent with a vitreous hemorrhage.

3D Radiological Images on ScienceDirect

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Article outline Show full outline

Abstract
Keywords
1. Introduction
2. Materials and methods
3. Results
4. Discussion
Conflict of Interest
Funding
Acknowledgement
Appendix A. Supplementary data
References

Figure and tables

Table 1
Table 2
Table 3
Table 4
Table 5

up0005
up0010

European Journal of Radiology Open
Volume 2, 2015, Pages 26–31
Open Access

Anterior mediastinal masses in the Framingham Heart Study: Prevalence and CT image characteristics

Tetsuro Arai^{a, b}, Mizuki Nishino^a, Wei Gao^c, Josée Dupuis^{d, e}, George R. Washko^a, Gary M. Hunninghake^a, Takamichi Murakami^a, George T. O'Connor^{d, f}, Hiroto Hatazu^a

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Abstract

Purpose
To investigate the prevalence and CT image characteristics of anterior mediastinal masses in a population-based cohort and their association with the demographics of the participants.

Materials and methods
Chest CT scans of 2571 Framingham Heart Study participants (mean age 58.9 years, 51% female) were evaluated by two board-certified radiologists with expertise in thoracic imaging for the presence of anterior mediastinal masses, their shape, contour, location, invasion of adjacent structures, fat content, and calcification. For participants with anterior mediastinal masses, a previous cardiac CT scan was reviewed for interval size change of the masses, when available. The demographics of the participants were studied for any association with the presence of anterior mediastinal masses.

Results
Of 2571, 23 participants (0.9%, 95% CI: 0.6–1.3) had anterior mediastinal masses on CT. The most common CT characteristics were oval shape, lobular contour, and midline location, showing soft tissue density (median 32.1 HU). Fat content was detected in a few cases (9%, 2/23). Six out of eight masses with available prior cardiac CT scans demonstrated an interval growth over a median period of 6.5 years. No risk factors for anterior mediastinal masses were detected among participants' demographics, including age, sex, BMI, and cigarette smoking.

Conclusions
The prevalence of anterior mediastinal masses is 0.9% in the Framingham Heart Study. Those masses may increase in size when observed over 5–7 years. Investigation of

Recommended articles
Custom-fit radiolucent cranial implants for neuro...
2015, Journal of Neuroscience Methods more

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2015, European Journal of Radiology more

Cell protrusions induced by hyaluronidase synthase...
2015, Experimental Cell Research more


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Radiological image for this article

mmc1



Model is being loaded

Reset

View 2D Series

Preset Standard WL&WW

Zoom

Level

Window

Cut planes

Sagittal X

Coronal Y

Axial Z

Virtual Microscope in ScienceDirect

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The image shows a screenshot of a ScienceDirect article page. The article title is "Cell protrusions induced by hyaluronan synthase 3 (HAS3) resemble mesothelial microvilli and share cytoskeletal features of filopodia". The authors listed are Ville Koskinen, Pirkko Kärnä, Antti Koskinen, Antti Arjonen, Markku Tammela, and Kari Hämäläinen. The article is from the journal "Experimental Cell Research", Volume 337, Issue 2, 1 October 2015, Pages 179–191.

The page features a sidebar on the left with sections for "Article outline" (including Abstract, Graphical abstract, Abbreviations, Keywords, Introduction, Materials and methods, Results, Discussion, Acknowledgements, Appendix A, Supplementary material, and References) and "Figure and tables" (including Table 1 and Table 2). The main content area includes a "Highlights" section, an "Abstract" section, and a "Graphical abstract" section. The "Abstract" text states: "Previous studies have shown that overexpression of enzymatically active GFP-HAS3 induces the growth of long, slender protrusions that share many features of both filopodia and microvilli. These protrusions are dependent on continuous hyaluronan synthesis, and disrupt upon digestion of hyaluronan by hyaluronidase. However, complete understanding of their nature is still missing. This work shows that the protrusions on rat peritoneal surface are ultrastructurally indistinguishable from those induced by GFP-HAS3 in MCF-7 cells. Analysis of the actin-associated proteins villin, ezrin, spectin, and Myo10 indicated that the HAS3-induced protrusions share most cytoskeletal features with filopodia, but they do not require attachment to the substratum like traditional filopodia. GFP-HAS3 overexpression was found to markedly enhance filamentous actin in the protrusions and their cortical basis. Analysis of the protrusion dynamics after enzymatic digestion of hyaluronan revealed that while GFP-HAS3 escapes from the protrusions and the protrusion collapse takes place immediately, the complete retraction of the protrusions occurs more slowly. This finding also suggests that hyaluronan chain maintains HAS3 in the plasma membrane. The results of this work suggest that protrusions similar to those of HAS3 overexpressing cells *in vitro* exist also in cells with active hyaluronan synthesis *in vivo*. These protrusions are similar to common filopodia but are independent of substratum attachment due to the extracellular scaffolding by the hyaluronan coat that accounts for the growth and maintenance of these structures, previously associated to invasion, adhesion and multidrug resistance."

On the right side of the page, there is a "Virtual Microscope" widget. It displays a 3D reconstruction of a cell protrusion, showing a central core of actin filaments and a surrounding coat of hyaluronan. The widget includes a zoom control with a slider set to 50% and a refresh button.

3D Neuroimaging Viewer in ScienceDirect

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The screenshot shows the ScienceDirect interface for the article "Gray-white matter and cerebrospinal fluid volume differences in children with Specific Language Impairment and/or Reading Disability". The article is from Volume 56, April 2014, Pages 90-100. The authors listed are Dolores Girbau-Massana, Gracian Garcia-Martí, Luis Martí-Bonmatí, and Richard G. Schwartz. The DOI is https://doi.org/10.1016/j.neuropsychologia.2014.01.004.

The article highlights include:

- SLI is linked to lower gray matter volume at the right postcentral parietal gyrus.
- The greater cerebrospinal fluid volume may prove to be a marker for SLI.
- The link of language and knowledge representation to brain development is discussed.
- SLI+RD involves lower white matter volume in the inferior longitudinal fasciculus.
- The structural marker for SLI+RD is associated to reading comprehension and receptive language skills.

The abstract states: "We studied gray-white matter and cerebrospinal fluid (CSF) alterations that may be critical for language, through an optimized voxel-based morphometry evaluation in children with Specific Language Impairment (SLI), compared to Typical Language Development (TLD). Ten children with SLI (8;5-10;9) and 14 children with TLD (8;2-11;8) participated. They received a comprehensive language and reading test battery. We also analyzed a subgroup of six children with SLI+RD (Reading Disability). Brain images from 3-Tesla MRIs were analyzed with intelligence, age, gender, and total intracranial volume as covariates. Children with SLI or SLI+RD exhibited a significant lower overall gray matter volume than children with TLD. Particularly, children with SLI showed a significantly lower volume of gray matter compared to children with TLD in the right postcentral parietal gyrus (BA4), and left and right medial occipital gyri (BA19). The group with SLI also exhibited a significantly greater volume of gray matter in the right superior occipital gyrus (BA19), which may reflect a brain reorganization to compensate for their lower volumes at medial occipital gyri. Children with SLI+RD, compared to children with TLD, showed a significantly lower volume of: (a) gray matter in the right postcentral parietal gyrus; and (b) white matter in the right inferior longitudinal fasciculus."

The 3D neuroimaging viewer overlay, titled "Neuroimetry for this article", features a central 3D brain reconstruction. It includes a "Help" icon, a "Rotate" button with a dropdown menu set to "Right", and a "Reset" button. The viewer has three view modes: "3D Volume" (selected), "3D Contour", and "2D". The "Color" is set to "Active Map". There are sliders for "Zoom", "Threshold", and "Opacity". The "Cut planes" section has checkboxes for "Sagittal X", "Coronal Y", and "Axial Z", all of which are checked. A "Save data (6.9 MB)" button is located at the bottom of the viewer interface.

Geospatial Data on ScienceDirect

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Geospatial Data

- Document
- Supplement

Abstract: pneumococci; invasive; pneumococcal conjugate vaccine-type; invasive pneumococcal disease and pneumonia in unvaccinated subjects was shown in some studies for some age groups. In conclusion, pneumococcal disease decreased after the introduction of PH1D-CV into the Brazilian national immunization program. Further follow-up is needed to evaluate the long-term overall impact of PH1D-CV in the Brazilian population.


Abbreviations

AOM, acute otitis media; CI, confidence interval; CVE, Centro de Vigilância Epidemiológica; IAL, Instituto Adolfo Lutz; IPD, invasive pneumococcal disease; NS, statistically non-significant; NTHi, non-typeable *Haemophilus influenzae*; NVT, non-vaccine type; PCV, pneumococcal conjugate vaccine; PH1D-CV, pneumococcal *Haemophilus influenzae* protein D conjugate vaccine; PM, pneumococcal meningitis; RCTs, randomized controlled trials; SINAN, Notifiable Diseases Information System; VE, vaccine effectiveness; VT, vaccine-type

Keywords


Streptococcus pneumoniae; Brazil; Invasive pneumococcal disease; Pneumonia; Acute otitis media; Nasopharyngeal carriage

Geospatial data



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Geospatial data



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1. Introduction

The diseases caused by *Streptococcus pneumoniae* are a leading cause of morbidity and mortality in children <5 years-old worldwide, especially in developing countries [1–4]. Pneumococcal diseases come from life-threatening invasive pneumococcal diseases (IPD).

Supplementary 3D Models in ScienceDirect

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The image shows a ScienceDirect article page for "Evolutionary morphology of the hemolymph vascular system in scorpions: A character analysis". The article is from the journal "Arthropod Structure & Development", Volume 41, Issue 6, November 2012, Pages 545-560. The authors are B.-J. Klüßmann-Fricke, L. Prendin, and C.S. Wikner.

The article abstract states: "Phylogenetically informative characters from the internal anatomy of scorpions were first reported more than 150 years ago, but the subject received little attention after the mid-1920s. Recent investigations, using traditional dissection, illustration and histological sectioning, microscopy, and innovative new methods for investigating complex soft tissue anatomy identified a new wealth of variation. Additionally, these investigations confirmed the phylogenetic significance of previously identified structures. Building on earlier work we present a more detailed description of the hemolymph vascular system (HVS) in scorpions, based on comparison of the vascular structures of the heart and the branching pattern of the prosomal arteries among 45 exemplar species representing most of the major scorpion lineages. Using corrosion-casting, MicroCT in combination with computer-aided 3D-reconstruction, and scanning electron microscopy, we conceptualize a series of phylogenetically informative characters for the anterior aorta system and characters of the heart and associated structures (e.g. arrangement of the ostia) of scorpions. Furthermore, we optimize the possible evolution of these new characters on a previous hypothesis of scorpion phylogeny, and discuss alternative character state transformations, their evolutionary consequences, and possible underlying evolutionary mechanisms acting on the HVS."

The article includes a sidebar with "Article outline" (Abstract, Keywords, 1. Introduction, 2. Materials and methods, 3. Results, 4. Discussion, Acknowledgments, Appendix A. Supplementary data, References) and "Figures and tables" (Table 1, Table 2).

The 3D model viewer interface is shown on the right, titled "Supplementary 3D models". It features a "Model hierarchy" section with a "Left-click on the model to see the names of its elements" instruction. The viewer displays a 3D model of the scorpion's hemolymph vascular system, which is currently in a "Model is being loaded" state. The viewer includes interactive controls: "Rotate" (checkbox), "Zoom" (slider), "Display mode" (Surface), "Stereo" (Off), and "Save data (14.9 MB)".

Interactive Data Viewers on ScienceDirect

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The screenshot shows the ScienceDirect interface for the journal "Sensing and Bio-Sensing Research". The article title is "A novel ZnO piezoelectric microcantilever energy scavenger: Fabrication and characterization" by Deepak Bhatia, Himanshu Sharma, R.S. Meena, and V.R. Palkar. The article is available as an Open Access article.

The left sidebar contains an "Article outline" with sections: Highlights, Abstract, Keywords, and a numbered list of sections (1-5). Below this is a "Figures and tables" section with thumbnails for Table 1 and Table 2, and several images related to the microcantilever.

The main content area includes a "Highlights" section with the following bullet points:

- ZnO thin film microcantilever energy scavenger by simple and inexpensive wet etching and lift off method.
- The voltage induced due to deformation of ZnO cantilever were measured ~ 230 mV.
- Obtained values of Young's modulus and hardness are nearly constant for indentation depth.
- The transverse piezoelectric coefficients d_{31} is much higher compared and nearly closed to the ZnO bulk material.
- Integration with multifunctional multiferroic film enhances the piezoelectric properties and output voltage.

The "Abstract" section states: "This novel piezoelectric zinc oxide (ZnO) thin film microcantilever was fabricated by micromachining technique. To release the cantilever, wet anisotropic etching of Silicon (Si) was performed by tetramethyl ammonium hydroxide (TMAH). The transverse piezoelectric coefficient d_{31} of the ZnO film, obtained from the deflection of the cantilever with influence of applied voltage, was calculated as 3.32 pC/N. The observed dynamic characterization of the novel piezoelectric microcantilever had linear response with the applied driving voltage. The obtained values of Young Modulus and Hardness were 208 + 4 GPa and 4.84 + 0.1 GPa respectively. This inexpensive novel method

On the right side, there are sections for "Recommended articles" and "Citing articles (0)". The "Related book content" section features an "Interactive plots for this article" section, which is highlighted with a red circle. This section includes a "Plot" and a "Data table" tab. The plot shows a resonance peak at approximately 82.5 KHz. The Y-axis is labeled "Magnitude (dB)" and the X-axis is labeled "Frequency (KHz)".

Frequency (KHz)	Magnitude (dB)
5.6	-20.5
23.8	-12.6
53.1	-4.8
82.5	10.9
111.8	-12.6

Chemical Compound Viewer on ScienceDirect

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Carbohydrate Research
Volume 400, 5 December 2014, Pages 44–53

Synthesis of a heparin-related GlcN–IdoA sulfation-site variable disaccharide library and analysis by Raman and ROA spectroscopy

Gavin J. Miller^a, Sleen U. Hanson^a, Mark Barst^{a,b}, Christian Johannessen^{b,c}, Ewan W. Blanch^a, Gordon C. Jayson^d, John M. Gardiner^a

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Highlights

- Synthesis of a matrix of sulfation-programmed GlcN–IdoA disaccharides.
- Demonstrates effective synthesis using various GlcN donors and Ido acceptor.
- Four homogeneous sulfation-varied heparin disaccharides used to obtain Raman and Raman ROA data.
- Spectra provide indicative comparisons of signature sulfation bands for differing sulfation levels.
- Data are used to provide comparisons/differences to native heparin spectra.

Abstract

Synthesis of an array of differentially sulfated GlcN–IdoA disaccharides, accessible on good scale, directly from L-Iduronate components is described. These are specifically directed to provide the sulfation variability at the key most common biological relevant sulfation-variable L-IdoA O-2 and D-GlcN O-6 and amino sites of this heparin disaccharide. This sulfation-varied matrix has allowed the first evaluation of using Raman/ROA spectroscopy to characterize changes in spectra as a function of both site and level of sulfation with pure, defined heparin-related disaccharide species. This provides analysis of both similarities and differences to digest native heparin and this shows evidence of different types of changes in conformations and conformational freedom as a function of some specific sulfation changes at the disaccharide level. It is

Key compounds in this article

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Antibody Data on ScienceDirect

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Article outline

- Summary
- Introduction
- Results
- Discussion
- Experimental Procedures
- Acknowledgments
- Supplemental Information
- References
- Supplemental References

Figures and tables

channels.

Results

A Screen for Synaptic Proteins Binding to Ca²⁺ Channels

We performed yeast two hybrid screens for proteins that interact with the cytoplasmic C-terminal sequences of P/Q- and N-type Ca²⁺ channels. We chose these Ca²⁺ channel baits because P/Q- and N-type Ca²⁺ channels mediate nearly all presynaptic Ca²⁺ influx, and their C termini have been implicated in targeting Ca²⁺ channels to the active zone (Catterall et al., 2005). The C termini of N- and P/Q-type Ca²⁺ channels contain three conserved sequence motifs (Figure 1A and Figure S1A available online): an SH3 domain-binding motif (RDLQGT), a PNGY motif, and a C-terminal sequence motif (DxWC). Among 84 and 134 independent prey clones obtained in P/Q- and N-type Ca²⁺ channel screens, 33 and 16 prey clones, respectively, represented RIM-BPs (Figure 1B), consistent with earlier studies (Hibino et al., 2002). In addition, 2 and 3 independent prey clones, respectively, contained RIM1 fragments, whose only overlapping sequence encoded the PDZ domain (Figure 1C).

Data for this Article

Mouse Genome Informatics
Genes, expression, function, phenotypes for mice

Data for this Article

Mouse Genome Informatics
Genes, expression, function, phenotypes for mice

Audioslides on ScienceDirect

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The image shows a screenshot of the ScienceDirect website. The main article is titled "Anatomy of a megathrust: The 2010 M8.8 Maule, Chile earthquake rupture zone imaged using seismic tomography" by Stephen P. Hicks et al. The article is published in Earth and Planetary Science Letters, Volume 405, 1 November 2014, Pages 142–155. The article is available under a Creative Commons license.

The article outline includes:

1. Introduction
2. Characteristics of the Central Chile...
3. The 2010 Maule earthquake
4. Seismic data
5. Velocity inversion strategy
6. Inversion resolution
7. Results and discussion
8. Conclusions

The abstract states: "Knowledge of seismic velocities in the seismogenic part of subduction zones can reveal how material properties may influence large ruptures. Observations of aftershocks that followed the 2010 M_w 8.8 Maule, Chile earthquake provide an exceptional dataset to examine the physical properties of a megathrust rupture zone. We manually analysed aftershocks from onshore seismic stations and ocean bottom seismometers to derive a 3-D velocity model of the rupture zone using local earthquake tomography. From the trench to the magmatic arc, our velocity model illuminates the main features within the subduction zone. We interpret an east-dipping high P-wave velocity anomaly (>6.9 km/s) as the subducting oceanic crust and a low P-wave velocity (<6.25 km/s) in the marine forearc as the accretionary complex. We find two large P-wave velocity anomalies (~ 7.8 km/s) beneath the coastline. These velocities indicate an ultramafic composition, possibly related to extension and a mantle upwelling during the Triassic. We assess the role played by physical heterogeneity in governing megathrust behaviour. Greatest slip during the Maule earthquake occurred in areas of moderate P-wave velocity (6.5–7.5 km/s), where the interface is structurally more uniform. At shallow depths, high fluid pressure likely influenced the up-dip limit of seismic activity. The high velocity bodies lie above portions of the plate interface where there was reduced coseismic slip and minimal postseismic activity. The northern velocity anomaly may have acted as a structural discontinuity within the forearc, influencing the pronounced crustal seismicity in the Pichilemu region. Our work provides evidence for how the ancient

The inset shows the audio slide player interface for the article. It features a title "View author presentation" and the article title "Anatomy of a megathrust: the 2010 M8.8 Maule, Chile earthquake rupture zone imaged using seismic tomography" by Stephen P. Hicks et al. The presentation is 8 slides long and 04:59 minutes. The interface includes navigation controls (back, forward, search, etc.) and a "Report inappropriate content in this presentation" button.

Author Videos on ScienceDirect

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The image shows a screenshot of a ScienceDirect article page. The article is titled "Small representations, string instantons, and Fourier modes of Eisenstein series" from the Journal of Number Theory, Volume 146, January 2015, Pages 187-309. The authors listed are Michael B. Green, Stephen D. Miller, and Pierre Vanhove. The abstract discusses novel features of maximal parabolic Eisenstein series and their applications in string theory.

On the right side of the article page, there is a section titled "Author video for this article" with a play button icon. Below this, a video player shows three authors (Michael B. Green, Stephen D. Miller, and Pierre Vanhove) sitting in front of a chalkboard. A blue callout box highlights this video player, showing a larger view of the video with the authors' names overlaid at the bottom. Below the video player, there is a "Download video" button.

The ScienceDirect interface includes a search bar at the top, navigation links for Journals, Books, and user profile information. The article page also features a table of contents on the left, a list of figures and tables, and a sidebar with recommended articles and citing articles.

Featured Multimedia on ScienceDirect

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Contributors

AC and JY initiated and coordinated the Seminar. All authors contributed to the writing of the paper.

Conflicts of Interest

KR has applied to various Canadian government schemes to commercialise a new version of the Frailty Index based on a comprehensive geriatric assessment and a new screening method, adapted from the Clinical Frailty Scale of the Canadian Study of Health and Aging. To do this, with colleagues he has formed a company called Videx Canada. He has not asserted copyright on any frailty measure discussed here. The other authors declare that they have no conflicts of interest.

Acknowledgments

Acknowledgments

We thank Deirdre Andre, research support librarian at the University of Leeds (Leeds, UK) for her assistance in the creation and running of the search strategy for this Seminar.

Supplementary Material



[Download video \(26MB\)](#)

[Help with mp4 files](#)

Supplementary video. More efficient methods to detect frailty and measure its severity in routine clinical practice need to be developed, especially methods that are useful for primary care.

References

1. Kinsella, DR, Phillips
Global aging: the challenge of success. Population bulletin, vol. 60, Population Reference Bureau, Washington (2005), no. 1.
2. United Nations

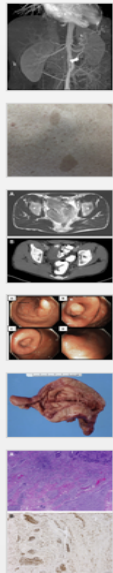
Interactive Questions on ScienceDirect

Interactive questions help test your researchers' comprehension of the research presented– important when they are expected to be experts in their field

The image shows a screenshot of a ScienceDirect article page. The article title is "Surgical management of an appendiceal neurofibroma in a neurofibromatosis-1 patient: A case report" from the Journal of Pediatric Surgery Case Reports. The article is highlighted as an "Open Access" piece. The abstract discusses the case of a young adult with a previous NF1 diagnosis who presented with symptoms concerning for appendicitis. A callout box titled "Interactive Questions" is overlaid on the right side of the page, containing a question: "What is the primary form of treatment for symptomatic Neurofibromatosis-1?". Below the question are five radio button options: Radiation Therapy, Immunotherapy, Surgical Excision, and Chemotherapy. A "Test" button is located at the bottom of the callout box. The article page also features a sidebar with "Article outline" and "Figures and tables", and a "Highlights" section with three bullet points.

