

Infazine No. 17

The Magazine for Users of Scientific Information

Is my paper getting downloaded – is my paper getting read?

Researchers want their papers to be read. But is a downloaded paper actually a read paper? Publishers are reluctant to reveal that information, and there is only speculation, e.g. in the blog *Scholarly Kitchen*, where Charlie Rapple – among others – writes on the ‘*Dirty Little Secret About Scholarly Publishing*. Another measure are citations, assuming that cited papers have been read – not necessarily true for all citations. A recently published paper in *Nature* discusses “*The science that’s never been cited*”, based on analysis in *Web of Science*. Just one spoiler: On average, fewer than 10% of the papers remain uncited. Of course, this is also discipline-dependent and journal-dependent. How a particular journal does in terms of citations can easily be retrieved from *Scopus*, Elsevier’s *A&I* database, by using the function “*Compare sources*”. Compare e.g. *Nature Nanotechnology*, *Nano Letters* and *International Journal of Nano and Biomaterials* (tab “% uncited”).

We hope you enjoy reading the 17th edition of the Infazine.

Your Chemistry | Biology | Pharmacy Information Center

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Dimensions – the new kid on the block

Researchers today have many options to find relevant literature. There is [Google Scholar](#), [Microsoft Academic](#), there are communities like [ResearchGate](#) or [Academia](#) and there is [PubMed](#). At research institutions there is access to tools like [Web of Science](#), [Scopus](#) or [Qinsight](#). Now there is another option which is free to all – at least in its basic version: [Dimensions](#). Dimensions – like [Labguru](#), [Altmetric](#) and [Figshare](#) – is part of Digital Science. Digital Science describes Dimensions as a modern, innovative, linked research knowledge system that reimagines discovery and access to research. Dimensions contains 128 million formerly siloed documents, including \$1.3 trillion in research funding and makes over 870 million academic citations freely available. The platform uses natural language processing, artificial intelligence and machine learning to mine publication data (including the full text of 50 million articles), patents, grants and clinical trials to interlink and connect these data, resulting in 4 billion links.

The free web app version is already very cool. Searching for papers for certain topics works well, with Boolean Operators, and double quotes for phrases, but not more. User disambiguation does not work as well as in *Scopus*. The search for yourself as an author yields more hits than *Scopus* or *Google Scholar* because all mentions in front matters, and bibliographic references (which are not citations), including weird documents, are found. The full version (requires a license) shows the additional tabs “Grants” (>3 million), “Patents” (>35 million) “Clinical trials” (>380.000). If the tool is further developed, it could be a competitor for other products. Soon users will be able to create personal log-ins. Integration of datasets is planned for 2018. Beside the free web app there are two APIs, one is free for non-commercial use, the other requires a subscription. Check it out! Further information can be found [here](#).

News from Qinsight

Qinsight, by Quertle, Nevada, USA, uses artificial intelligence to search for data and information in biological and biomedical literature – which would otherwise be hard to find – and also enables predictive visual analytics. Qinsight is available at ETH Zurich, and the new versions 6.1.1 and 6.1.2 bring some improvements.

Simplified Natural Language Queries

From now on it is no longer necessary to use the Power Terms. Searches can also be entered in normal language. The search for "What diseases are associated with aging?" produces the same results as the search for "\$Diseases aging" with the power term "\$Diseases". However, it is still possible to search with Power Terms. Quertle has generally improved the search in natural language. However, the system continues to learn, and if you don't get the expected results of such a search, let Quertle **know** so that the system can be trained accordingly.

Predictive Visual Analytics Updates

- Concept Cloud and Concept Trends: With both visualization types, you can now filter what should be displayed by selecting the checkboxes in the legend.
- Concept Trends: The neural network, which shows trends, has been improved. The more sensitive algorithm now shows better the dynamics of emerging concept trends.

New publication filter

Quertle now also has a filter "Content from conferences or congresses". Quertle aims to record more conferences in the future.

If you have any suggestions as to which conferences should integrate and make the content searchable, please contact **Quertle**.

Identification of abbreviations

Quertle has improved the neural network, which defines and recognizes abbreviations.