- Article outline**
- Highlights
 - Abstract
 - Key words
 - 1. Case report
 - 2. Discussion
 - 3. Conclusion
 - Conflicts of interest statement
 - Supplementary data
 - References

Figures and tables



- Table 1
- Table 2
- Interactive Case Insights

Journal of Pediatric Surgery Case Reports
 Volume 3, Issue 11, November 2015, Pages 492–495
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 Open Access

Surgical management of an appendiceal neurofibroma in a neurofibromatosis-1 patient: A case report

Averi Wilson^a, John Stojis^a, Richard Andrassy^c, Sadhna Dhingra^a, Mary Austin^{a,*,1}
<http://dx.doi.org/10.1016/j.epsc.2015.09.011>
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- Highlights**
- We present a Neurofibromatosis-1 patient with an appendiceal neurofibroma.
 - Appendiceal neurofibromas are a rare manifestation of Neurofibromatosis-1.
 - The primary treatment for symptomatic Neurofibromatosis-1 is surgical excision.
 - Neurofibromatosis-1 patients present with a unique set of surgical risk factors.

Abstract
 Neurofibromatosis-1 (NF1) is an autosomal dominant disease with an incidence of 1 in every 2500 to 3000 births [1]. Although neurofibromas that result from the NF1 gene mutation are typically benign, they may cause complications by compressing neighboring structures or undergoing malignant transformation. The various manifestations and symptoms of NF1 may cause a number of complications throughout childhood and into adulthood, and patients often require surgical management of these complications. A young adult with a previous NF1 diagnosis presented with symptoms concerning for appendicitis. Subsequent imaging and biopsy revealed a rare appendiceal neurofibroma. The patient underwent an ileocecectomy and pathology confirmed the diagnosis of appendiceal neurofibroma. The variety of symptoms and complications associated with NF1, such as vascular abnormalities and airway obstruction, create unique surgical risks for these patients. These risks should be understood and accounted for by surgeons who may encounter NF1 patients.

Key words
 Neurofibromatosis; Neurofibroma; Appendix

Interactive Questions 1 / 4

What is the primary form of treatment for symptomatic Neurofibromatosis-1?

- Radiation Therapy
- Immunotherapy
- Surgical Excision
- Chemotherapy

Test

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THE LANCET

Volume 381, Issue 9868, 2-8 March 2013, Pages 752-762

Seminar

Frailty in elderly people

Dr Andrew Clegg MD^{a,*,}, Prof John Young MBBS^{a,}, Prof Steve Iliffe MBBS^{b,}, Prof Marçal Ode Rikkers PhD^{c,}, Prof Kenneth Rockwood MD^d

[https://doi.org/10.1016/S0140-6736\(12\)62167-9](https://doi.org/10.1016/S0140-6736(12)62167-9) Get rights and content

Referred to by Department of Error
The Lancet, Volume 382, Issue 9901, 19-25 October 2013, Pages 1328
[PDF \(119KB\)](#)

Summary

Frailty is the most problematic expression of population ageing. It is a state of vulnerability to poor resolution of homeostasis after a stressor event and is a consequence of cumulative decline in many physiological systems during a lifetime. This cumulative decline depletes homeostatic reserves until minor stressor events trigger disproportionate changes in health status. In landmark studies, investigators have developed valid models of frailty and these models have allowed epidemiological investigations that show the association between frailty and adverse health outcomes. We need to develop more efficient methods to detect frailty and measure its severity in routine clinical practice, especially methods that are useful for primary care. Such progress would greatly inform the appropriate selection of elderly people for invasive procedures or drug treatments and would be the basis for a shift in the care of frail elderly people towards more appropriate goal-directed care.

Introduction

Population ageing is accelerating rapidly worldwide, from 461 million people older than 65 years in 2004 to an estimated 2 billion people by 2050,^{1,2} which has profound implications for the planning and delivery of health and social care. The most problematic expression of population ageing is the clinical condition of frailty. Frailty develops as a consequence of age-related decline in many physiological systems, which collectively results in vulnerability to sudden health status changes triggered by minor stressor events. Between a quarter and half of people older than 85 years are estimated to be frail, and these people have a substantially increased risk of falls, disability, long-term care, and death.^{3,4} However, up to three-quarters of people older than 85 years might not be frail, which raises questions about how frailty develops, how it might be prevented, and how it can be detected reliably.

Definition and presentations

Frailty is a state of increased vulnerability to poor resolution of homeostasis after a stressor event, which increases the risk of adverse outcomes, including falls, delirium, and disability.^{3,5,6} Frailty is a term established clinical expression that implies exposure about an

Recommended articles

Frailty Consensus: A Call to Action
Journal of the American Medical Directors Association
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Frailty assessment in elderly people
The Lancet, Volume 381, Issue 9862, 2013, pp. 1985-...
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Frailty in the clinical scenario
The Lancet, Volume 385, Issue 9968, 2015, pp. e7-49
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Blog Mentions: 2

News Mentions: 2

Social Media

Shares, Likes & Comments: 23

+1s: 1

Tweets: 140

Citations

Citation Indexes: 945

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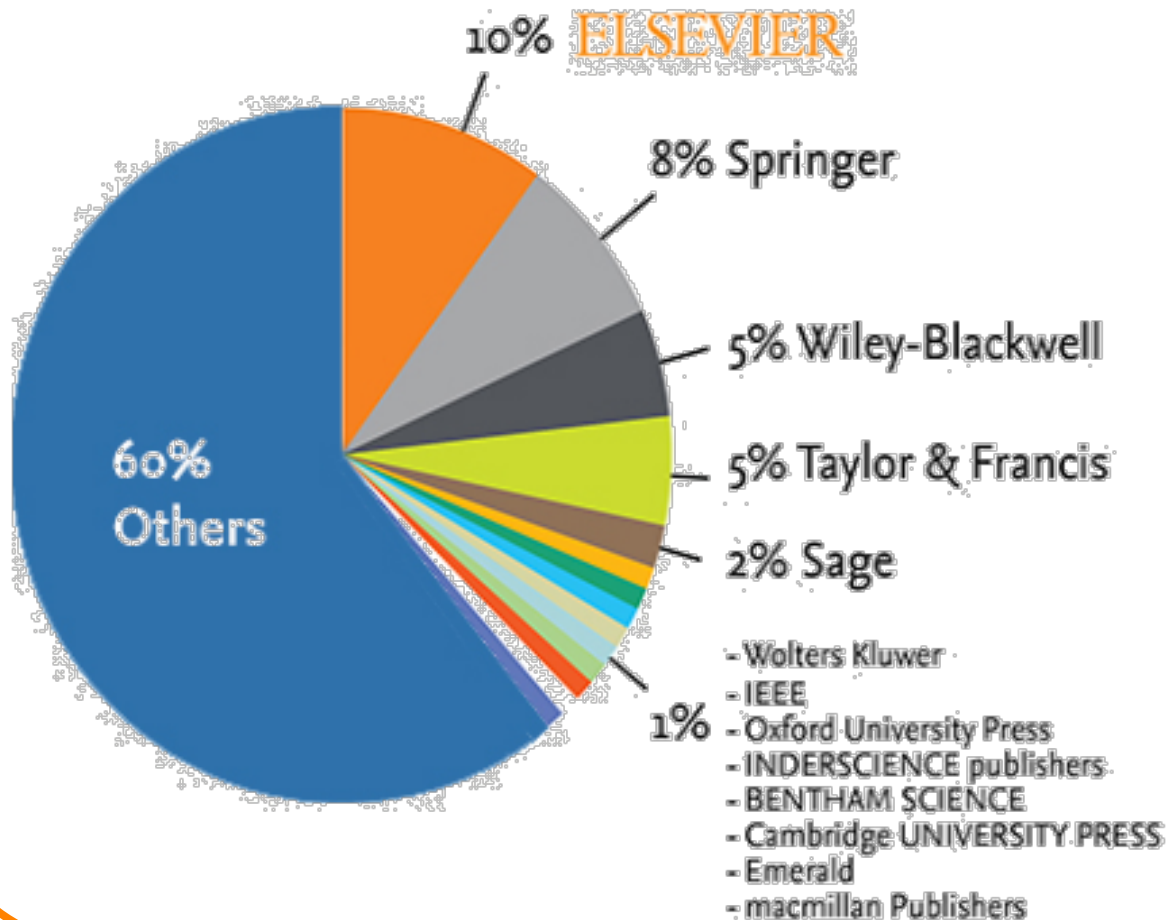
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Social Sciences	<ul style="list-style-type: none"> • Full metadata, abstracts and cited references (refs post-1970 only) • Funding data from acknowledgements • Citations back to 1970 	Mainly Engineering and Computer Sciences	1.2M items	
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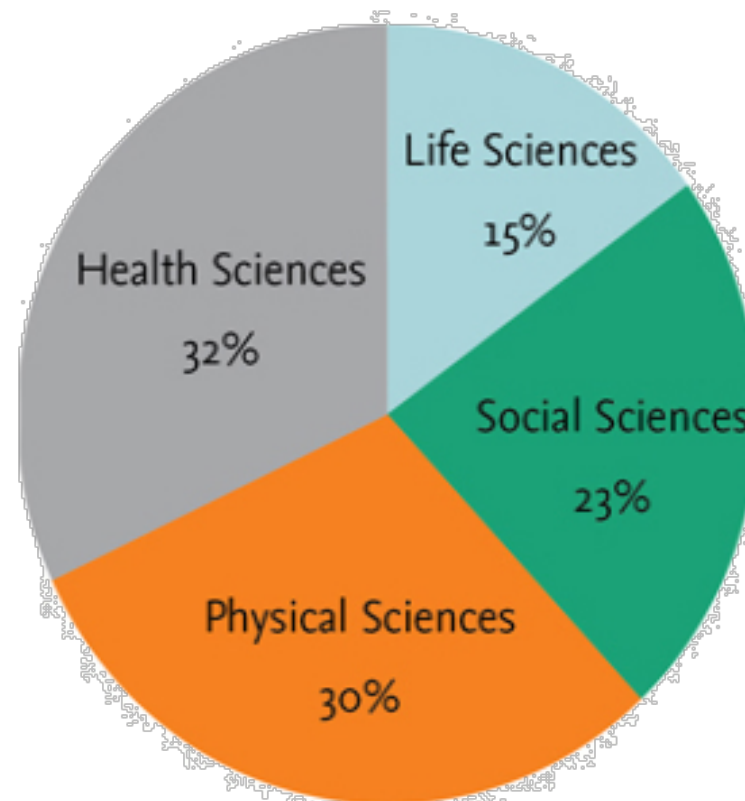
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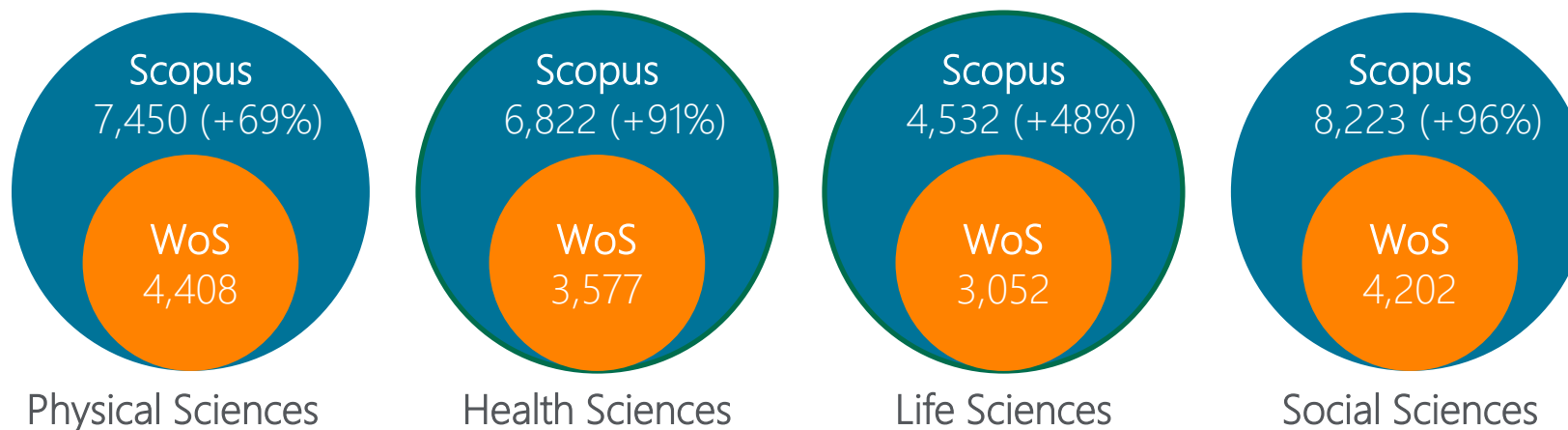
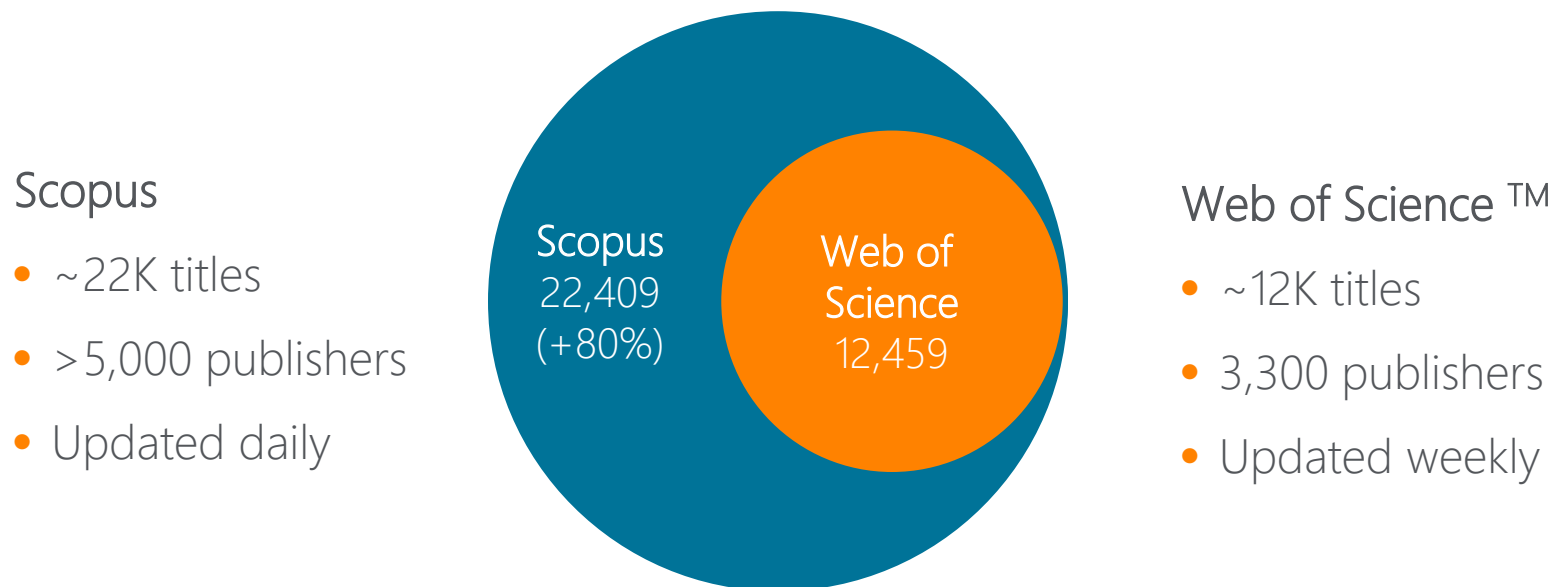
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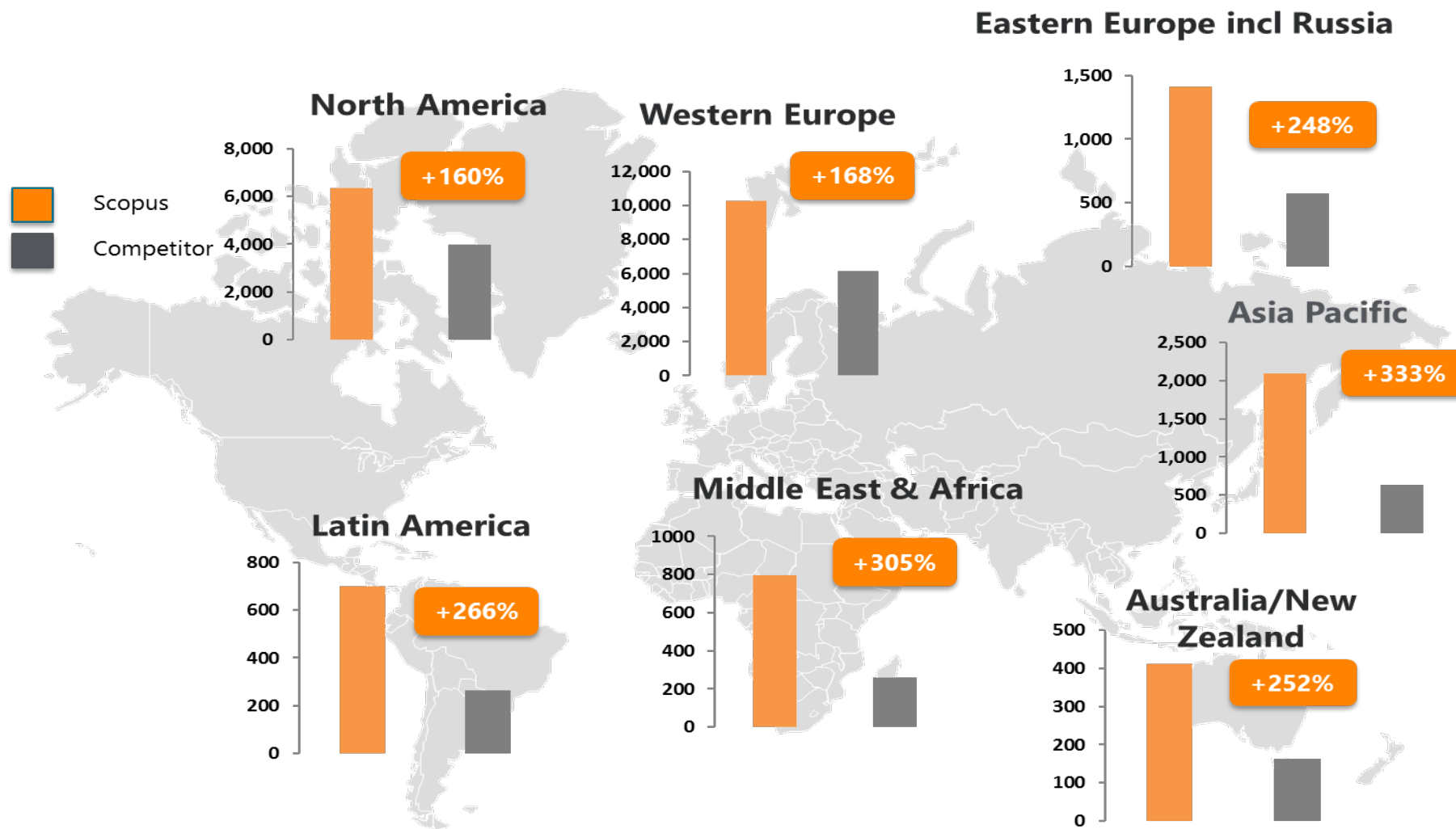


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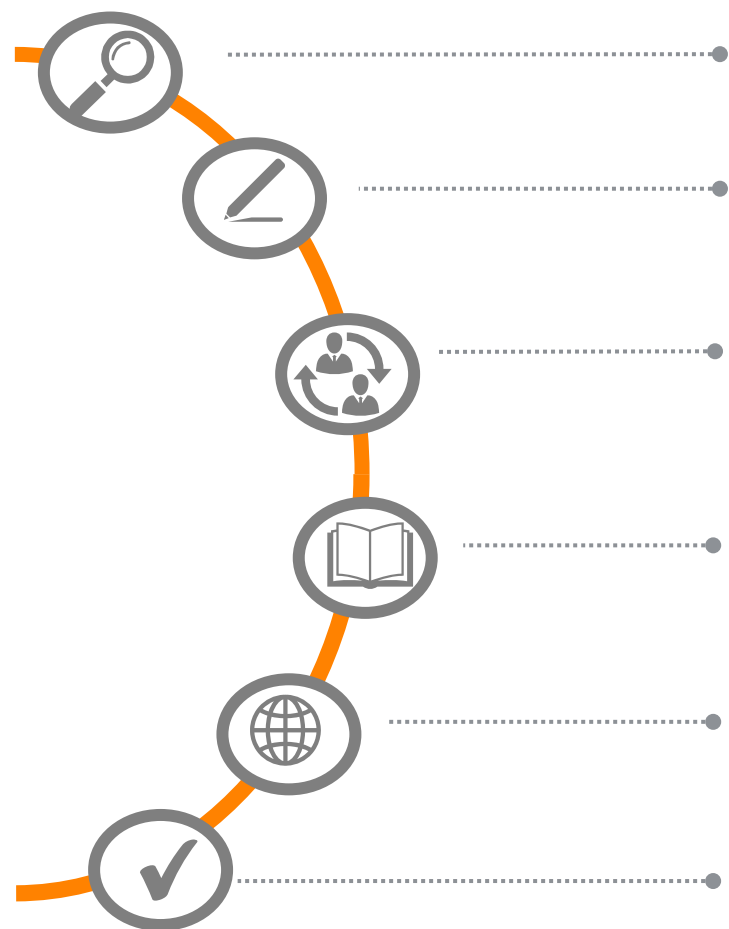
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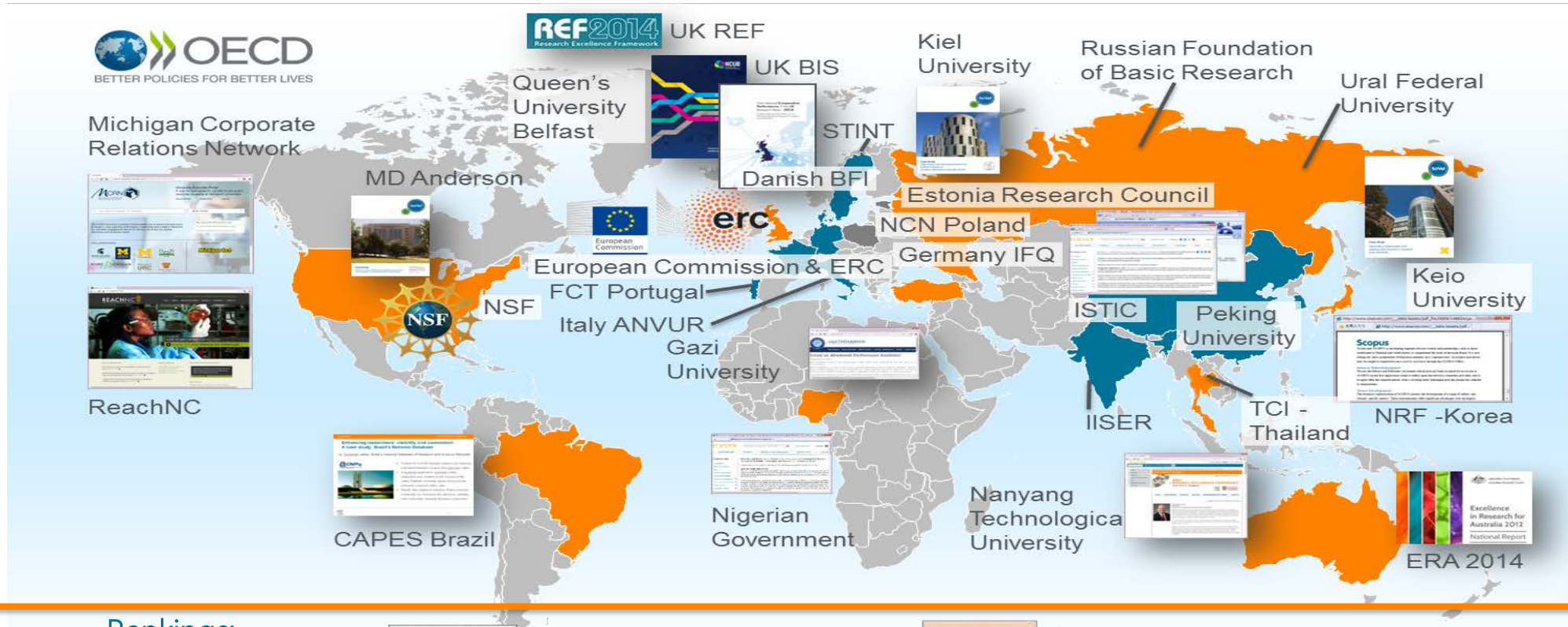
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W H Y

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Around 4.5M+ articles will be re-processed to include cited references. In addition around 7.5M pre-1996 articles will be backfilled

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When used correctly, research metrics together with qualitative input give a balanced, multi-dimensional view for decision-making.



The diagram features two vertical bars with rounded tops. The left bar is blue and the right bar is orange. A blue dashed line with a dot at the end points from the text 'Golden Rule # 2' to the blue bar. An orange dashed line with a dot at the end points from the text 'Golden Rule # 1' to the orange bar.

Golden Rule # 2

Always use **more than one research metric** as the quantitative input

Golden Rule # 1

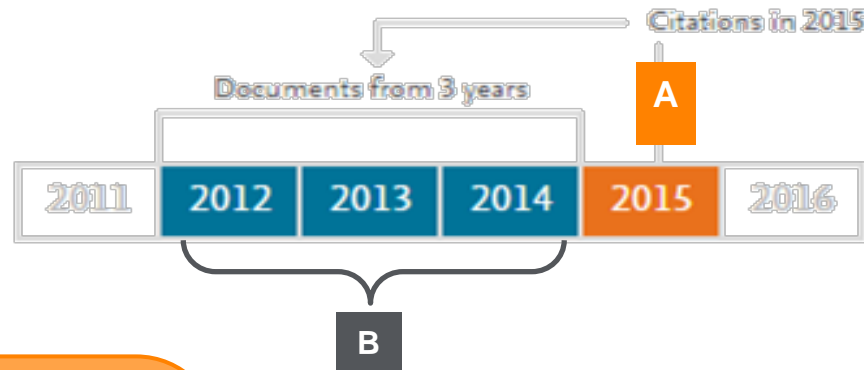
Always use both **qualitative and quantitative input** into your decisions

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CiteScore : CiteScore calculates the average number of citations received in a calendar year by all items published in that journal in the preceding 3 years. Calculation is below:

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Journal Level Metrics in Scopus®

2

SNIP – Source Normalized Impact per paper :

- It is developed by Henk Moed - CWTS (Centre for Science and Technology Studies)- Leiden University
- It Measures the average citation impact of the publications of a journal, correcting for the differences in citation practices between scientific fields and therefore allowing for more accurate between-field comparisons of citation impact.
- Its calculation is based on last 3 years.

It is field-normalized and allows us the direct comparison of sources in different subject fields!

3

SJR – SCImago Journal Rank:

- It is developed by by Felix de Moya, CSIC (Spanish Research Council)
- It is a Prestige metric -advocates not all citations are the same
- Citations are weighted depending on the status of the source they come from.
- **The subject field, quality and reputation of the journal has a direct impact on the value of a citation. This means that a citation from a source with a relatively high SJR is worth more than a citation from a source with a lower SJR**
- Its calculation is based on last 3 years.

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1 Citation Count: indicates how many times a paper was cited (according to the data in Scopus)

2 FWCI – Field Weighted Citation Impact: indicates how well the paper is doing in comparison to others in the same field. The numerator contains the number of citations and the denominator contains the expected citation count, typical for an average paper in the field. Data is sourced from SciVal.

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3 Citation Benchmarking: compares your paper with others in the same field. Citation data is collected for a period of 18 months and is compared with at least 2500 papers of the same type and from same field. Therefore, it is not available for each article.

4 Mendeley: shows how many Mendeley users have this article in their libraries. It is an indicator of readability of the article.

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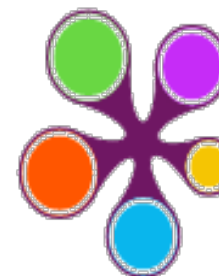
H- index :

- It is Originated by Jorge Hirsch in 2005
- A group of papers has index **h** if **h** of the papers have at least **h** citations each, and the other papers have no more than **h** citations each.
- Attempts to measure both the productivity and impact of the published work of a scholar

If an author's h-index is 10, it means he has 10 articles that each of them have at least 10 citations !

Acquisition of Plum Analytics

By embedding the alt metrics, Scopus now visualizes scholarly engagement!
It includes 5 categories of metrics:



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MENTIONS

(blog posts, comments, reviews, Wikipedia links)



SOCIAL MEDIA

(+1s, likes, shares, tweets)



CITATIONS

(citation indexes, patent citations, clinical citations)

Plum tracks activity from **>45 platforms**, and we continue to invest more:



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Usage

Clicks: **814**
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Captures

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Readers: **86**

Mentions

Blog Mentions: **3**
Comments: **8**
Links: **1**

Social Media

Shares: **23**
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Score: **4**
Tweets: **114**

Citations

Clinical Citations: **4**
Citations: **298**

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Acquisition of Plum Analytics

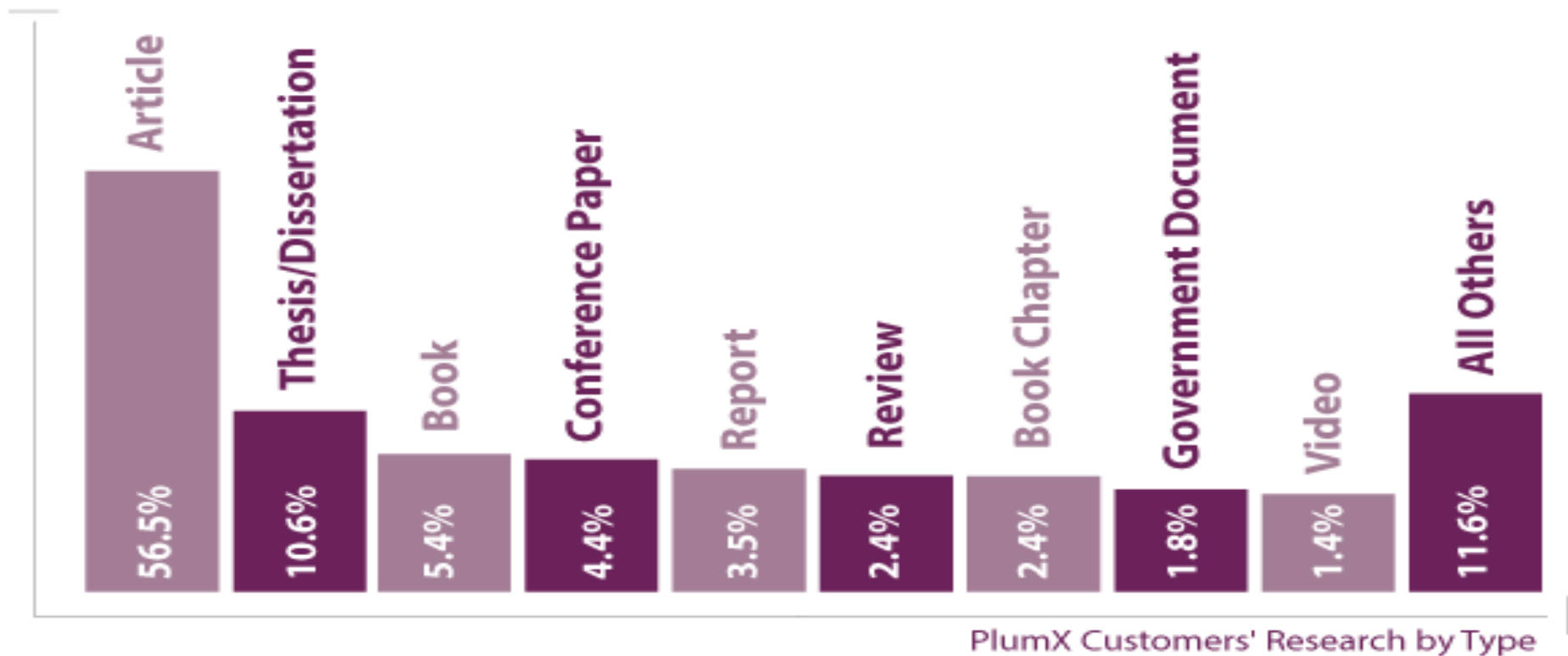
Plum Analytics customers measure many types of research output. While articles are still the largest component, they are only just over 50% of everything considered research output.

What is Research Output?

There are **67** ARTIFACT TYPES

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Acquisition of Plum Analytics

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Outline

- Summary
- Introduction
- Definition and presentations
- Pathophysiology
- Pathway
- The frail brain
- The frail endocrine system
- The frail immune system
- Frail skeletal muscle (sarcopenia)
- Frailty models
- Epidemiology
- Prevalence
- Outcomes
- Instrumentation
- Interventions
- Conclusions
- Search strategy and selection criteria
- Acknowledgments
- Supplementary Material
- References

Show full outline

Figures (2)

Tables (1)

Table

Extras (1)

Supplementary video

THE LANCET

Volume 381, Issue 9868, 2-8 March 2013, Pages 752-762

Seminar

Frailty in elderly people

Dr Andrew Clegg MD^{a,*,}, Prof John Young MBBS^{a,}, Prof Steve Iliffe MBBS^{b,}, Prof Marcel Oude Rijkart PhD^{c,}, Prof Kenneth Rockwood MD^d

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[https://doi.org/10.1016/S0140-6736\(12\)62167-9](https://doi.org/10.1016/S0140-6736(12)62167-9) [Get rights and content](#)

Referred to by Department of Error
The Lancet, Volume 382, Issue 9901, 19-25 October 2013, Pages 1328
[PDF \(119KB\)](#)

Summary

Frailty is the most problematic expression of population ageing. It is a state of vulnerability to poor resolution of homeostasis after a stressor event and is a consequence of cumulative decline in many physiological systems during a lifetime. This cumulative decline depletes homeostatic reserves until minor stressor events trigger disproportionate changes in health status. In landmark studies, investigators have developed valid models of frailty and these models have allowed epidemiological investigations that show the association between frailty and adverse health outcomes. We need to develop more efficient methods to detect frailty and measure its severity in routine clinical practice, especially methods that are useful for primary care. Such progress would greatly inform the appropriate selection of elderly people for invasive procedures or drug treatments and would be the basis for a shift in the care of frail elderly people towards more appropriate goal-directed care.

Introduction

Population ageing is accelerating rapidly worldwide, from 461 million people older than 65 years in 2004 to an estimated 2 billion people by 2050,^{1,2} which has profound implications for the planning and delivery of health and social care. The most problematic expression of population ageing is the clinical condition of frailty. Frailty develops as a consequence of age-related decline in many physiological systems, which collectively results in vulnerability to sudden health status changes triggered by minor stressor events. Between a quarter and half of people older than 85 years are estimated to be frail, and these people have a substantially increased risk of falls, disability, long-term care, and death.^{3,4} However, up to three-quarters of people older than 85 years might not be frail, which raises questions about how frailty develops, how it might be prevented, and how it can be detected reliably.

Definition and presentations

Frailty is a state of increased vulnerability to poor resolution of homeostasis after a stressor event, which increases the risk of adverse outcomes, including falls, delirium, and disability.^{3,5,6} Frailty is a term established clinical expression that implies exposure about an

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Frailty Consensus: A Call to Action
Journal of the American Medical Directors Association
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Frailty assessment in elderly people
The Lancet, Volume 381, Issue 9862, 20-3, pp. 1985-...
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The Lancet, Volume 385, Issue 9968, 2015, pp. e7-49
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Article Metrics

Captures

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Journal of Biological Chemistry
Volume 285, Issue 53, 31 December 2010, Pages 41935-41946

Intrarenal renin-angiotensin system revisited: Role of megalin-dependent endocytosis along the proximal nephron (Article)

Pohl, M.^a, Kaminski, H.^a, Castrop, H.^a, Bader, M.^c, Himmerkus, N.^d, Bleich, M.^d, Bachmann, S.², Thellig, F.²

^aInstitute of Anatomy, Charité Universitätsmedizin, 10115 Berlin, Germany

^bInstitute of Physiology, University Regensburg, 93053 Regensburg, Germany

^cMax-Delbrück Center for Molecular Medicine, 13092 Berlin, Germany

View additional affiliations >

Abstract

The existence of a local renin-angiotensin system (RAS) of the kidney has been established. Angiotensinogen (AGI), renin, angiotensin-converting enzyme (ACE), angiotensin receptors, and high concentrations of luminal angiotensin II have been found in the proximal tubule. Although functional data have documented the relevance of a local RAS, the dualism between biosynthesis and endocytotic uptake of its components and their cellular processing has been incompletely understood. To resolve this, we have selectively analyzed their distribution, endocytosis, transcytosis, and biosynthesis in the proximal tubule. The presence of immunoreactive AGI, restricted to the early proximal tubule, was due to its retrieval from the ultrafiltrate and storage in endosomal and lysosomal compartments. Cellular uptake was demonstrated by autoradiography of radiolabeled AGI and depended on intact endocytosis. AGI was identified as a ligand of the multiple ligand-binding repeats of megalin. AGI biosynthesis was restricted to the proximal straight tubule, revealing substantial AGI mRNA expression. Transgenic AGI overexpression under the control of an endogenous promoter was also restricted to the late proximal tubule. Proximal handling of renin largely followed the patterns of AGI, whereas its local biosynthesis was not significant. Intracellular transport of AGI in a proximal cell line revealed a 5% recovery rate after 1 h. ACE was expressed along late proximal brush-border membrane, whereas ACE2 differed as a function of endocytosis. Our data on the localization and cellular processing of RAS components provide new aspects of the functional concept of a "self-contained" renal RAS. © 2010 by The American Society for Biochemistry and Molecular Biology, Inc.

Indexed keywords

Compendex keywords

Angiotensin II, Angiotensin-converting enzyme, Cell lines, Cellular uptake, Endogenous promoters, Functional data, High concentration, Ligand binding, mRNA expression, Overexpression, Recovery rate, Renin-angiotensin system, Surface expression, Transcytosis, Transgenic

Engineering controlled terms:

Biochemistry, Bioinformatics, Cell culture, Radiography

Engineering main heading:

Molecular biology

EMTREE drug terms:

angiotensin converting enzyme 2, angiotensinogen, dipeptidyl carboxypeptidase, megalin, messenger RNA

EMTREE medical terms:

animal cell, article, biosynthesis, controlled study, endocytosis, endosome, immunoreactivity, kidney proximal tubule, lysosome, male, nonhuman, priority journal, protein binding, protein expression, protein localization, protein transport, rat, renin-angiotensin aldosterone system, transcytosis

MeSH:

Animals, Animals, Genetically Modified, Endocytosis, Endosome, Human, Kidney, LDL-Receptor Related Protein 2, Lysosome, Male, Mice, Mice, Knockout, Nephron, Rats, Rats, Sprague-Dawley, Renin-Angiotensin System

Chemicals and CAS Registry Numbers:

angiotensinogen, 11002-13-4, 64315-16-8; dipeptidyl carboxypeptidase, 9015-82-1;

LDL-Receptor Related Protein 2

Metrics View all metrics >

75 Citations in Scopus

Web Presence

4.23 Field-Weighted Citation Impact

PlumX Metrics
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Captures	
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Citations	
Citations-Indonesic	62
see details	

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Blood Pressure Lowering and Safety Improvements with Liver Angiotensinogen Inhibition in Models of Hypertension and Kidney Injury

Mullick, A.E., Yeh, S.T., Graham, M.J. (2017) *Hypertension*

Intravital imaging of the kidney in a rat model of salt-sensitive hypertension

Endres, B.T., Sandoval, R.M., Rhodes, G.J. (2017) *American Journal of Physiology - Renal Physiology*

Recent Advances in Angiotensin Research

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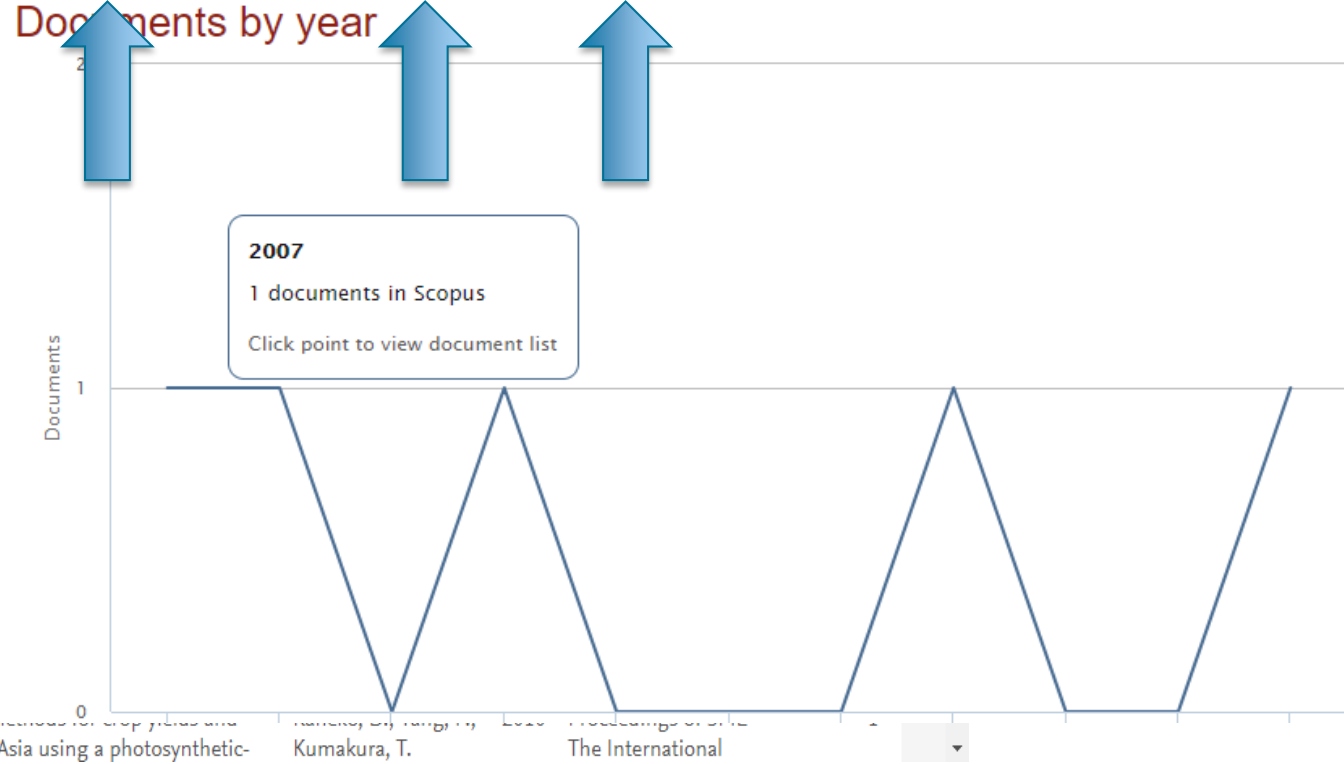
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Year	Documents
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2015	0
2014	1
2013	0
2012	0
2011	0
2010	1
2009	0
2008	1
2007	1



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Author name

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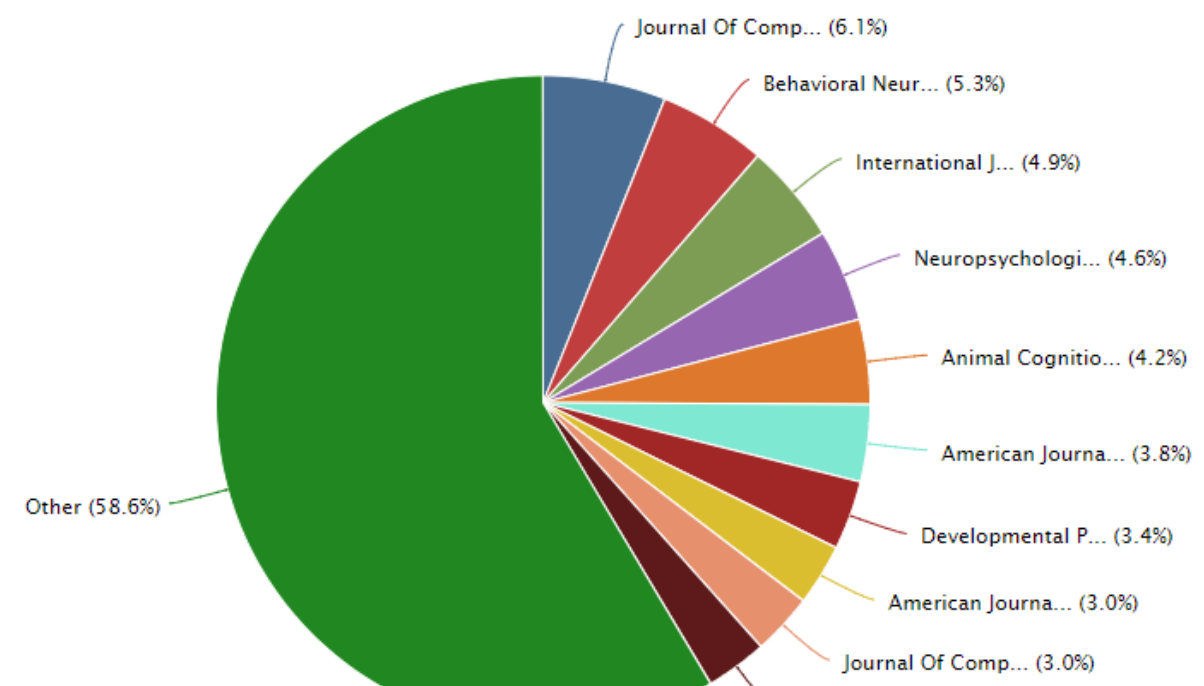
Hopkins, William D. [Back to author details page](#)
 Georgia State University, Atlanta, United States
 Author ID:7201639143