Bug Fixes

- Quertle has fixed a bug that did not transfer the applicants for a patent. The "Assignee" is now imported into the "Affiliation" field.
- In a few cases a different spelling and thus search was suggested, although this was not useful. The error has been fixed.

Registration is only necessary if you want to save alerts and personalize.

This Qinsight poster is free for download [here](https://quetzal-search.info).

More full-text

With version 6.1.2 Qinsight has completed the integration of full-text journal articles from Oxford University Press (OUP). The journals included are all those biomedically related. The inclusion of OUP articles brings the total number of full-text documents Qinsight searches to 10.5 million. The OUP addition brings over 400,000 full-text articles that are not searchable in PubMed Central (open access). Quertle has also begun to integrate OUP books and monographs, again those that are biomedical related. Searching the OUP content is automatically included in our Qinsight subscription! Also, Quertle has signed an agreement to index full-text content from the Proceedings of the National Academy of Sciences. This, too, will be automatically included in Qinsight subscription and represents additional content not searchable in PubMed Central.

New Preprint-Server for Engineers

Elsevier has announced that SSRN (Social Science Research Network), its preprint server and early stage research platform, is launching a dedicated engineering network – **EngRN**. By February 7, 2018, 1011 papers have been uploaded.

Number of publications in Scopus

More than 70 million papers can now be found in Scopus, the largest Abstract & Indexing database. To view them all, simply [click here](#) (link works only within the ETH network).

ACS Publications: new timesaving manuscript submission guidelines

The Publications Division of the American Chemical Society has announced "Review-Ready Submission" as part of an ongoing effort to improve the author and reviewer experience. This change – due February 1, 2018 – to submission requirements will save researchers time by eliminating journal-specific formatting. To streamline reference styling, ACS Publications will update publicly available reference managers with a common style, which will automatically include titles. Journal-specific reference styles will be applied by the journal production team after a paper is accepted for publication.

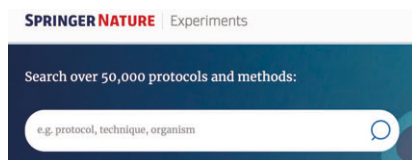
2017 Highly Cited Researchers List

Already last year, Clarivate Analytics has released its annual Highly Cited Researchers list. The citation analysis identifies the most frequently cited researchers as determined by the extent to which their papers have supported, influenced, inspired and challenged other researchers around the globe. The two-part study also spotlights a ranking of Hot Papers that quickly accumulate a high number of citations soon after publication. The 2017 Highly Cited Researchers report, featuring the Hottest Papers and the researchers behind them is available at <http://bit.ly/2hs7nzp>. ETH Zurich researchers [are listed](#) with the affiliation "Swiss Fed Inst Technol Zurich".

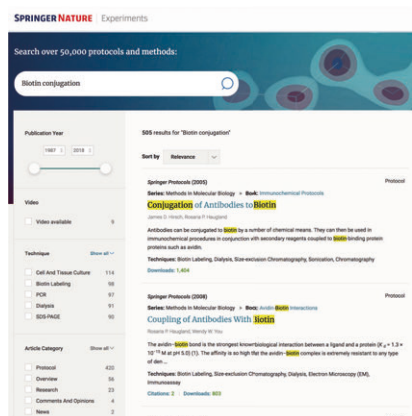
The World's Most Influential Scientific Minds

Springer Nature Experiments

Springer Nature has launched a new, free-to-use research solution, [Springer Nature Experiments](#), to help researchers in the life sciences advance discovery by accessing the most relevant protocols and methods to support their research projects.