Documents (263) | h-index (50) | Citations (7810) | Co-authors (150)

by source | by type | by year | by subject area

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International Journal Of Primatology	13
Neuropsychologia	12
Animal Cognition	11
American Journal Of Primatology	10
Developmental Psychobiology	9
American Journal Of Physical Anthropology	8
Journal Of Comparative Psychology	8
Plos One	8
Cerebral Cortex	7
Journal Of Comparative Neurology	7
Laterality	7

Documents by source



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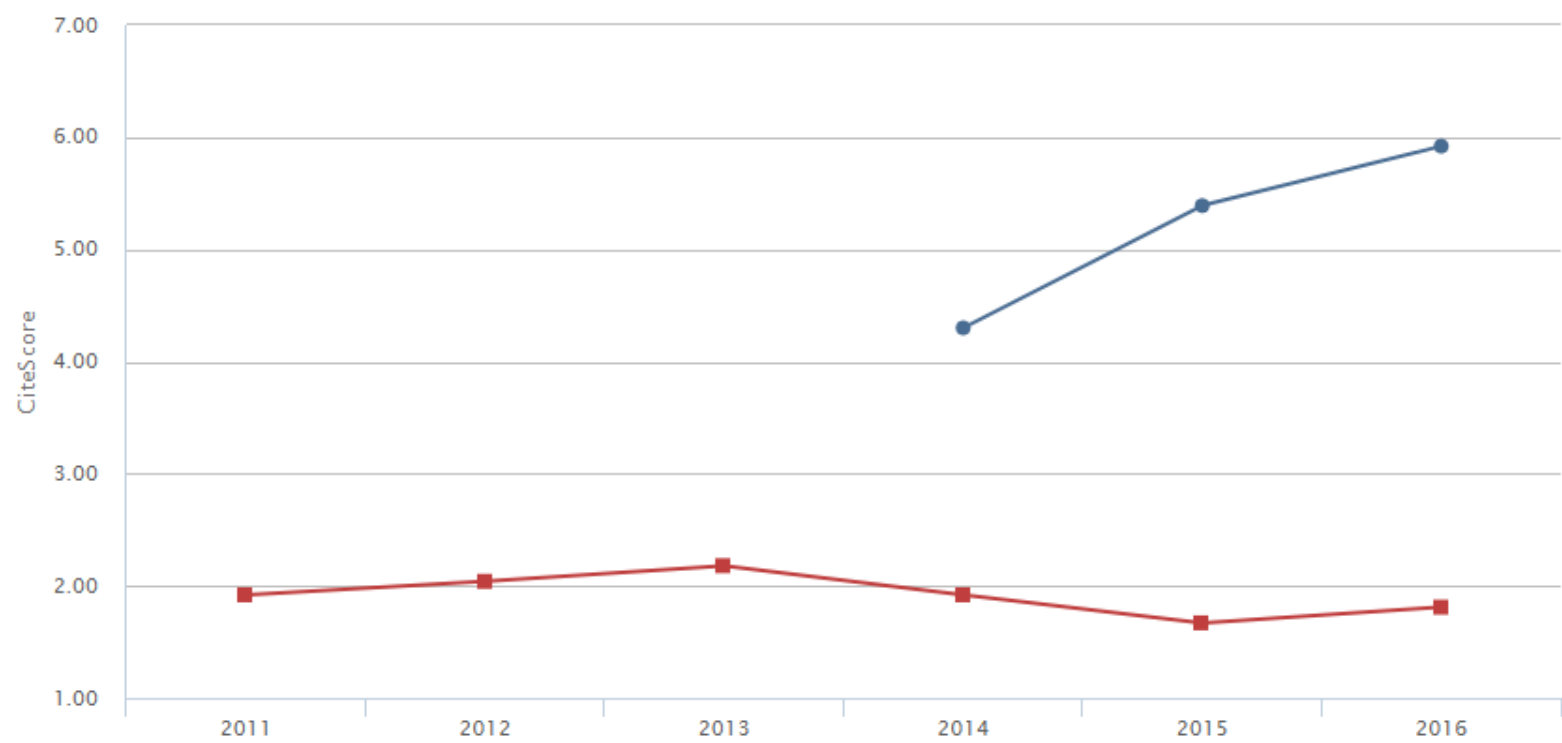
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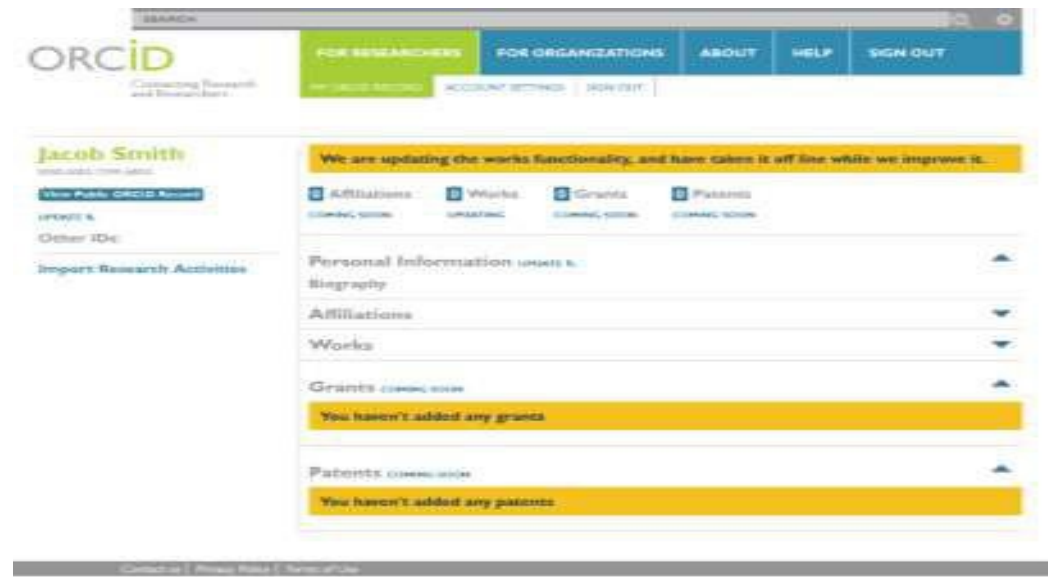
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Dr. James Smith



Dr. James Smith
46533489

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ORCID aims to solve the name ambiguity problem in research and scholarly communications by creating a central registry of unique identifiers for individual researchers



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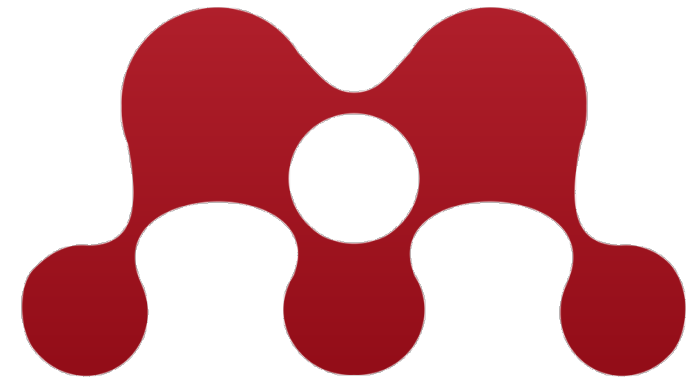
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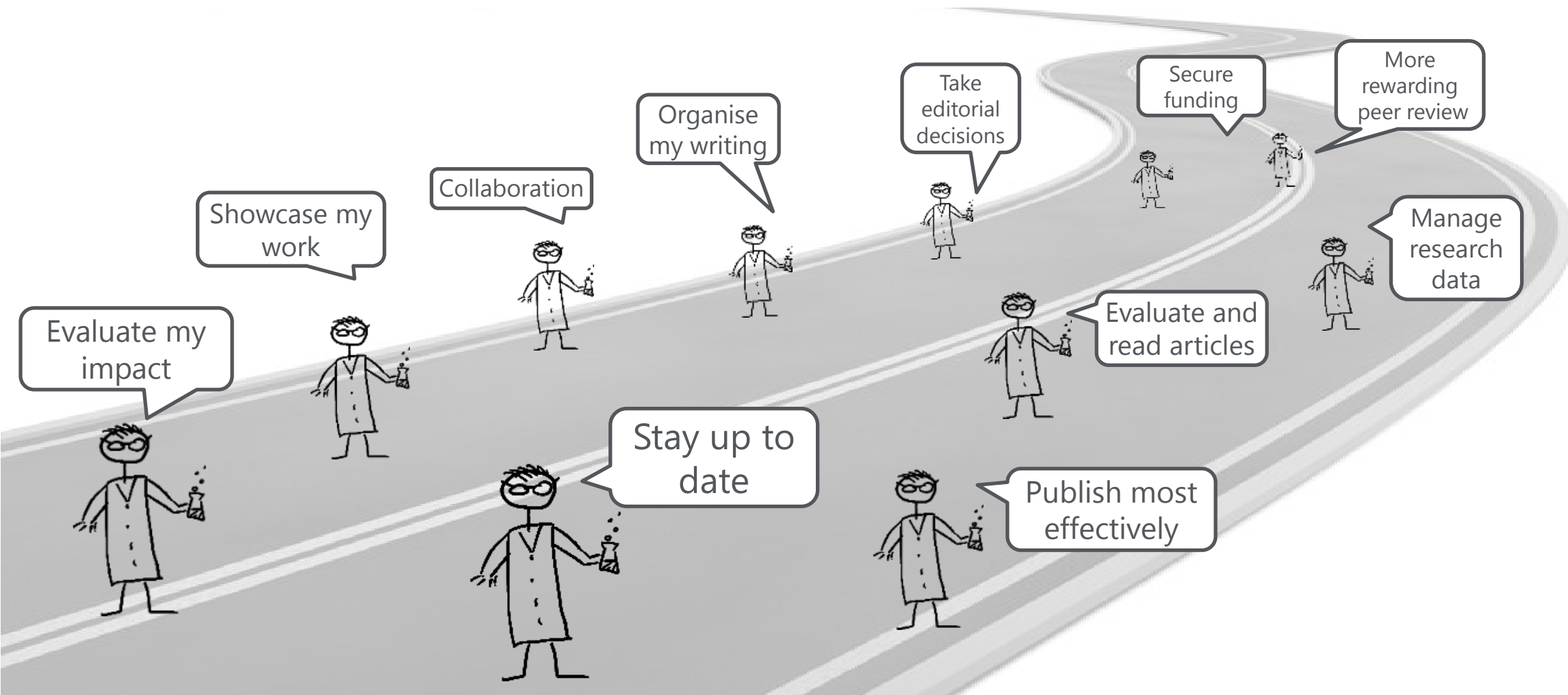
MENDELEY

AGENDA

- Mendeley Content
- What are the advantages of Mendeley?
- How to use Mendeley?
- Mendeley Institutional Edition

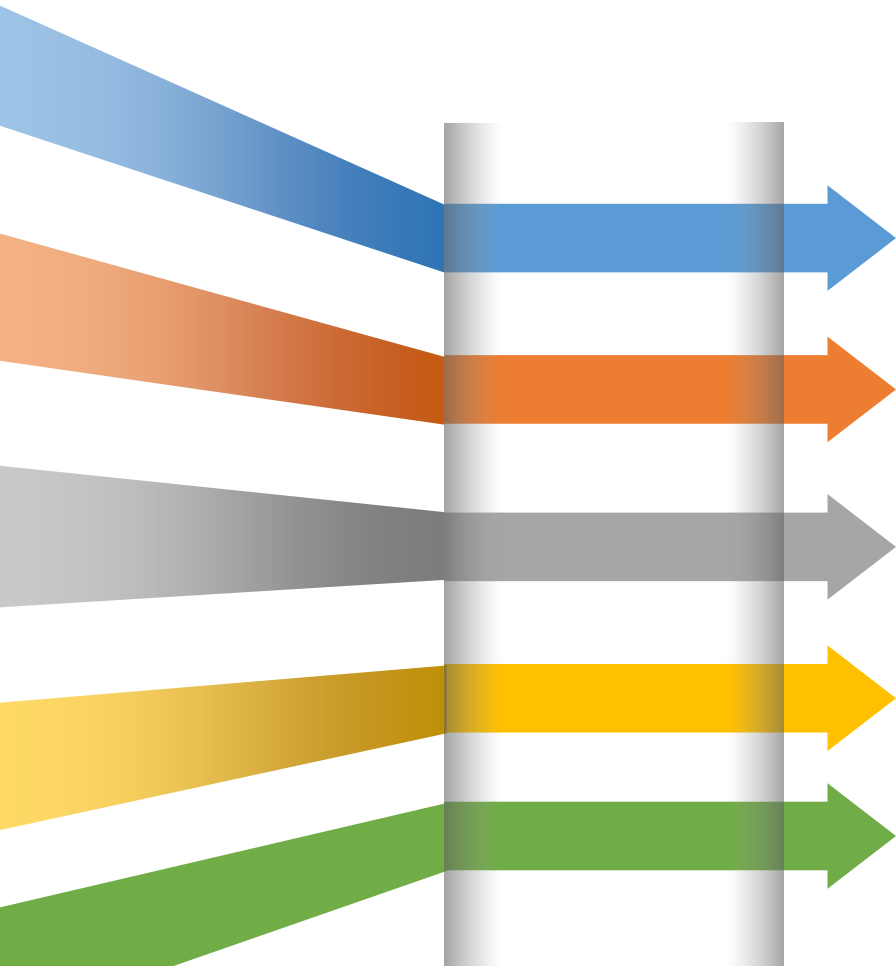
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The changes in the world of research are influencing researcher needs. Information is increasingly accessible: from articles, blogs or research and experimental data. Researchers need help determining **what information is relevant** and can help them to achieve their goals.



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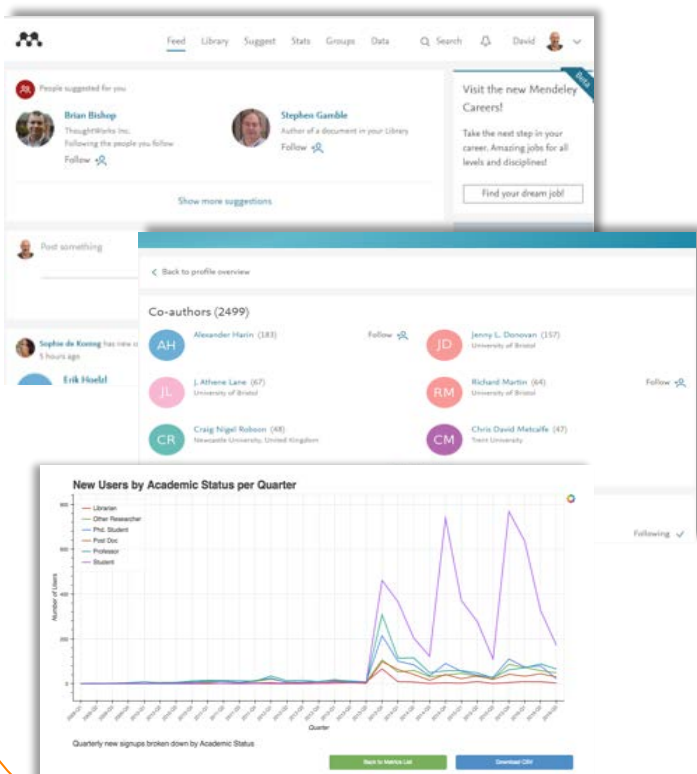
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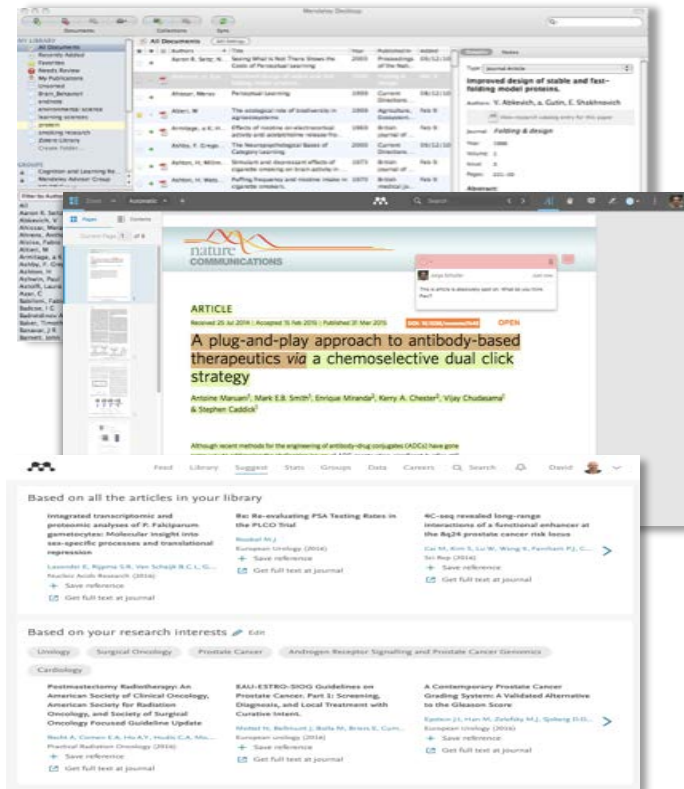
Research Network, people recommender, collaboration, careers & Institutional analytics



The screenshot displays the Mendeley user interface. At the top, there's a navigation bar with 'Feed', 'Library', 'Suggest', 'Stats', 'Groups', 'Data', 'Search', and a user profile 'David'. Below this is a 'People suggested for you' section featuring profiles for Brian Bishop and Stephen Gamble. A 'Visit the new Mendeley Careers!' banner is also present. The main area shows a 'Co-authors (2499)' list with circular icons and names like Alexander Hain, Jenny L. Donovan, Richard Martin, and Chris David Metcalfe. At the bottom, a line chart titled 'New Users by Academic Status per Quarter' shows quarterly new signups broken down by academic status: Librarian, Other Researcher, Phd Student, Post Doc, Professor, and Student.

Doing research

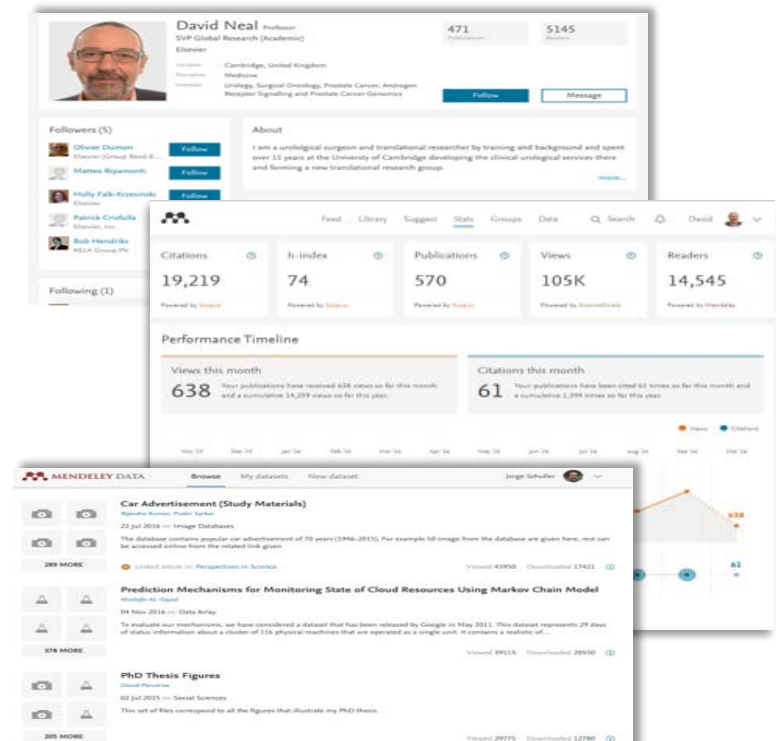
Productivity tools including Reference Management and content discovery



The screenshot shows the Mendeley Desktop application. The top window displays a 'Library' view with columns for 'All Documents', 'All Authors', and 'All Documents'. Below this, a research article is previewed: 'A plug-and-play approach to antibody-based therapeutics via a chemoselective dual click strategy' by Antoine Manzer et al. The bottom window shows a list of articles in the user's library, including 'Integrated transcriptional and proteomic analysis of P. falciparum gametocytes: Molecular insight into sex-specific processes and transcriptional repression' and 'Risk Re-evaluating PSA Testing Rates in the PLCO Trial'.

Sharing research

Research profiles, Bibliometrics & Data repository services



The screenshot shows a Mendeley research profile for David Neal, Professor at SVP Global Research (Academic). The profile includes a bio, a list of followers (Oliver Duman, Matthew Ripamonti, Holly Park-Kozminski, Patrick Cristofalo, Bob Hendrie), and a 'Stats' section with the following data: Citations: 19,219; h-index: 74; Publications: 570; Views: 105K; Readers: 14,545. Below the stats is a 'Performance Timeline' showing 638 views and 61 citations this month. A list of publications is shown, including 'Car Advertisement (Study Materials)', 'Prediction Mechanisms for Monitoring State of Cloud Resources Using Markov Chain Model', and 'PhD Thesis Figures'.

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***>600 K** collaboration groups



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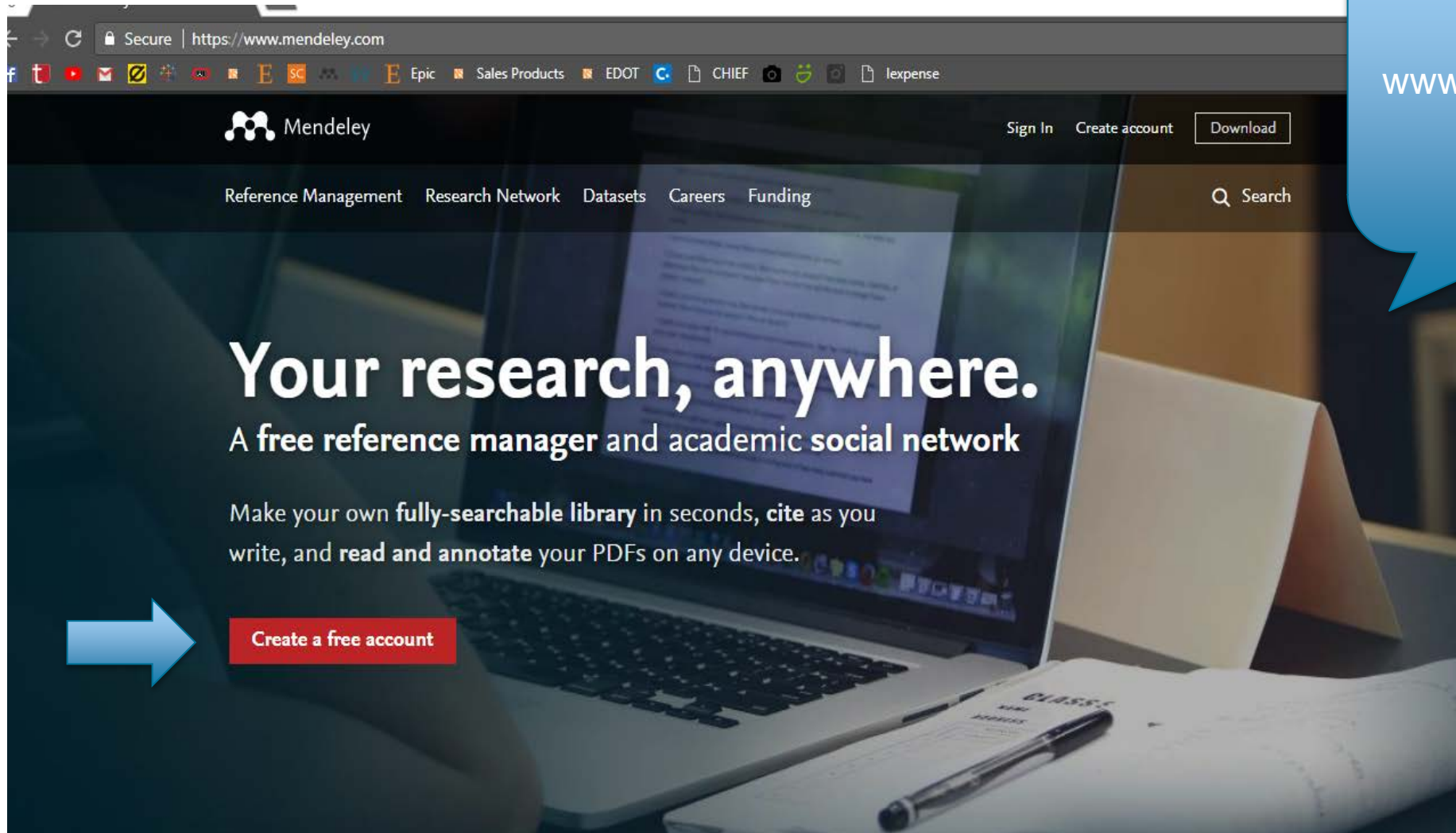
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- SSRN is a leading social science and humanities repository and online community that provides the online database of early scholarly research.
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- It currently has over 2 mio members, 671k paper abstracts from over 300k authors worldwide.

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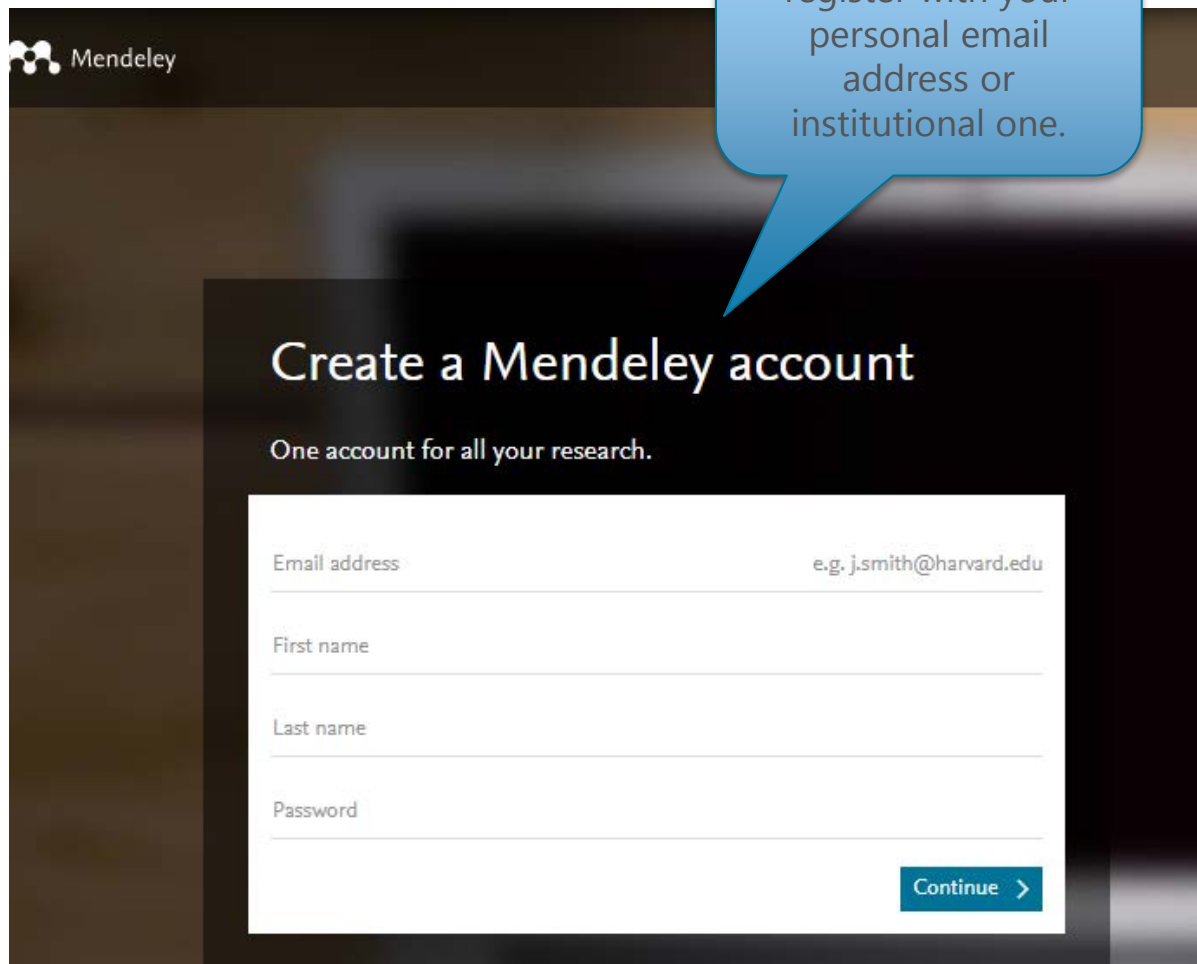
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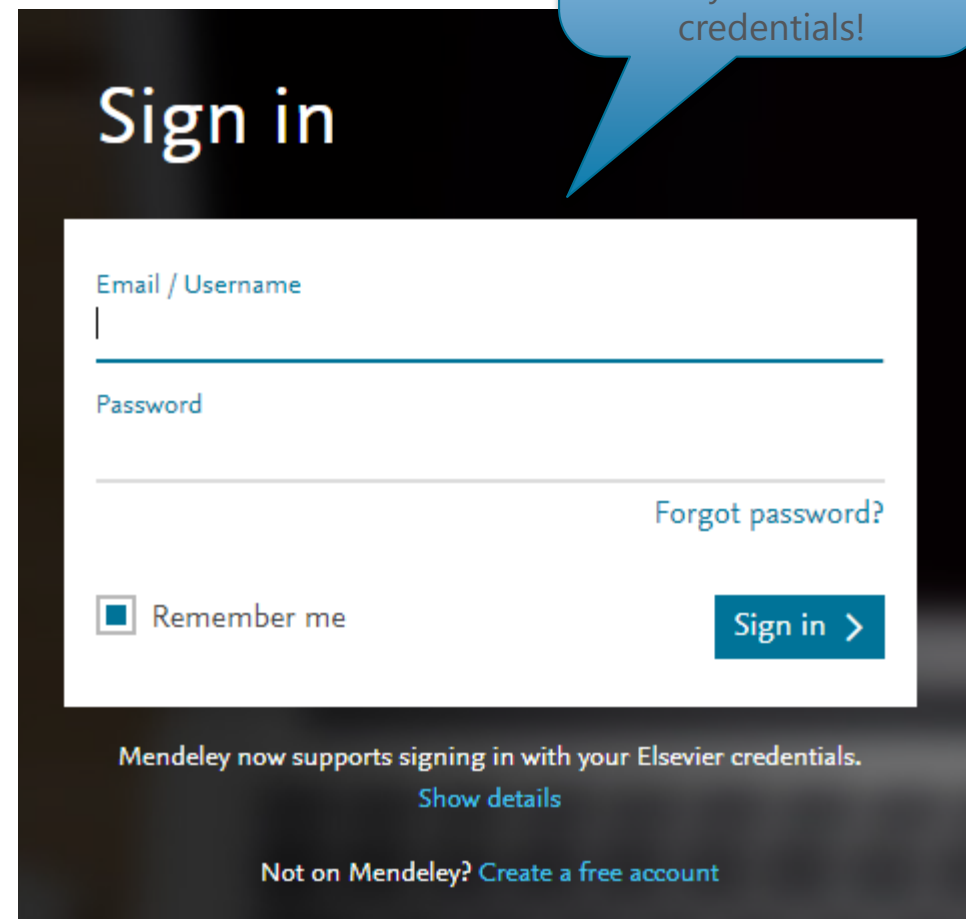
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Signing up to MENDELEY



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Current Development Preview
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Authors	Title	Year	Published In	Added
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Details for the selected document:

Type: Report

New Horizons: From Research Paper to Pluto

Authors: P. Tavner

Year: 2015

Pages:

Abstract:
NASA's New Horizons mission, part of the New Frontiers Program, is expected to reach its primary target - the dwarf planet Pluto - on July 14 2015. Mendeley was invited to visit NASA during the close approach of Pluto and will be at NASA HQ on the day of the encounter. This report was written to mark the occasion and to share our excitement at being present for the event.

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Author Keywords:

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Year: 2015

Pages:

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NASA's New Horizons mission, part of the New Frontiers Program, is expected to reach its primary target - the dwarf planet Pluto - on July 14 2015. Mendeley was invited to visit NASA during the close approach of Pluto and will be at NASA HQ on the day of the encounter. This report was written to mark the occasion and to share our excitement at being present for the event.

Tags:

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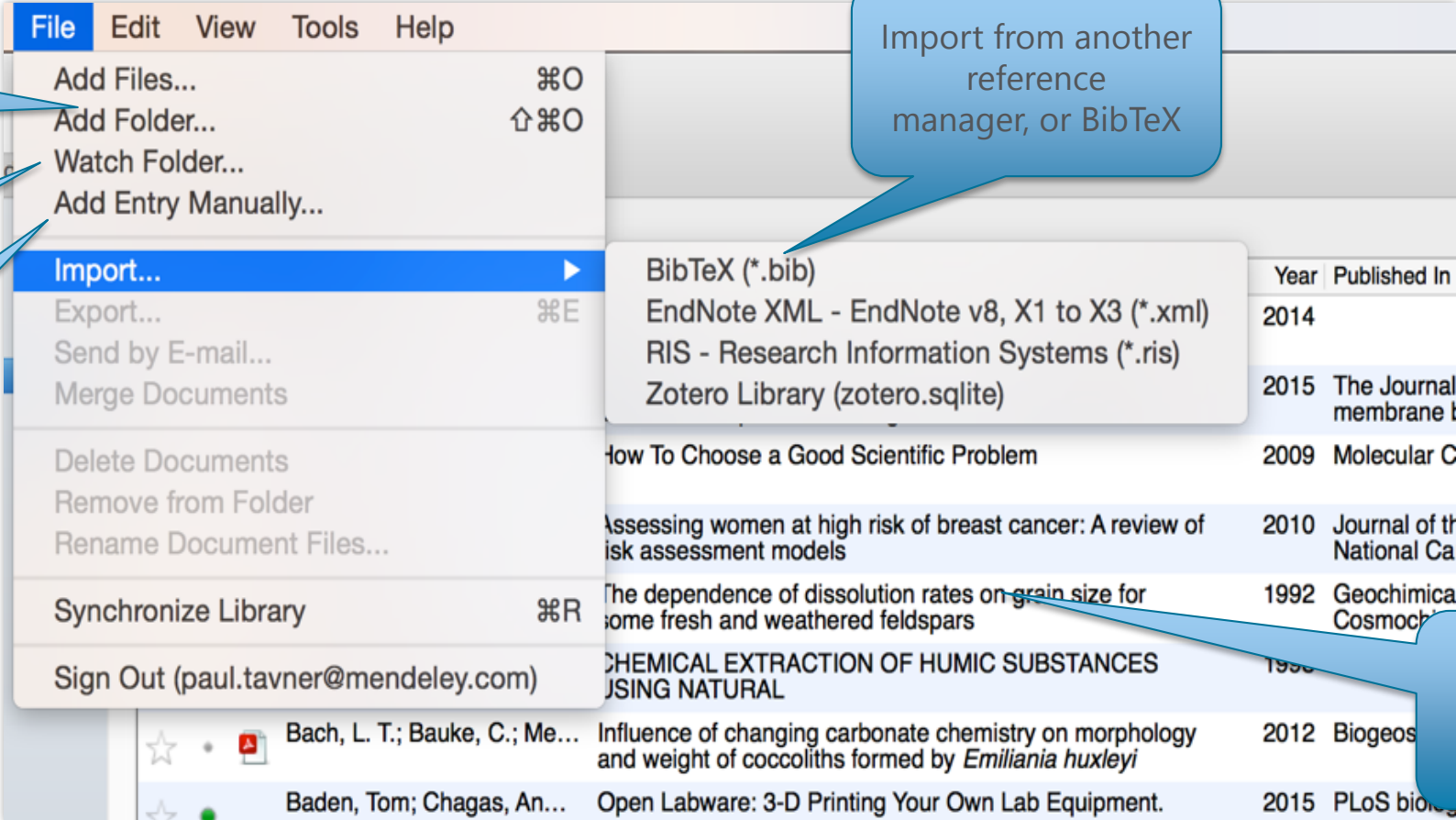
URL:
www.mendeley.com/new-horizons.pdf

Catalog IDs
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Files:

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You can either add documents by 'File' tab or drag & drop the files in your own desktop



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- Add reference by manually entering details (points to 'Add Entry Manually...')
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Year	Published In
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2015	The Journal membrane t
2009	Molecular C
2010	Journal of th National Ca
1992	Geochemical Cosmoch
2012	Biogeos
2015	PLoS bio

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This is your Mendeley Web Importer plug in. When reading articles even in Google Scholar, PubMed etc, you can click it and save it to your library

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ScienceDirect

Journals

Mendeley is interoperable with Science Direct and Scopus, by clicking 'Save to Mendeley' you can get references to your library

Search results: 1,664,501 results found. [See image results](#)

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Year

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- 2017 (4,431)
- 2016 (104,176)
- 2015 (92,479)
- 2014 (89,514)
- [View more >>](#)

Publication title

- The Lancet (48,686)
- International Journal of Radiation Oncology*Bio... (45,871)
- Gastroenterology (37,727)
- European Journal of Cancer (31,820)
- The Journal of Urology (26,448)
- [View more >>](#)

Topic

- patient (193,400)

Download PDFs | Export

No clinical utility of *Gynecologic Oncology, Ovarian Cancer Assoc*
 Frederieke H. van der Irene L. Andrulis, Hod Arun, Brita Arver, Alar...
[Abstract](#) | [PDF](#)

Evidence of a genet *Fertility and Sterility, Vo*
 Alice W. Lee, Claire T Chenevix-Trench, Cel Beata Spiewankiewicz, Cybulski, Christine W...
[Abstract](#) | [PDF](#)

p16(INK4A) express *Papillomavirus Researc*
 Brenda Y. Hernandez Thompson, Maria Sib...
 Tvoina of Cancer Workarou...

All citation information will be exported. [Help](#)

Direct export

- [Save to Mendeley](#)
- [Save to RefWorks](#)

Export file

- RIS (for EndNote, Reference Manager, ProCite)
- BibTeX
- Text




Content

- Citations only
- Citations and abstracts

[Export](#)

Relevance | All access types

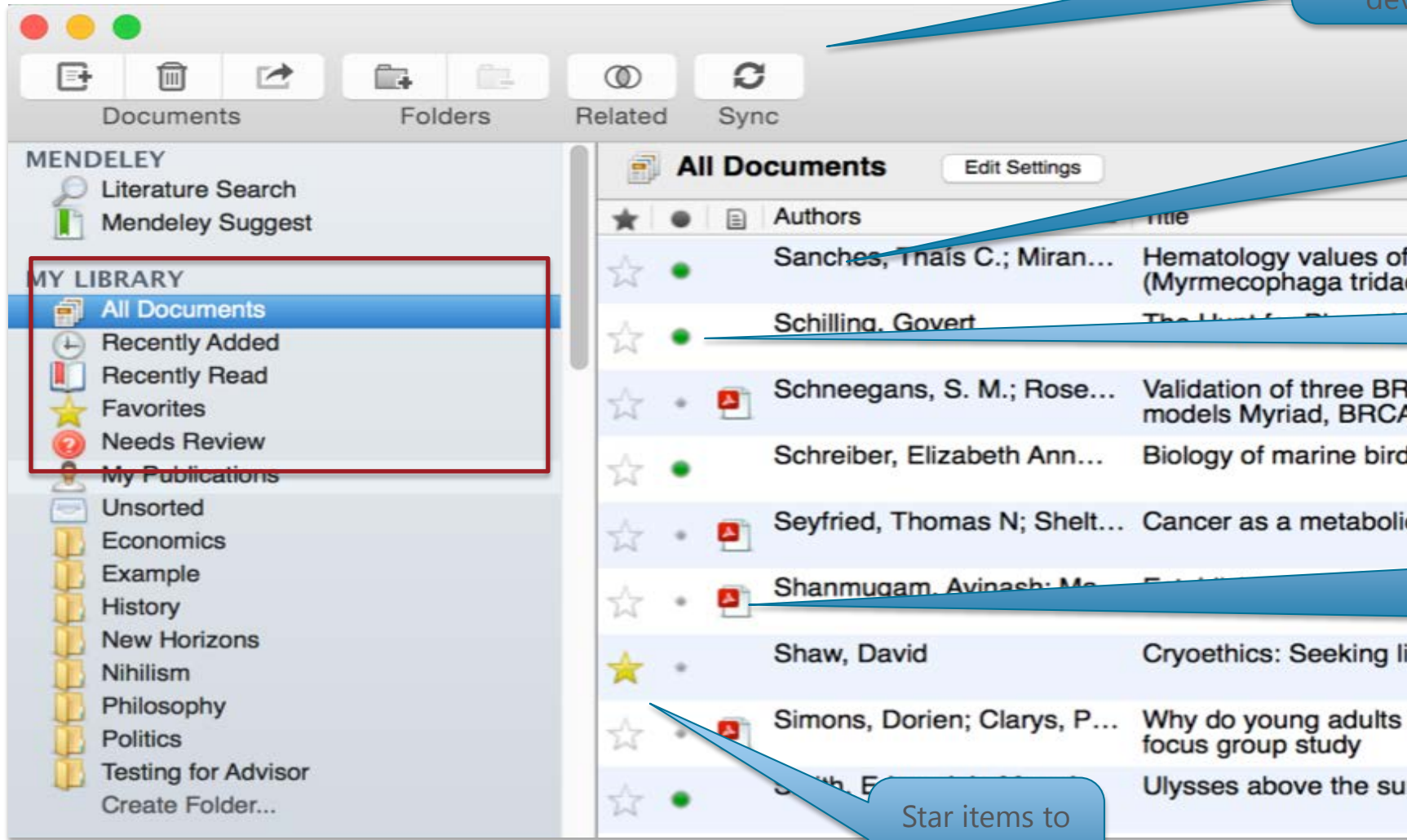
Related books

-  **Breast Cancer**
2005
Daniel F. Roses
-  **Cancer Theranostics**
2014
Xiaoyuan Chen
-  **Cancer Chemotherapy**
1967
Edward S. Greenwald

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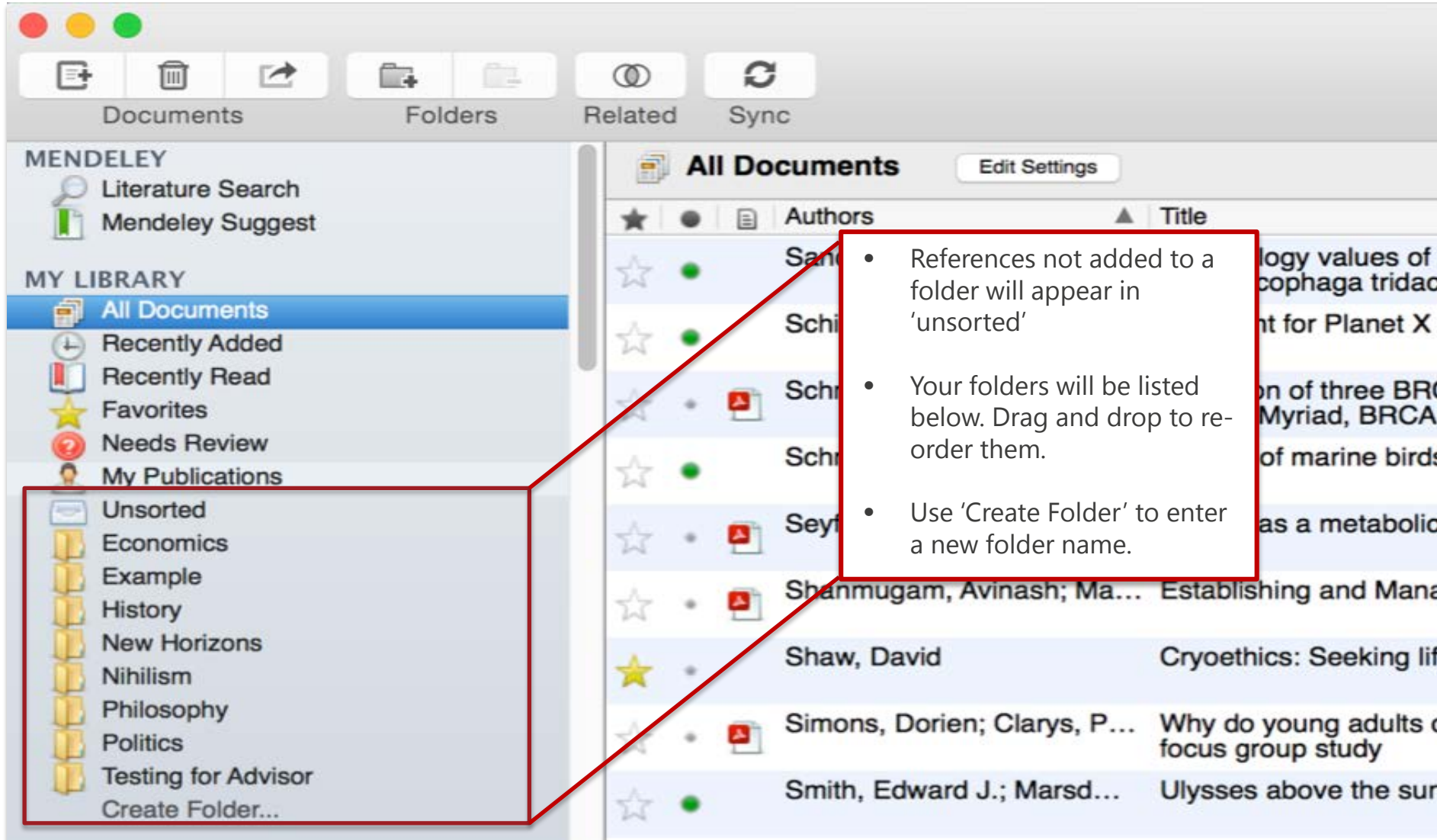
 Items added in the last two weeks