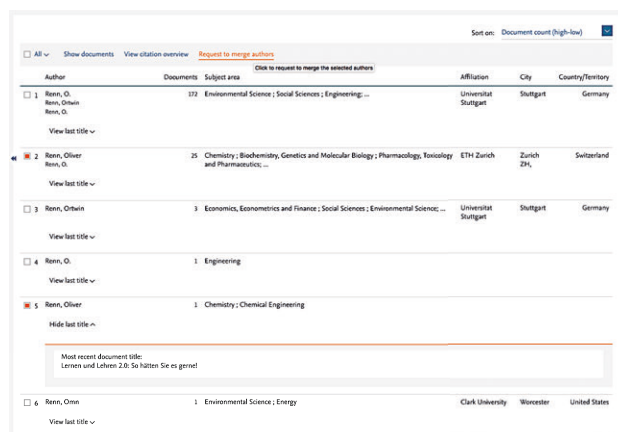
Derived from Springer Nature content only, this is the largest available collection of protocols and methods for the life sciences with content coming from SpringerProtocols, Nature Methods, Nature Protocols and Protocol Exchange – the free repository for scientists to share their protocols with the scientific community. The platform uses advanced knowledge models to categorize content based on techniques and organisms – the two most commonly used search categories identified in user research. With the help of cutting-edge artificial intelligence and text mining technologies, these terms are recognized and extracted from the content, enabling users to perform searches and narrow down their results quickly and easily. In addition, users can evaluate and compare protocols prior to accessing the full-text with the help of protocol landing pages. These summarize key information such as the keywords mentioned, article history and citations which gives an indication of whether the protocol has been used successfully in other research projects.



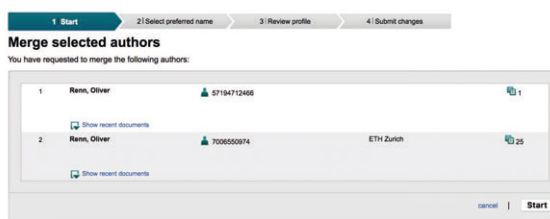
Clean-up your Scopus profile

Scopus is an important resource for ranking universities – whether you like it or not. After all, one criterion for the ranking is the number of citations of scientists in an institution. It is important that all publications of a researcher can be found under only one author profile, i.e. only one Scopus ID. Unfortunately, there are always cases where a publication cannot be correctly assigned and therefore a new Scopus ID is created with only one publication. In many cases this disambiguation works very well. In the D-CHAB, however, there are research group leaders with eight profiles. If one of the minor profiles contains a paper with many citations, this reduces the h-index of the research and the publication output of an institution. The error can be corrected with a few clicks, as the example below shows.

1. Mark the main profile and the new profile with only one paper. Click on "Request to merge authors".



2. Confirm that the profiles are merged and enter the e-mail address in the last step.



Scopus immediately sends you a confirmation e-mail, and usually the profile is merged into a single one within a few days. Verifying that the institution you are affiliated with is still correct might nevertheless be a good idea. In this case, the author has, once again, one unique IFD with Scopus. As long as ORCID is not mandatory, an ORCID does not help in this case.

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App Tip (1)



Storyboard

Storyboard is an app for Android by Research at Google that converts videos into a one-page comic strip, e.g. the Instagram video of the chemistry experiments show on December 24, 2017.



Simply choose a video from your gallery and a comic is generated automatically. With the swipe of a finger you can choose from multiple compositions of panels and filters.



It is not possible to influence layout or snapshots, but some of the generated comic strips look already very good.

News from Scopus

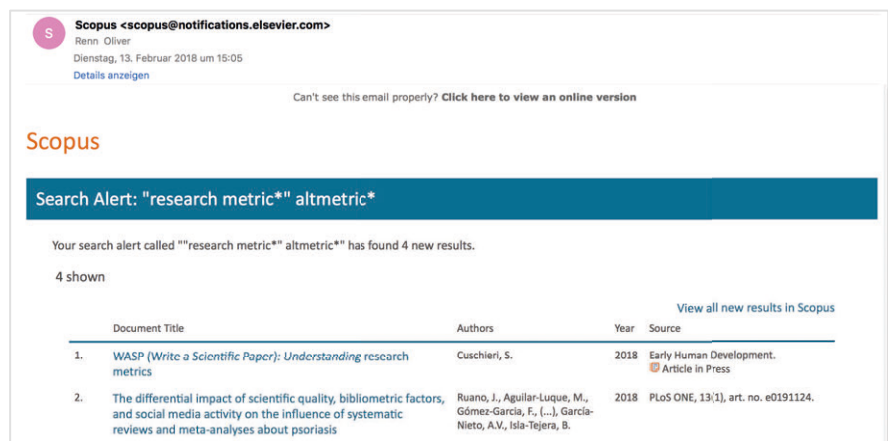
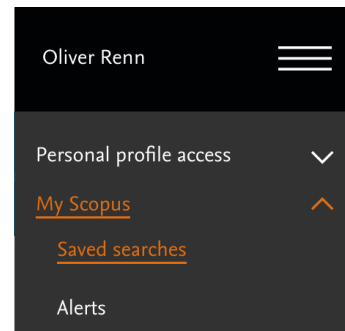
Redesigned “Affiliation Details” Page