 Access your recently read items

 All items you've starred in your library

 Items in need of review

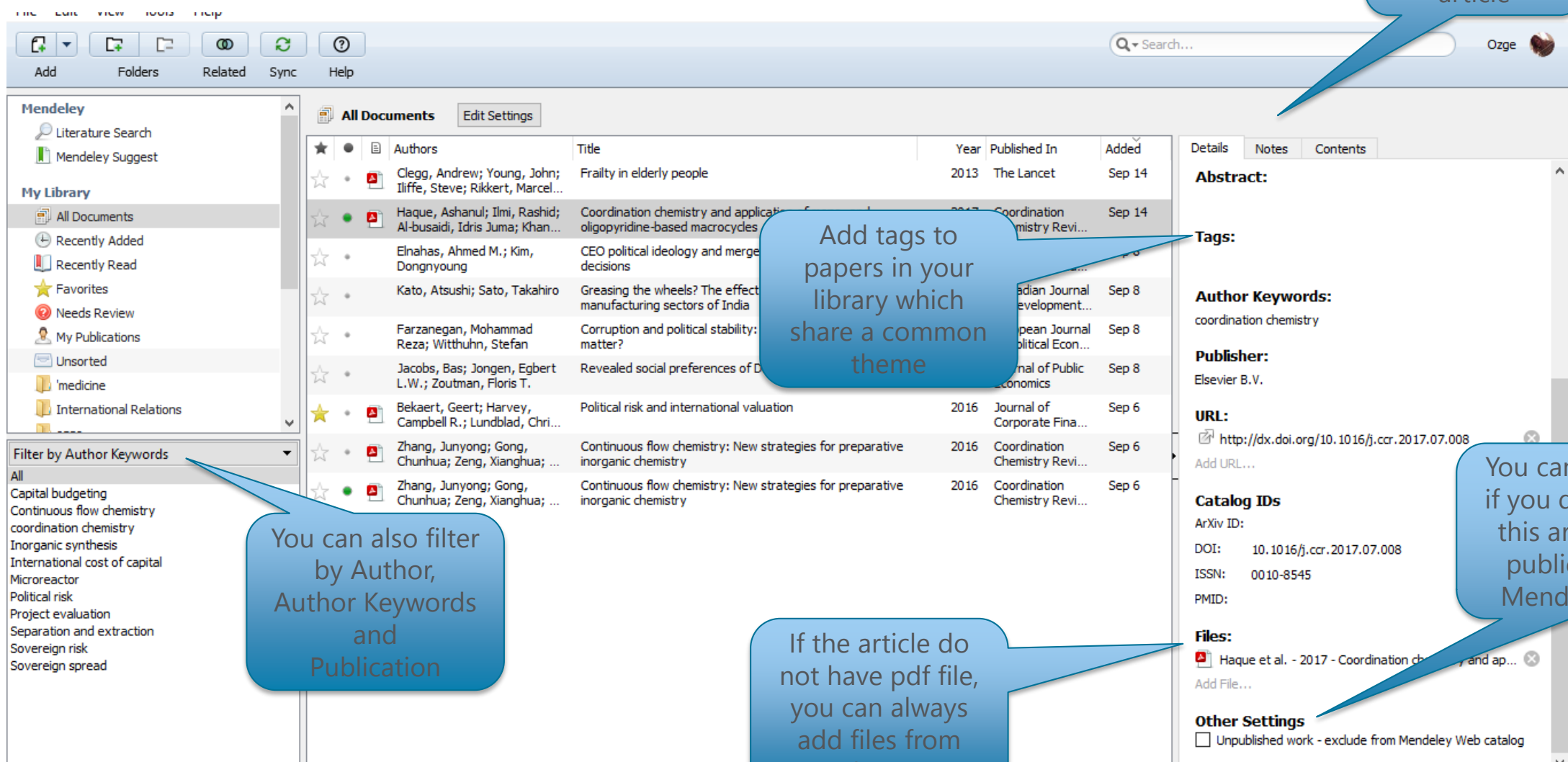
Create and use folders on MENDELEY



The screenshot shows the Mendeley Desktop application interface. The top toolbar includes icons for Documents, Folders, Related, and Sync. The left sidebar is divided into 'MENDELEY' (Literature Search, Mendeley Suggest) and 'MY LIBRARY' (All Documents, Recently Added, Recently Read, Favorites, Needs Review, My Publications). The 'All Documents' view is selected, showing a list of references with columns for Authors and Title. A red box highlights the 'All Documents' folder in the sidebar, and another red box highlights a text box containing instructions.

- References not added to a folder will appear in 'unsorted'
- Your folders will be listed below. Drag and drop to re-order them.
- Use 'Create Folder' to enter a new folder name.

Search in your documents on MENDELEY



The screenshot shows the Mendeley desktop application interface. On the left is a sidebar with navigation options like 'Literature Search', 'Mendeley Suggest', and 'My Library'. The main area displays a list of documents with columns for Authors, Title, Year, Published In, and Added. A detailed view of a selected article is shown on the right, including fields for Abstract, Tags, Author Keywords, Publisher, URL, Catalog IDs, and Files. Several blue callout boxes provide instructions and information about the interface.

This is the metadata of the selected article

Add tags to papers in your library which share a common theme

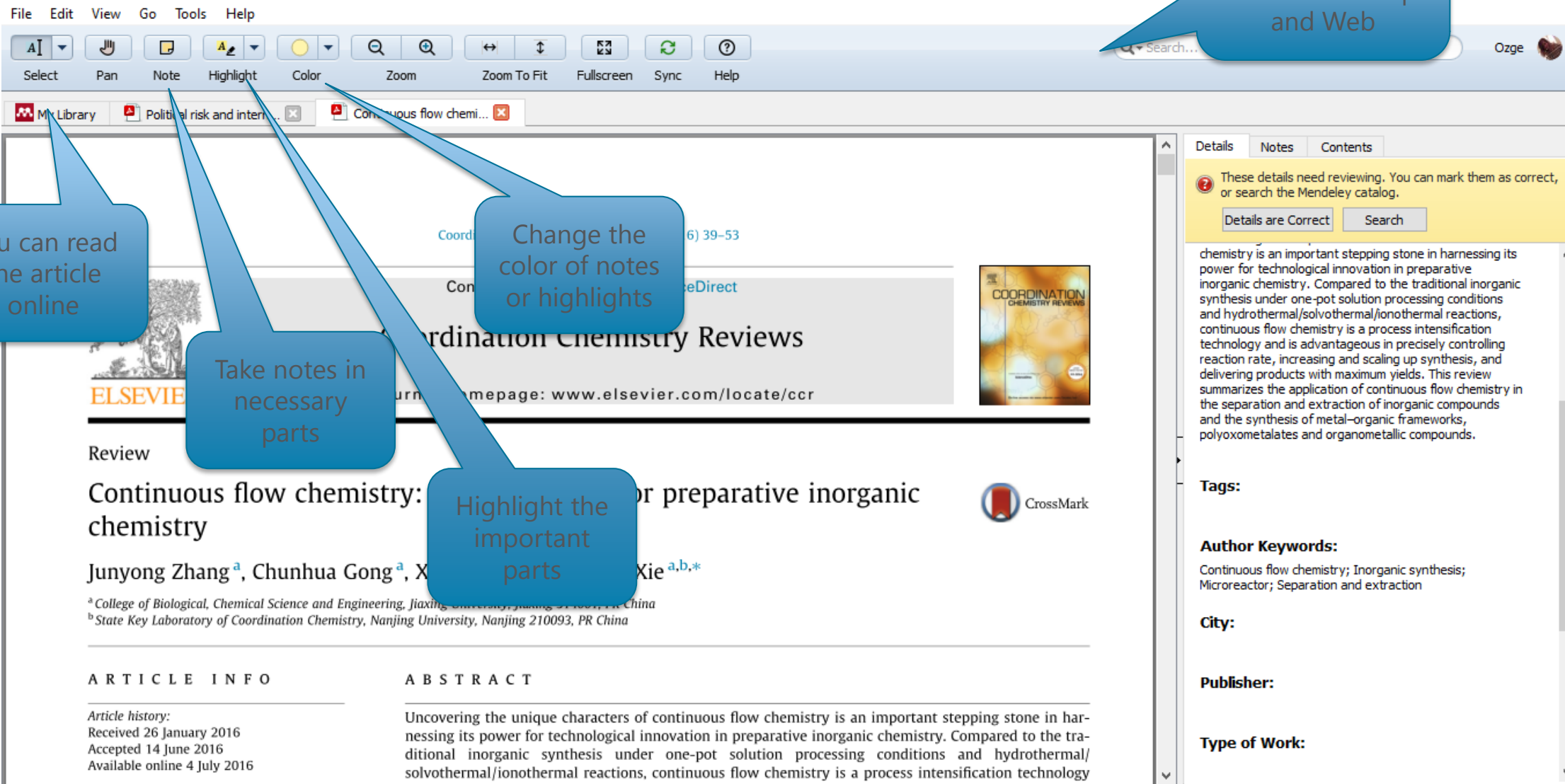
You can also filter by Author, Author Keywords and Publication

If the article do not have pdf file, you can always add files from here

You can click here, if you do not want this article to be public to other Mendeley users

Use Mendeley's PDF Viewer on MENDELEY

Mendeley has its own PDF viewer both in Desktop and Web



The screenshot displays the Mendeley PDF viewer interface. The top menu bar includes File, Edit, View, Go, Tools, and Help. Below the menu is a toolbar with icons for Select, Pan, Note, Highlight, Color, Zoom, Zoom To Fit, Fullscreen, Sync, and Help. The main content area shows a PDF document with the following text:

Coordination Chemistry Reviews
 ELSEVIER
 Review
Continuous flow chemistry: A stepping stone for preparative inorganic chemistry
 Junyong Zhang^a, Chunhua Gong^a, Xianjun Xie^{a,b,*}
^a College of Biological, Chemical Science and Engineering, Jiaxing University, Jiaxing 514001, PR China
^b State Key Laboratory of Coordination Chemistry, Nanjing University, Nanjing 210093, PR China

ARTICLE INFO
 Article history:
 Received 26 January 2016
 Accepted 14 June 2016
 Available online 4 July 2016

ABSTRACT
 Uncovering the unique characters of continuous flow chemistry is an important stepping stone in harnessing its power for technological innovation in preparative inorganic chemistry. Compared to the traditional inorganic synthesis under one-pot solution processing conditions and hydrothermal/solvothermal/ionothermal reactions, continuous flow chemistry is a process intensification technology

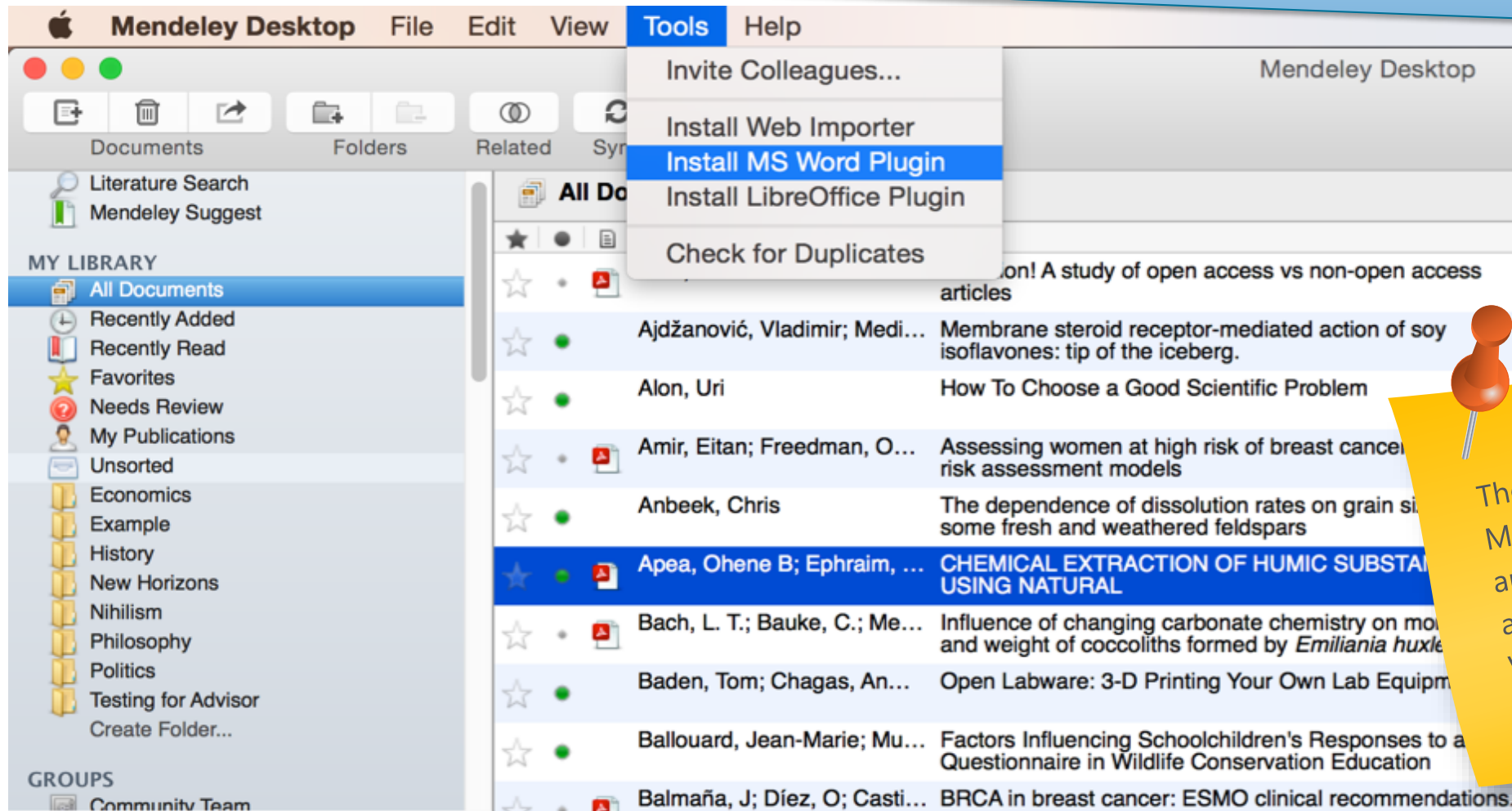
On the right side, there is a sidebar with tabs for Details, Notes, and Contents. The Details tab is active, showing a warning message: "These details need reviewing. You can mark them as correct, or search the Mendeley catalog." Below this are buttons for "Details are Correct" and "Search". The main text in the sidebar reads: "chemistry is an important stepping stone in harnessing its power for technological innovation in preparative inorganic chemistry. Compared to the traditional inorganic synthesis under one-pot solution processing conditions and hydrothermal/solvothermal/ionothermal reactions, continuous flow chemistry is a process intensification technology and is advantageous in precisely controlling reaction rate, increasing and scaling up synthesis, and delivering products with maximum yields. This review summarizes the application of continuous flow chemistry in the separation and extraction of inorganic compounds and the synthesis of metal-organic frameworks, polyoxometalates and organometallic compounds."

Below the text are sections for Tags, Author Keywords (Continuous flow chemistry; Inorganic synthesis; Microreactor; Separation and extraction), City, Publisher, and Type of Work.

Callouts from blue speech bubbles point to various features:

- "You can read the article online" points to the article title.
- "Take notes in necessary parts" points to the Note icon in the toolbar.
- "Change the color of notes or highlights" points to the Color icon in the toolbar.
- "Highlight the important parts" points to the Highlight icon in the toolbar.

Using citation Plug-in on MENDELEY

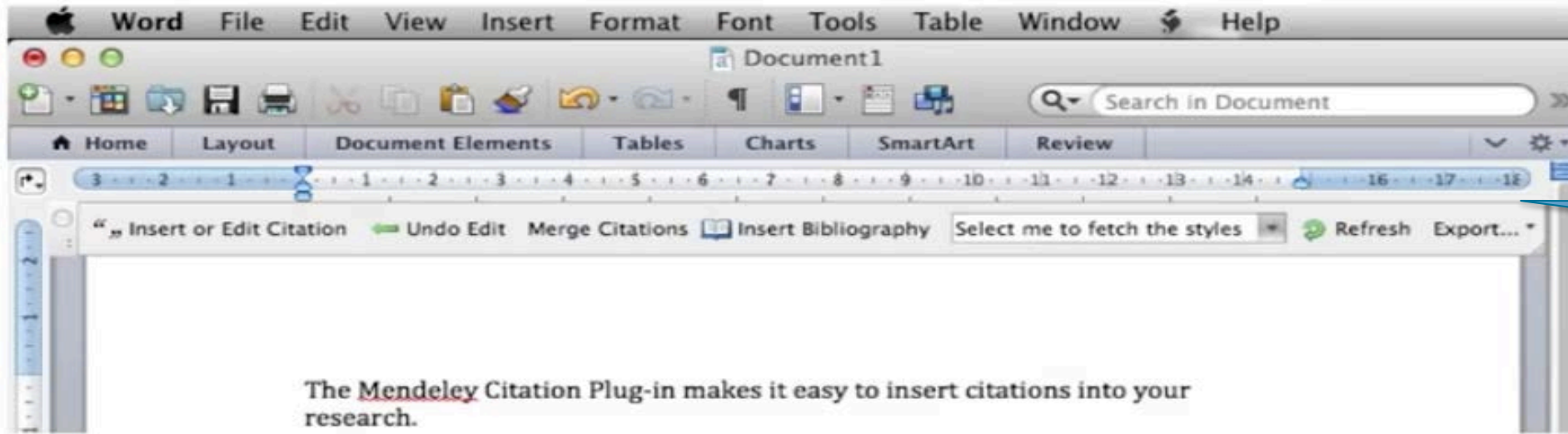


In order to use the citation function. You'll first need to install the citation plugin. This can be done via the Tools menu within Mendeley Desktop.

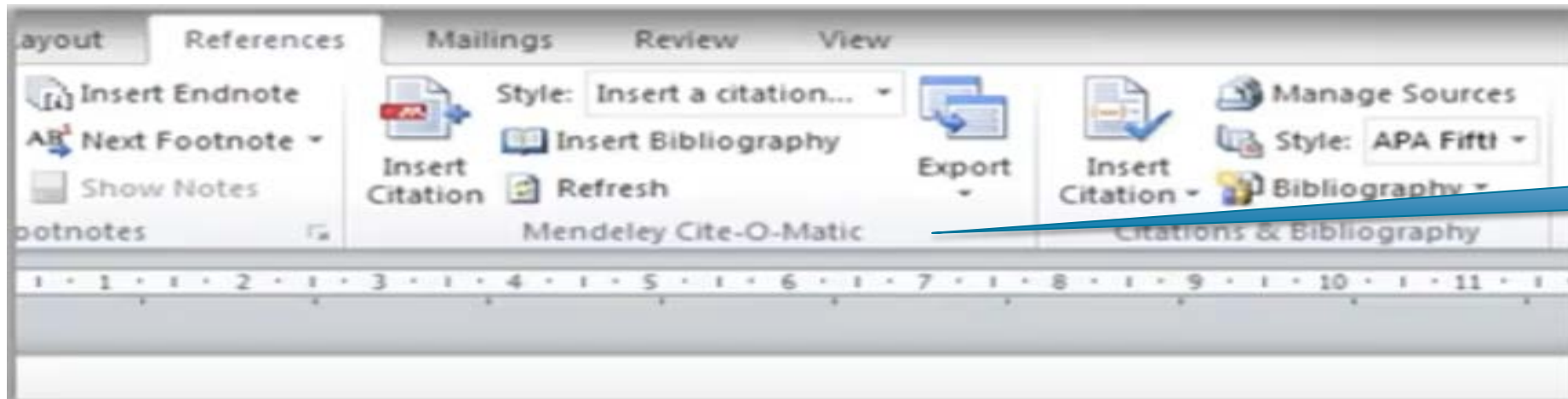
The citation plugin supports Microsoft Word for windows and Mac and the free alternative LibreOffice for Windows, Mac and Linux.