The redesigned Affiliation Page now has the following new features:

1. Other name formats of the institution can now be found under the “Affiliation ID” in horizontal order.
2. “View potential affiliation matches” can now be found as a link under the button “Follow this affiliation”.
3. The enumeration of documents (“papers”), authors and patents can now be found in three separate tabs at the top right.
4. New tabs allow the display by *Subject Area*, *Collaborating Affiliations*, and *Source Title*. For some institutions now also a *Affiliation Hierarchy* is displayed, which is not (yet) the case for ETH Zurich.
5. The “Documents by Subject Area” tab now displays a pie chart and a tabular view. The “Sort by” function in the tabular view is also new.

Scopus Alerts and Saved Searches

Browzine (see Infozine No. 16, page 3) is recommended for magazine alerts, while Scopus is recommended for alerts on authors and publications. These alerts received a new design some time ago. Only the first 20 results are displayed, instead of 25 as before. Looking for your *Saved Searches*? Those can be found by clicking into the spine top right – go to “My Scopus”!



Example of a Scopus alert. You can follow papers, topics, authors, citations and much more. E-mail notifications can be received daily or on a day and frequency of your choice.

Subject Area	Count
Physics and Astronomy	30175
Engineering	24305
Biochemistry, Genetics and Molec...	23892
Chemistry	22866
Materials Science	17043
Computer Science	15431
Earth and Planetary Sciences	13937
Chemical Engineering	12219
Mathematics	12103
Agricultural and Biological Sciences	10585
Medicine	10188
Environmental Science	9653
Pharmacology, Toxicology and Pha...	6309
Immunology and Microbiology	3650
Social Sciences	3530
Energy	3170
Neuroscience	3019
Multidisciplinary	2225
Economics, Econometrics and Fi...	1696
Business, Management and Acc...	1314
Decision Sciences	1265
Arts and Humanities	1092
Psychology	862
I health Professions	677
Veterinary	482
Nursing	479
Undefined	421
Dentistry	74

Recommended Reading

Update on DORA

The *San Francisco Declaration of Research Assessment* (DORA) has been proclaimed in December 2012. Now, five years later, an article in *Nature* by Stephen Curry claims that it is time to shift from making declarations to finding solutions. DORA will now engage in developing standards, and start by collecting and disseminating good examples of impact factor-free research evaluation.

Why old men have bigger ears

In September, the Ig Nobel Prizes (ignoble unworthy, disgraceful, shameful, disgraceful) were again awarded at Harvard University. **This year**, also two Swiss citizens were awarded a Ig Nobel Prize: The one for biology and the Ig Nobel Peace Prize. To give an example: James A. Heathcote received the 2017 Ig Nobel Prize for Anatomy because of his publication “Why Do Old Men Have Big Ears?”, published in the *British Medical Journal* in 1995.

Springer Nature SciGraph reaches one billion metadata

SciGraph, the Linked Open Data (LOD) platform launched by Springer Nature in March 2017 (see Infozine No. 14), provides now over one billion metadata statements about content published by Springer Nature – one of the big three scientific publishers – and links to established external datasets. The data cover various subjects and scientific disciplines. Users can explore the connections between bibliographic metadata statements labeled by a range of categories including author, institution, fields of study, research grants, funders, conferences, locations. Citations, patents and clinical trials will be added in 2018. The majority of these datasets are freely accessible and provided in a way that allows experts to analyze downloaded datasets using their own software, or by using the new SciGraph Data Explorer online.

Springer Nature SciGraph Data Explorer

Search across one billion facts from the scholarly domain.

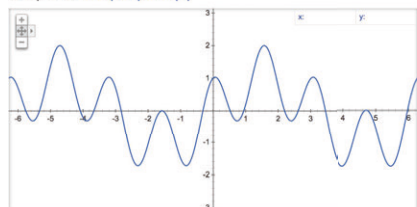
Not sure where to start? Try searching for an organization, e.g. the 'Francis Crick Institute', a topic, e.g. 'machine learning', or an author, e.g. 'Steven Pinker'.

The benefit of this application, however, is not yet obvious. A convincing use case may require the integration into internal systems through the API.

Three Google Tips

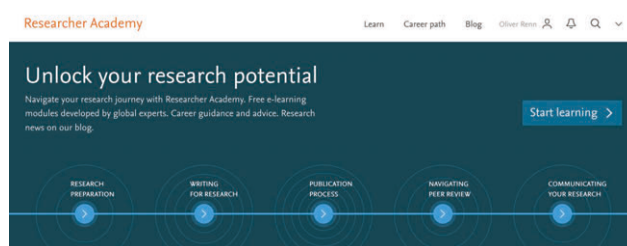
1. Limiting results to certain websites only, e. g. from Twitter:
"coffee lecture" site: twitter.com
2. Getting an explanation of an unknown term, e.g.
define:"Bundesrat"
3. View mathematical functions and plot a graph: type in e.g.:
 $\cos(4x)+\sin(x)$

Graph for $\cos(4x)+\sin(x)$



Elsevier's Researcher Academy (formerly known as Publishing Campus)

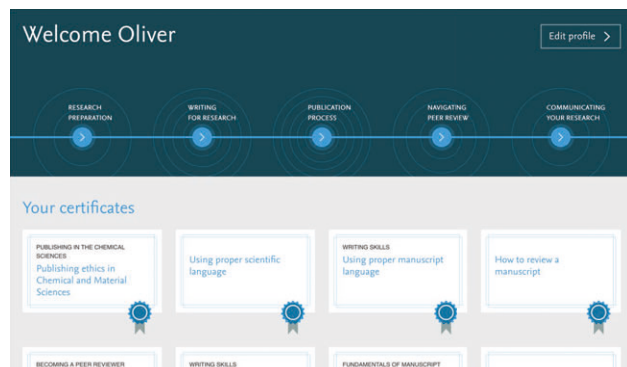
Early this year, Elsevier relaunched its free e-learning platform, formerly known as Publishing Campus, as Researcher Academy – using exactly the same name as Wiley uses for their academy (which is behind a paywall and has entry-level examinations). According to Elsevier, the relaunch is much more than a new name and website – it is a new concept designed with you, the researcher, at its very heart. There are no longer Colleges within the Campus, but still e-learning modules and many resources that take you through the different phases of the research cycle – from the beginnings of research preparation, through the publishing process, all the way to demonstrating impact. These resources were created to help bridge the gap between academic achievement and professional success. All Academy items, over 100 downloadable guides, videos, and research tools, are aligned along the “Research Cycle”.



However, you may switch to the tab “Content Library”, and filter according to type, topic, and language.



Good news: You can still earn certificates, and if you log in, your old certificates are there, although not yet processed into the new style.



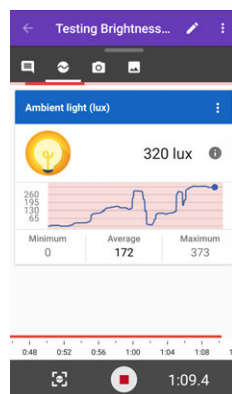
Earning certificates gets you exclusive discounts to the [Elsevier Author WebShop](#). Complete entire topics and receive a certificate of excellence with a special discount code to be used at the [Elsevier store](#).

App Tip (2)



Science Journal

Science Journal is actually not a journal, but an app from Google, which is supposed to be a digital notebook for scientific purposes.



According to Google it is a handy place to store all your notes, photos and observations – for everyone, whether they're science professionals or hobbyists.

The sensors in the telephone can be used to measure and graphically display phenomena such as light, sound and movement. External sensors for experiments can also be connected via Bluetooth. Free on the [Google Play](#) and [Apple App Store](#), watch a video [here](#).