Using citation Plug-in on MENDELEY

The Citation Tool Bar Appears in Word Automatically

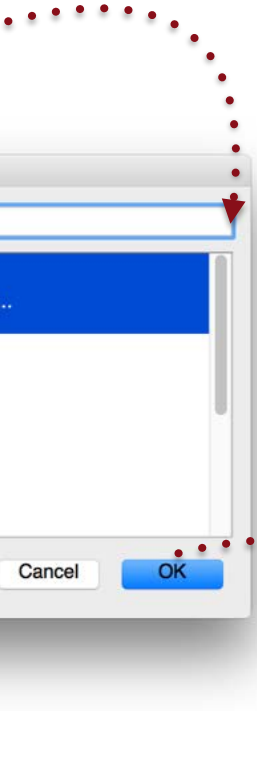
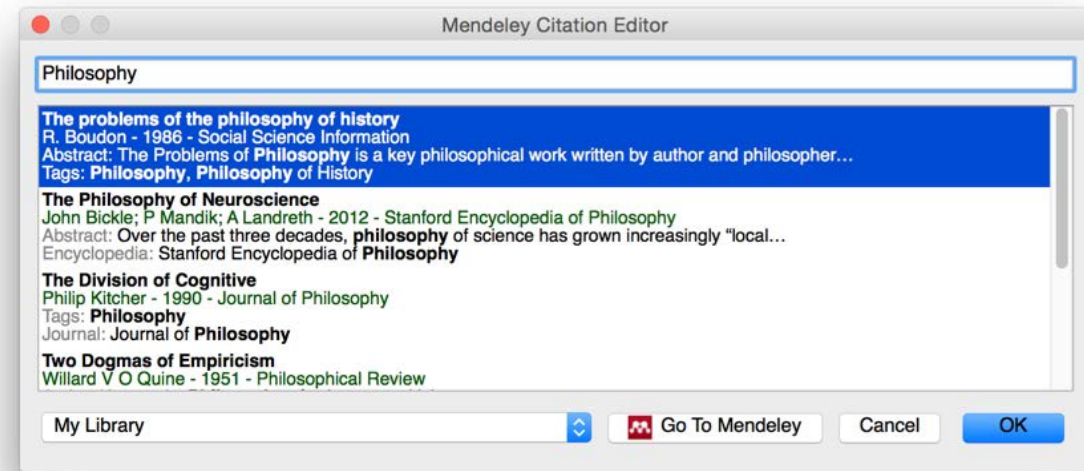
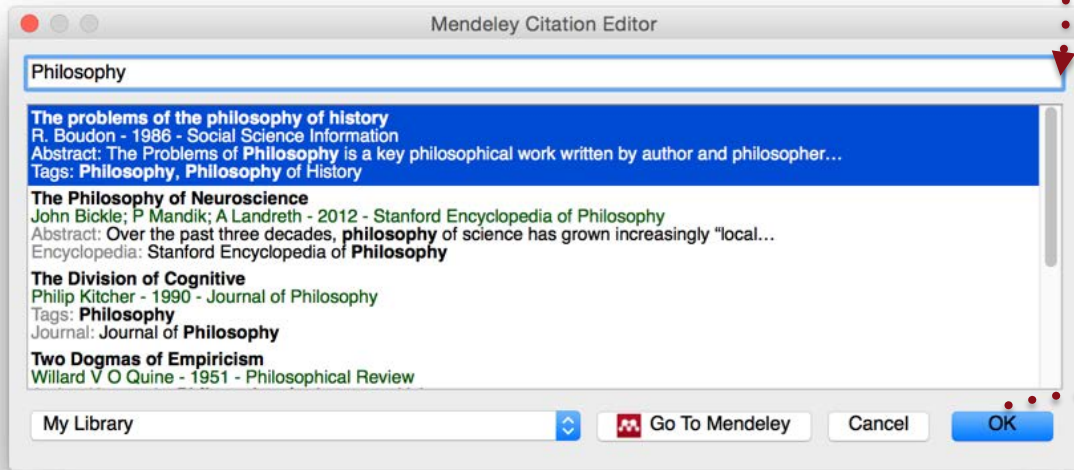
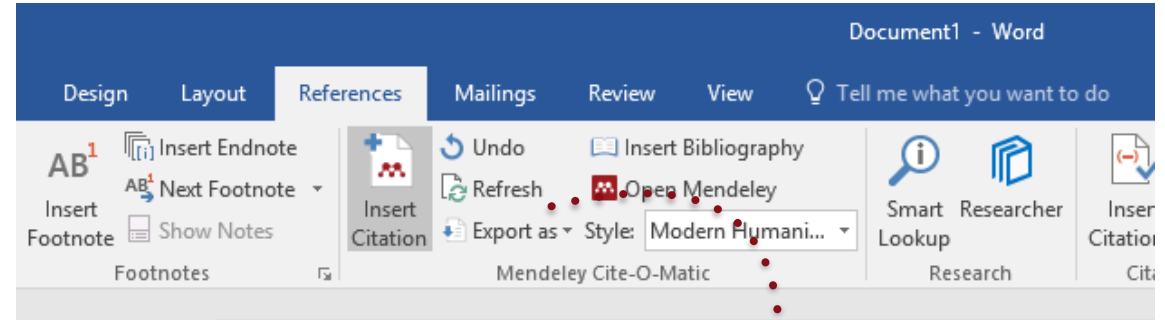
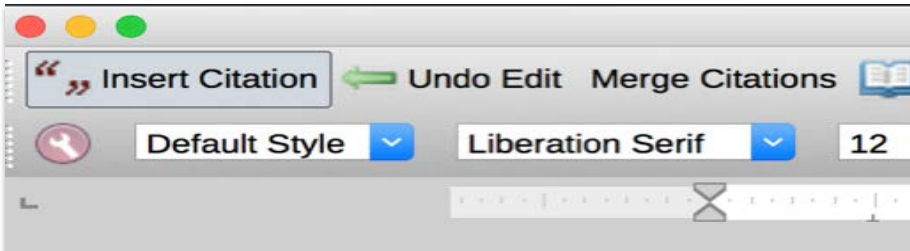


MAC



Windows

Generating in-text citations in Word



Merging Citations on MENDELEY

Lorem ipsum dolor sit amet (Boudon 1986) (Ingold 1940)

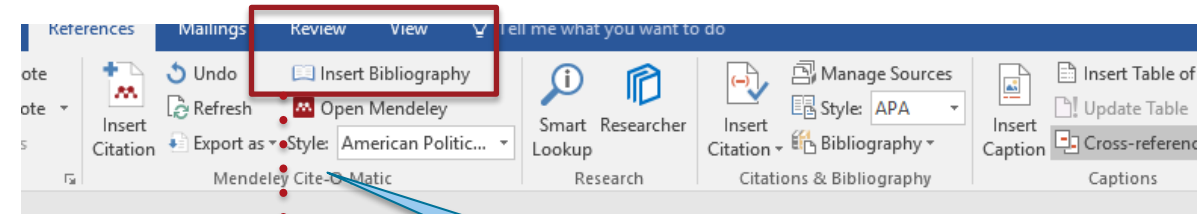
“ ” Insert Citation ← Undo Edit Merge Citations  Insert Bibliography  Refresh

Lorem ipsum dolor sit amet (Boudon 1986; Ingold 1940)



The screenshot shows the Mendeley software interface. The 'Merge Citations' button is highlighted with a blue arrow. The interface includes a menu bar with options like 'Insert Endnote', 'Text Footnote', 'Show Notes', and 'Notes'. Below the menu bar, there are buttons for 'Merge Citations', 'Export as', 'Style: American Politic...', 'Smart Research Lookup', and 'Research'. The main text area contains several citations: '(Elnahas and Kim 2017)(Zhang et al. 2016)(Bekaert et al. 2017)', '(Clegg et al. 2013)', and '(Jacobs, Jongen, and Zoutman 2017)'. A red dotted arrow from the 'Merge Citations' button in the top toolbar points to the merged citation in the text area.

Inserting Bibliography on MENDELEY



Bach, L. T. et al. 2012. "Influence of Changing Carbonate Chemistry on Morphology and Weight of Coccoliths Formed by *Emiliana Huxleyi*." *Biogeosciences* 9(8): 3449–63.

Naik, Azza, V. Meda, and S. S. Lele. 2014. "Application of EPR Spectroscopy and DSC for Oxidative Stability Studies of *Nigella Sativa* and *Lepidium Sativum* Seed Oil." *JAOCS, Journal of the American Oil Chemists' Society* 91(6): 935–41.

Steffensen, Ane Y et al. 2014. "Functional Characterization of BRCA1 Gene Variants by Mini-Gene Splicing Assay." *European journal of human genetics : EJHG* 3: 1–7.
<http://www.ncbi.nlm.nih.gov/pubmed/24667779> (October 16, 2014).

Tripathi, Vijay S. 1979. "Comments on 'Uranium Solution-Mineral Equilibria at Low Temperatures with Applications to Sedimentary Ore Deposits.'" *Geochimica et Cosmochimica Acta* 43: 1989–90.

Whitesides, G. M. 2004. "Whitesides' Group: Writing a Paper." *Advanced Materials* 16(15): 1375–77.

(Elnahas and Kim 2017)(Zhang et al. 2016)(Bekaert et al. 2016; Jacobs

(Clegg et al. 2013)

(Jacobs, Jongen, and Zoutman 2017)

Bekaert, Geert, Campbell R. Harvey, Christian T. Lundblad, and Stephan Siegel. 2016. "Political Risk and International Valuation." *Journal of Corporate Finance*.

Clegg, Andrew et al. 2013. "Frailty in Elderly People." In *The Lancet*,

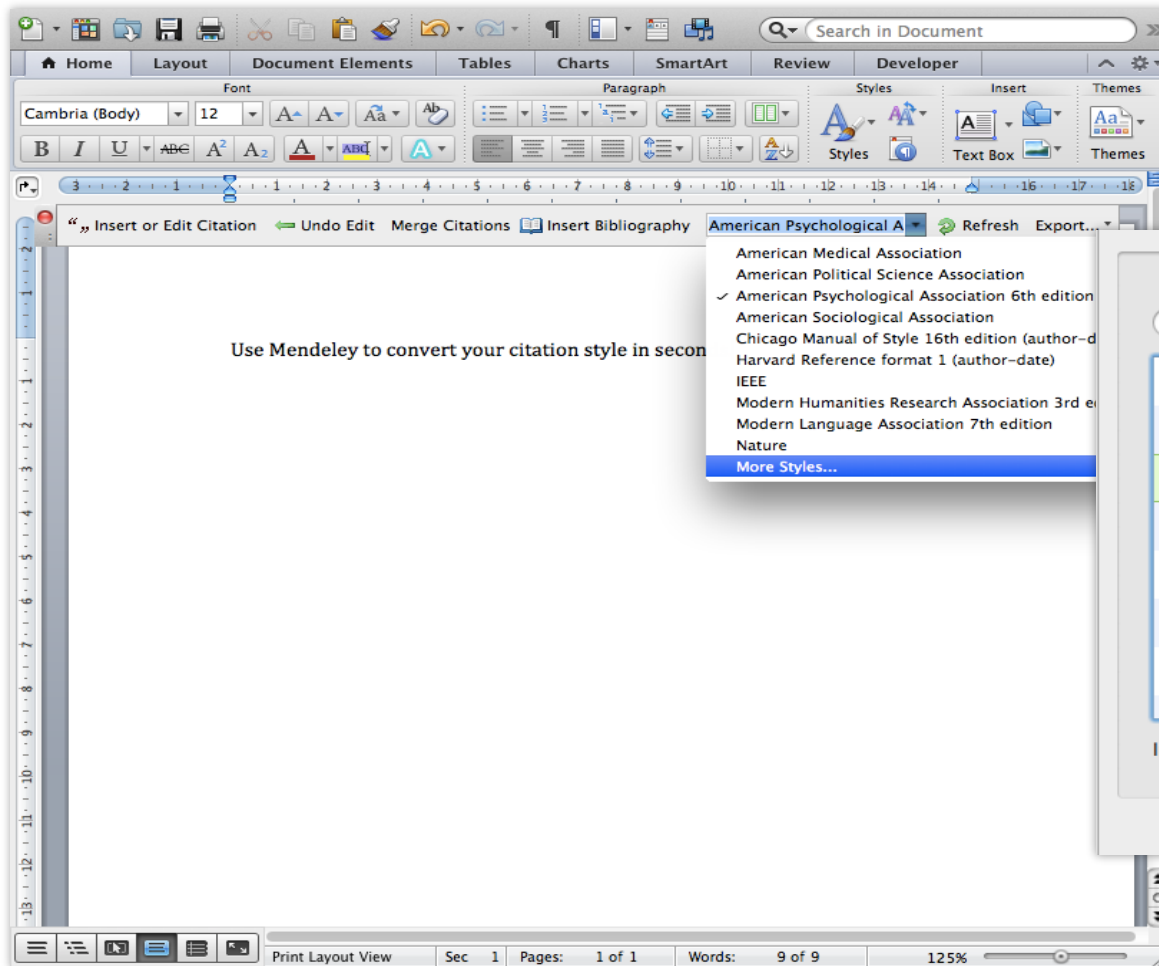
Elnahas, Ahmed M., and Dongnyoung Kim. 2017. "CEO Political Ideology and Mergers and Acquisitions Decisions." *Journal of Corporate Finance* 45: 162–75.
<http://linkinghub.elsevier.com/retrieve/pii/S0929119917302511> (September 8, 2017).

Jacobs, Bas, Egbert L.W. Jongen, and Floris T. Zoutman. 2017. "Revealed Social Preferences of Dutch Political Parties." *Journal of Public Economics*.
<http://linkinghub.elsevier.com/retrieve/pii/S0047272717301238> (September 8, 2017).

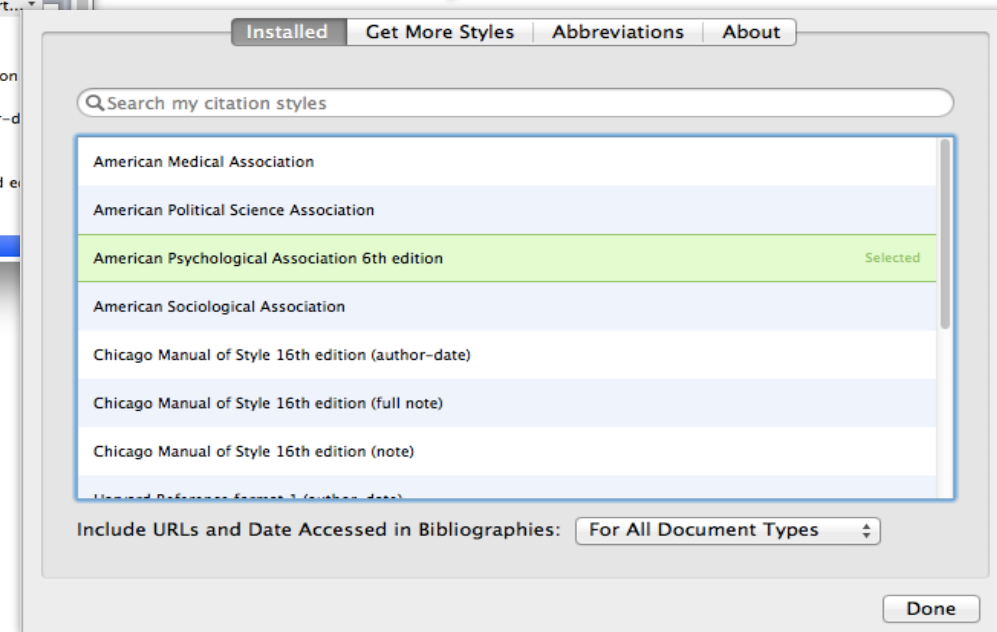
Zhang, Junyong, Chunhua Gong, Xianghua Zeng, and Jingli Xie. 2016. "Continuous Flow Chemistry: New Strategies for Preparative Inorganic Chemistry." *Coordination Chemistry Reviews*.

You can always select the style here from more than 8.000 styles

Finding a citation style on MENDELEY



You can type the name of the journal, and install the citation style



The CSL Editor on



About Search by name Search by example Visual editor Code editor

Find and edit CSL citation styles

Search...

Search for the name of a style, the title of a Journal, or [search by example](#).

Note: This set of tools is still in public beta. Please report any bugs or feedback using the form at the top right of the screen.

- ### 1. Find a style

Search by name

If you're looking for a style like APA, Harvard, etc... just use the search box at the top of the page to search for a style name, or journal title.

Search by example

If you don't know the name of the style, but know what the final citation should look like, you can use our [search by example](#) tool to find styles that most closely match.

INLINE CITATION
(McInnis & Nelson, 2011)

BIBLIOGRAPHY
McInnis, M. D., & Nelson, L. P. (2011). <i>Shaping the Body Politic: Art Formation in Early America</i> . University of Virginia Press.
- ### 2. Edit the style

If you can't find a style that quite suits your needs, find one that's a pretty close match and click the "Edit style" button to open that style in the [visual editor](#).

American Journal of Medical Genetics	
INLINE CITATION	[McInnis and Nelson, 2011]
BIBLIOGRAPHY	McInnis, MD, Nelson, LP. 2011. <i>Shaping the Body Politic: Formation in Early America</i> . University of Virginia Press.
<input type="button" value="Install"/> <input type="button" value="Edit"/> <input type="button" value="View code"/>	
- ### 3. Use the style

Once you've found a style that's suitable for you to use, simply click the "Install" button on the search results, or "Save" a style you've edited, to use it in Mendeley Desktop.

If you can still not find the right style or you would like to customise an existing style you may want to try your hand at the CSL editor which will allow you to customise the styles. Simply visit <https://csl.mendeley.com> to access the editor.

Creating Groups on



Create Group...

Create a new group

Enter a group name...

Enter a group description...

Group Type

- Private**
Share references and full-text files. Only group members can see the group, good for sharing in private.
- Invite-only**
Share references only. Public can follow the group only, good for sharing references or reading lists.
- Open**
Share references only. Public can become a member or follow the group, good for crowd sourcing reading lists.

Cancel

GROUPS

- Community Team
- Demo Group
- Level 1 Assessment [Steffi Schhhh]
- Level 2 Assessment [Minglu Wang]
- Mendeley Advisor Group
- Mendeley for Librarians
- Paper of the Day - Internal
- testeahl
- almetrics
- Brain Awareness Week
- Creatively named research papers
- EBioMedicine
- Gamification Explorers
- Gamification Research Network
- Mendeley for Librarians
- Mendeley Research4Life Group
- Mendeley Women in STEM
- My Society
- My Society
- New Horizons: From Research Pap...
- Philosophy and Education
- Philosophy selections
- Philosophy, Science, History of Scie...
- Rare Books and Digital Humanities
- Reinventing the Scientific Paper
- Researchers' Choice Communicat...
- Spooky papers
- STM Digest
- TEDxMRU
- Test Group
- Bibliografía de autores salvadoreño...
- Cadena de Valor (Industria Metalme...
- Cloud Computing
- Doctorado en Educación
- Investigación médica en México
- Laboratorio de Ecofisiología, INIRE...
- Modeling & Simulation
- NLP Research Lab at CIC, IPN, Me...
- Restauración ecológica México
- RS - MMRM no BRASIL
- Universidad Nacional Autonoma de ...
- World War II history. From origins t...

Create groups either private, invite only and open

See the groups you created, joined or follow

Add documents to a group by dragging and dropping.

Message from ISCB

Establishing and Managing a Global Student Network

Avinash Shanmugam^{1*}, Geoff Macintyre²

Overview

The Regional Student Groups (RSG) program is a network of student groups affiliated with the International Society of Computational Biology Student Council. While each RSG is encouraged to act independently and address the local needs of its regional student membership, a significant amount of effort is also invested in coordinating affiliation of these groups with the international student body, which provides long-term direction and facilitates communications between groups. Participating in a global student network provides students with an opportunity to network and connect with others around the globe. By sharing experiences within the network, students gain cultural insights and awareness of regional differences in scientific research and industry. In this article, we provide an overview of the tasks involved in setting-up and managing this global student network for bioinformatics. We also highlight the benefits a global student network offers, so the hope that other fields can use this to create their own global student network.

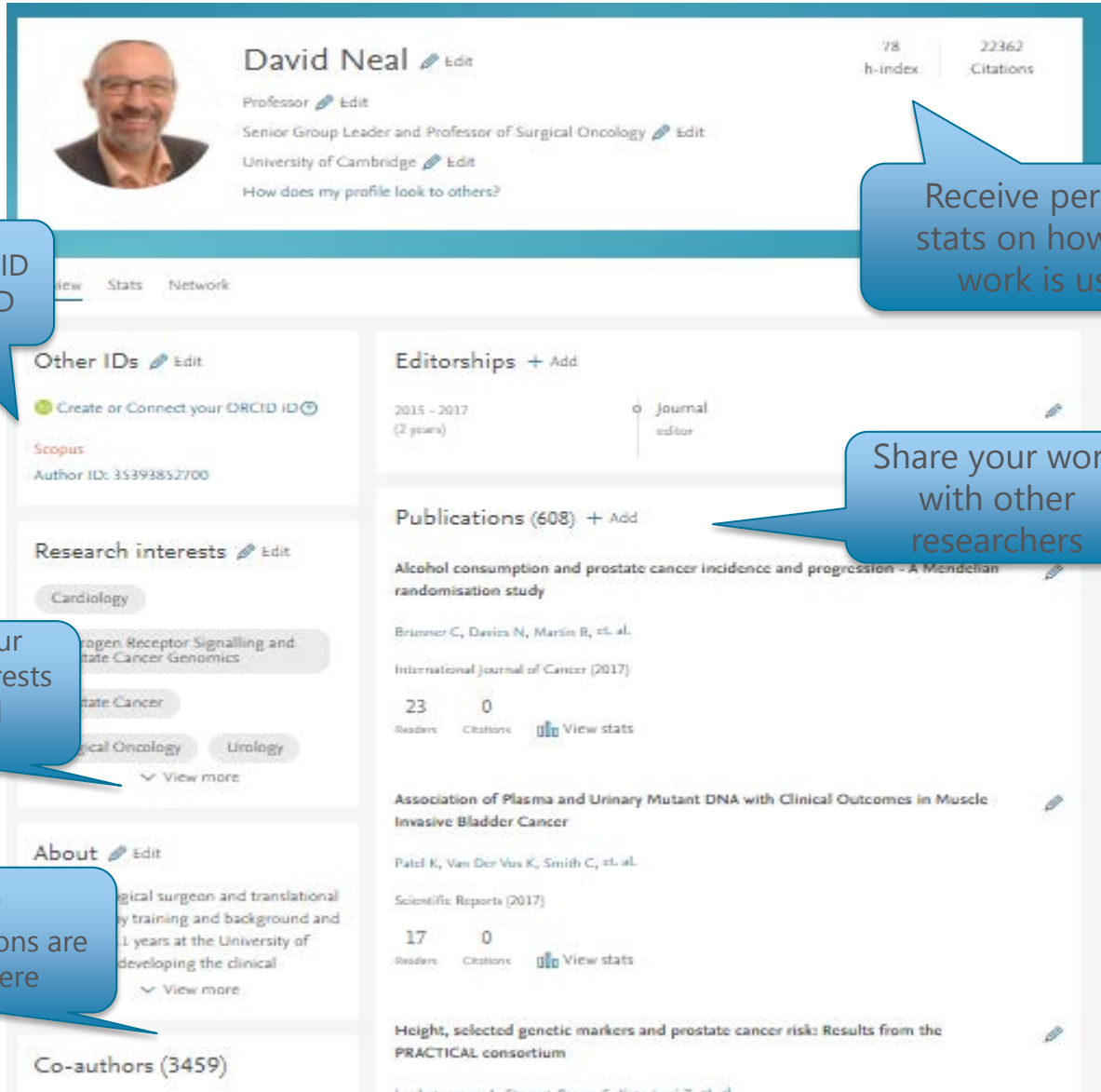
References

Ricardo Vidal, M. Eng. 04/11/2014 15:26
Nice paper! I might have pointers related to our advisor program.

In private groups, each member has own color to highlight

Collaborate with your research team in private groups

Create your research profile on  **MENDELEY**




David Neal Edit

78 h-index | 22362 Citations

Professor Edit
 Senior Group Leader and Professor of Surgical Oncology Edit
 University of Cambridge Edit
 How does my profile look to others?