Introducing Information Center Staff

In this issue of Infozine we introduce our new apprentice. Jelena Jovanovic (☎ 3 68 82) began her training as a *Fachfrau Information und Dokumentation* – specialist in information and documentation in summer 2017 and will finish her three-year apprenticeship in the summer of 2020. You can already find Jelena regularly at the Infodesk and there are also some internships in planning, where she will get to know the whole variety of her profession. She also attends vocational school and the BMS. In her spare time Jelena devotes herself to music and she likes to draw and read.



Are your kids co-authors of your papers?

According to a recent [Nature news article](#), some South Korean researchers have named their children as co-authors on papers. In some cases, students seem to have participated in the research as part of school projects, but others appear to have been credited to give them an edge in hyper-competitive university applications.

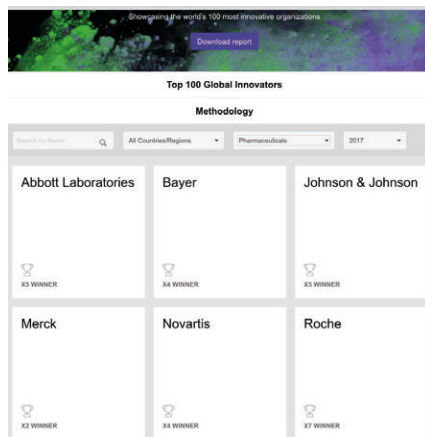
CompiCampus Courses

Also in 2018 the Information Center participates in the Compicampus IT short courses by Informatikdienste and offers ChemDraw courses, given by Dr. Joachim Schnabl. In the course we will provide students in chemistry and life sciences with knowledge about the basic functions in ChemDraw as well as give tips and tricks for advanced usage. Never lose time again when drawing structures and reactions on a computer! The next free course is scheduled for March 12, 2018. Registration is [online](#) via CompiCampus by Informatikdienste.



Clarivate Analytics names 2017 Top 100 Global Innovators

Clarivate Analytics, the business formerly owned by Thomson Reuters, with brands like Web of Science, Integrity, Endote, has announced its 2017 list of Top 100 Global Innovators. The annual report highlights the most successful organizations in the world that are active in innovation through research and development, protection of their IP and the achievement of commercial success. The list of innovators can be viewed [here](#).



Explanation in brief

PechaKucha

PechaKucha is a format that is getting more and more popular at conferences. PechaKucha is Japanese and means chit-chat and is for those of us that are into visuals. An oral presentation is accompanied by 20 slides that are shown for 20 seconds each (which means you can talk 6 minutes and 40 seconds in total). Annie Callanan, Taylor & Francis Group, Oxford, has given such a talk, a bit longer, at the APE2018 in Berlin. The Video of “A Modest Proposal: Publishing in the 21st Century” should be available [online soon](#).

Tools and Databases

The modules [Databases](#) and [Tools](#) on our website will soon provide more contents respectively links as the PhD students of our course *Scientific Information Retrieval and Management in Life Sciences and Chemistry* have shared their favorites with us, which will now be added in due course.

Coffee Lectures – the 14th Series

We are starting the 14th, three-week series of our [Coffee Lectures](#) on February 27, 2018. Once again, every Tuesday, Wednesday and Thursday at 1:00 pm you can enjoy 10 minutes of education. This series brings also an external speaker: Monika Schlatter will talk about “Twitter for Science: Toy or important tool?” The other topics are:

- EndNote: The most important features (No. 10)
- Qinsight: Discover | Analyze | Decide (No. 42)
- Quick and easy: Screencasts on Mac or iPad (No. 47)
- Visit the Engineering Village (No. 13)
- 3D images with PyMOL in publication quality (No. 54)
- WebCSD – the online portal to the Cambridge Structural Database (No. 22)
- Use WordPress blog software for information management (No. 15)
- ChemSpider (No. 26)

Import “your” Coffee Lecture into your calendar.

ETH zürich
Thirsty for coffee?
Thirsty for knowledge?
Get both. For free.
Coffee Lectures
Tuesdays, Wednesdays and Thursdays
HCI G2 | 13:00 - 13:10 | 10 minutes only
www.infozentrum.ethz.ch

Imprint

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