Stats Network

Other IDs Edit

Create or Connect your ORCID ID 
 Scopus
 Author ID: 35393852700

Research interests Edit

Cardiology
 Progenitor Receptor Signalling and State Cancer Genomics
 Prostate Cancer
 Surgical Oncology Urology
View more

About Edit

...gical surgeon and translational ...y training and background and ... years at the University of ... developing the clinical ...
View more

Co-authors (3459)

Editorships + Add

2015 - 2017 (2 years) | journal editor

Publications (608) + Add


Alcohol consumption and prostate cancer incidence and progression - A Mendelian randomisation study

Brunner C, Davies N, Martin R, et al.
 International Journal of Cancer (2017)

23 Readers | 0 Citations |  View stats

Association of Plasma and Urinary Mutant DNA with Clinical Outcomes in Muscle Invasive Bladder Cancer

Paik K, Van Der Vos K, Smith C, et al.
 Scientific Reports (2017)

17 Readers | 0 Citations |  View stats

Height, selected genetic markers and prostate cancer risk: Results from the PRACTICAL consortium

Forstner A, O'Connell-Rimoldi C, Klein-Sjorin T, et al.

Receive personal stats on how your work is used

Add your ORCID and Scopus ID

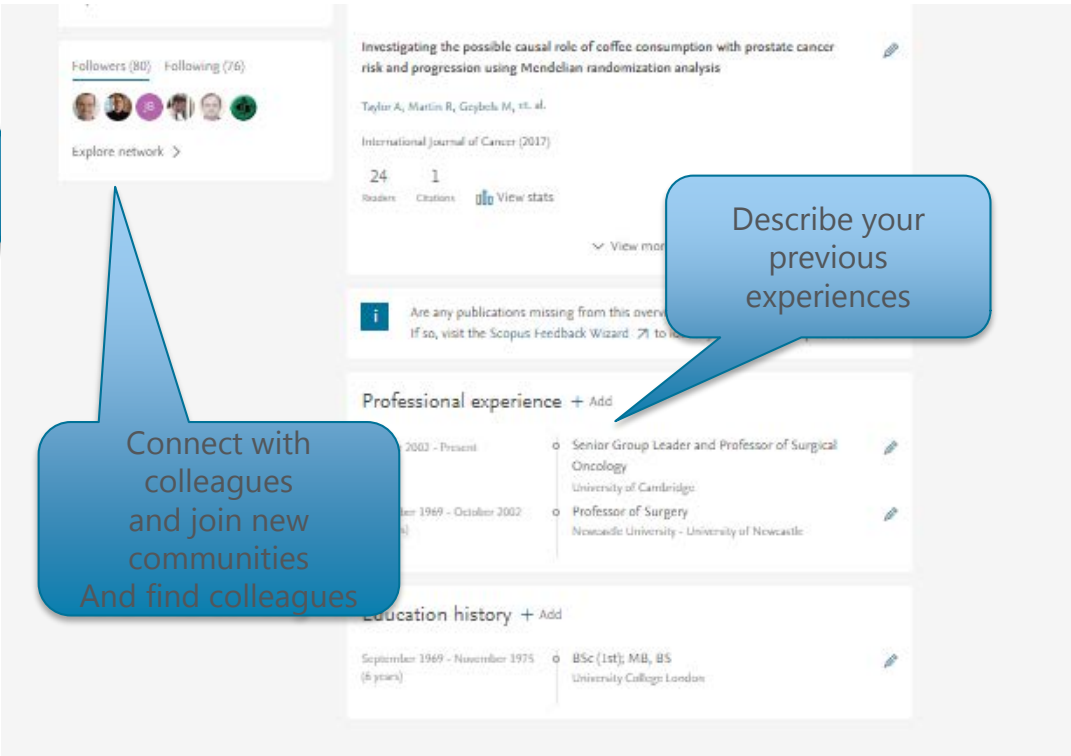
Share your work with other researchers

Describe your previous experiences

Connect with colleagues and join new communities
 And find colleagues

Promote your work and interests to a global audience

Your collaborations are listed here




Followers (80) | Following (76)

Explore network >

Investigating the possible causal role of coffee consumption with prostate cancer risk and progression using Mendelian randomization analysis

Taylor A, Martin R, Geyrhofer M, et al.
 International Journal of Cancer (2017)

24 Readers | 1 Citations |  View stats

Are any publications missing from this overview? If so, visit the Scopus Feedback Wizard

Professional experience + Add

2003 - Present | Senior Group Leader and Professor of Surgical Oncology, University of Cambridge

October 1969 - October 2002 | Professor of Surgery, Newcastle University - University of Newcastle

Education history + Add

September 1969 - November 1975 (8 years) | BSc (1st), MB, BS, University College London

Discover Literature Search on



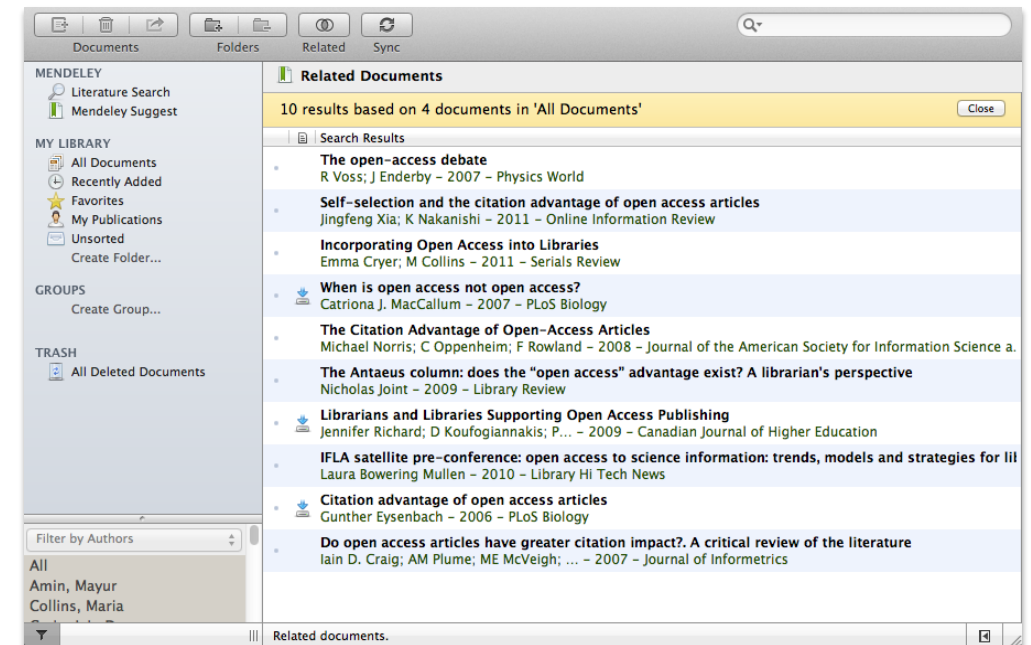
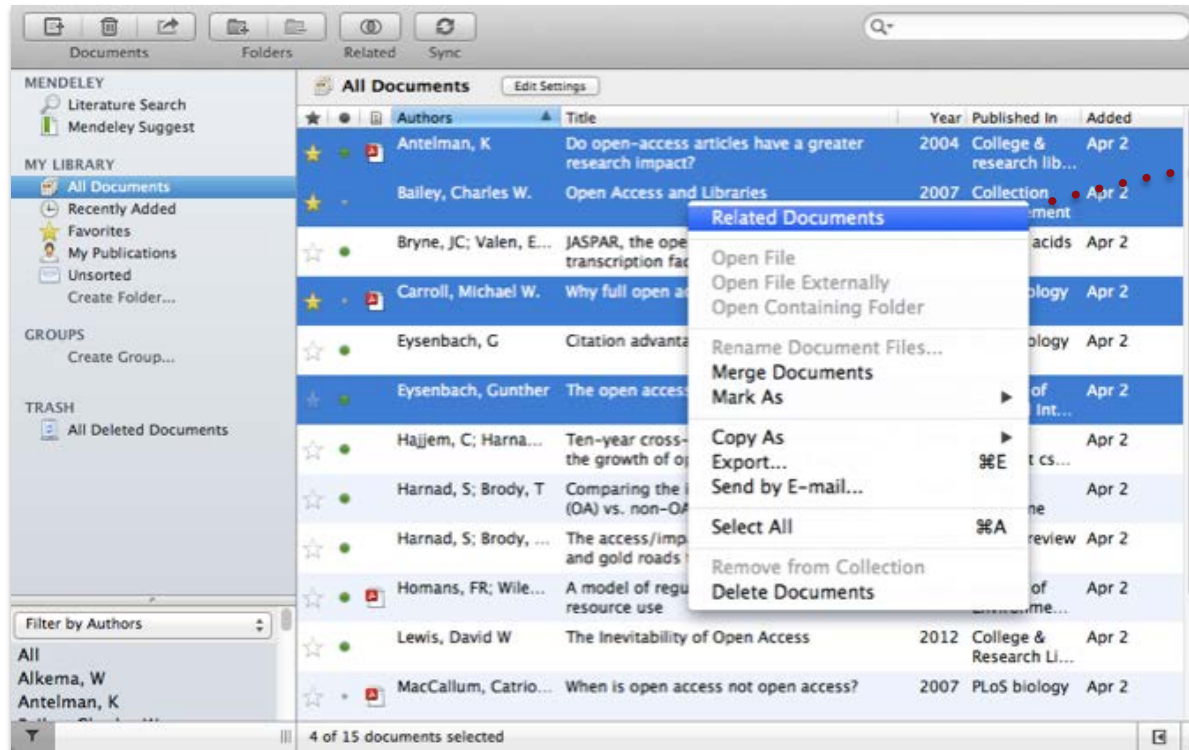
You can search documents over Mendeley's 6.5 million users' libraries

The screenshot shows the Mendeley Literature Search interface. On the left is a sidebar with 'MY LIBRARY' and 'GROUPS'. The main area displays search results for 'cancer treatment'. One result is highlighted: 'Autophagy in pancreatic cancer pathogenesis and treatment' by Rui Kang, D Tang (2012). The details pane on the right shows the document is not in the user's library and offers a 'Save PDF' button. A callout points to this button.

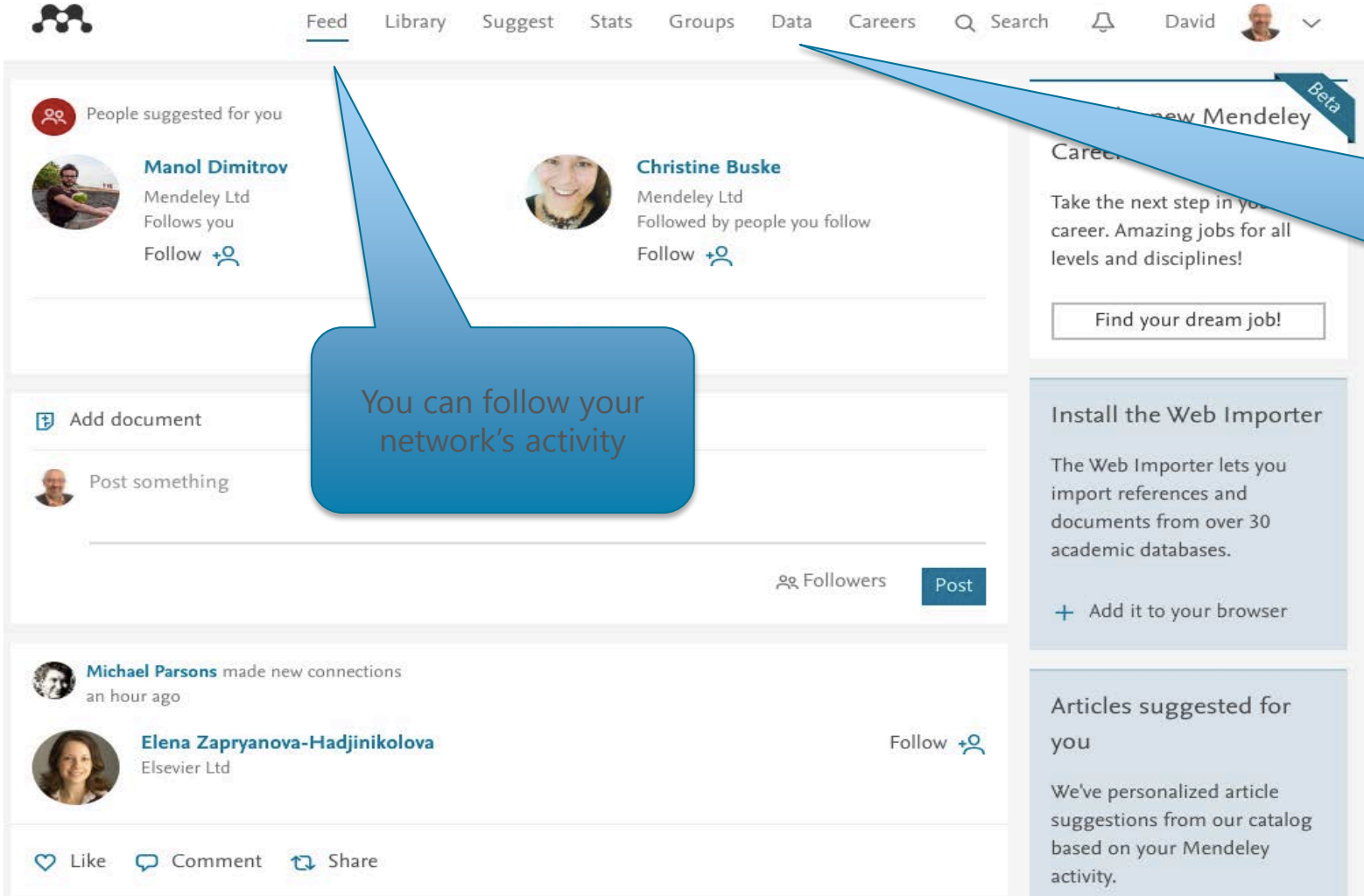
Save new research to your library with one click

If the full text is available, you'll see a download icon:

Related Documents on MENDELEY



1. Select two or more articles
2. Click 'Related Documents'
3. Receive customized recommendations

Feed and Data tabs on  MENDELEY

The screenshot displays the Mendeley website's navigation bar with tabs for Feed, Library, Suggest, Stats, Groups, Data, and Careers. The 'Data' tab is highlighted with a blue callout arrow pointing to a text box. The main content area shows a 'Feed' section with a 'People suggested for you' list featuring Manol Dimitrov and Christine Buske, both from Mendeley Ltd. Below this is an 'Add document' section and a 'Post something' input field. A 'Followers' section shows Michael Parsons and Elena Zapryanova-Hadjinikolova. The right sidebar contains a 'New Mendeley Beta' banner, a 'Careers' section with a 'Find your dream job!' button, an 'Install the Web Importer' section, and an 'Articles suggested for you' section.

Feed Library Suggest Stats Groups **Data** Careers Search David

People suggested for you

Manol Dimitrov
Mendeley Ltd
Follows you
Follow

Christine Buske
Mendeley Ltd
Followed by people you follow
Follow

Add document

Post something

Followers Post

Michael Parsons made new connections
an hour ago

Elena Zapryanova-Hadjinikolova
Elsevier Ltd
Follow

Like Comment Share

New Mendeley Beta

Careers

Take the next step in your career. Amazing jobs for all levels and disciplines!

Find your dream job!

Install the Web Importer

The Web Importer lets you import references and documents from over 30 academic databases.

Add it to your browser

Articles suggested for you

We've personalized article suggestions from our catalog based on your Mendeley activity.

You can follow your network's activity

Mendeley data offers researchers a safe and secure way to upload, access and browse datasets anywhere for free. The data here can also be cited and shared and often makes meeting the requirements for funding bodies all that much easier.

Suggest & Stats tabs on MENDELEY

Feed Library **Suggest** Stats Groups Data Careers Search David

Based on all the articles in your library

Patient-reported outcomes in the ProtecT randomized trial of clinically localized prostate cancer treatments: Study design, and baseline urinary, bowel and sexual function and quality of life

Four-year efficacy of R... and its interaction with malaria

A pilot randomised controlled trial of personalised care after treatment for prostate cancer (TOPCAT-P): nurse-led

Save reference Get full text at journal

Based on your research interests Edit

Urology Surgical Oncology Prostate Cancer Androgen Receptor Signalling and Prostate Cancer Genomics

Cardiology

Screening and prostate cancer mortality: Results of the European Randomised Study of Screening for Prostate Cancer (ERSPC) at 13 years of follow-up

EAU guidelines on prostate cancer. Part 1: Screening, diagnosis, and local treatment with curative intent - Update 2013

Tracking the origins and drivers of subclonal metastatic expansion in prostate cancer.

Save reference

Feed Library Suggest **Stats** Groups Data Careers Search David

Citations 19,723 Powered by Scopus

h-index 75 Powered by Scopus

Publications 587 Powered by Scopus

Views 109K Powered by ScienceDirect

Readers 16,022 Powered by Mendeley

Performance Timeline

Views this month 1,512 Your publications have received 1,512 views so far this month and a cumulative 17,343 views so far this year.

Through stats, you can track your performance. All data is powered by Elsevier products.

Dec '15 Jan '16 Feb '16 Mar '16 Apr '16 May '16 Jun '16 Jul '16 Aug '16 Sep '16 Oct '16 Nov '16

Career tab on



Find a Job Create Job Alert Your Jobs Universities & Colleges All Employers Careers Advice Recruiter

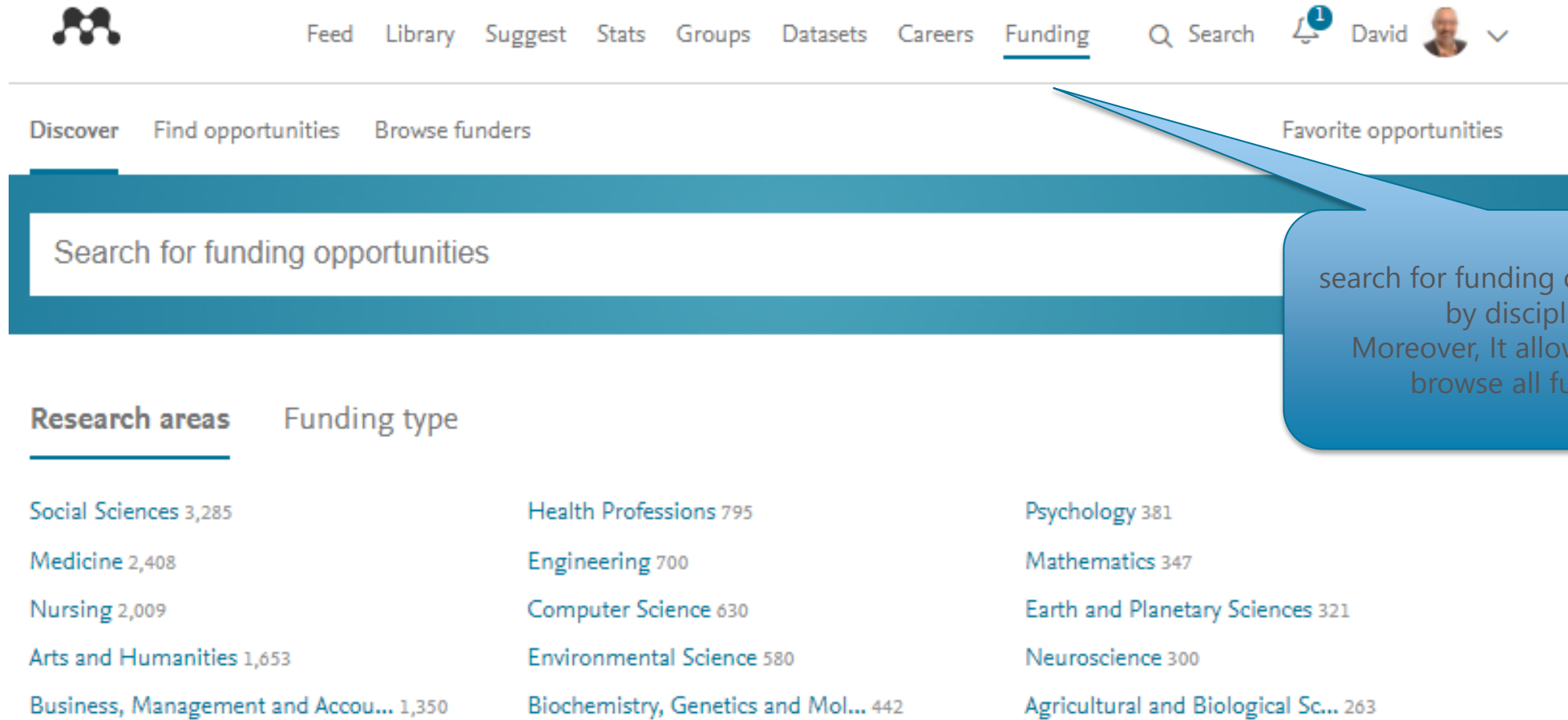
Search 51,380 science and technology jobs on Mendeley Careers

e.g. Biomedical Science Any location Within 20 mile Search

Discipline	Job Type	Location
Agriculture & Biology 2349	Chemistry 4799	Medicine 8043
Arts & Humanities 461	Dentistry 1161	Pharmaceutical 2083
Biochemistry, Biophysics & Biomedics 1633	Engineering 11919	Physical & Earth Sciences 1454
Business, Finance & Law 13497	Mathematics & Computing 13817	Social Sciences 1047

search for open positions by discipline, location and distance within a certain location. Moreover, It allows users to create job alerts, find careers advice, and browse through employers and Institutions who are advertising on this website.

Funding tab on



The screenshot shows the Mendeley website's 'Funding' tab. At the top, there is a navigation bar with the Mendeley logo, 'Feed', 'Library', 'Suggest', 'Stats', 'Groups', 'Datasets', 'Careers', and 'Funding' (which is underlined). To the right of the navigation bar are a search icon, a notification bell with a '1', and a user profile for 'David'. Below the navigation bar, there are three tabs: 'Discover', 'Find opportunities', and 'Browse funders'. A large search bar is present with the placeholder text 'Search for funding opportunities'. Below the search bar, there are two columns of filters: 'Research areas' and 'Funding type'. The 'Research areas' column lists various disciplines with their respective counts. The 'Funding type' column is currently empty. A blue callout box points to the search bar with the text: 'search for funding opportunities by discipline. Moreover, It allows users to browse all funders'. At the bottom right, there is a link 'View all research areas >'.

Discover Find opportunities Browse funders Favorite opportunities

Search for funding opportunities

Research areas Funding type

Social Sciences 3,285	Health Professions 795	Psychology 381
Medicine 2,408	Engineering 700	Mathematics 347
Nursing 2,009	Computer Science 630	Earth and Planetary Sciences 321
Arts and Humanities 1,653	Environmental Science 580	Neuroscience 300
Business, Management and Accou... 1,350	Biochemistry, Genetics and Mol... 442	Agricultural and Biological Sc... 263

View all research areas >

search for funding opportunities by discipline.
Moreover, It allows users to browse all funders

How to reach the resources by yourselves?

- **Sign up to Elsevier Publishing Campus – Free interactive training modules and online lectures**
https://www.publishingcampus.elsevier.com/pages/register_step2
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