
KUDOS
Greater Research Impact

KUDOS

helps **institutions + publishers**
mobilize researchers
to undertake more **outreach**
around their work and thus
increase **visibility** and **impact**

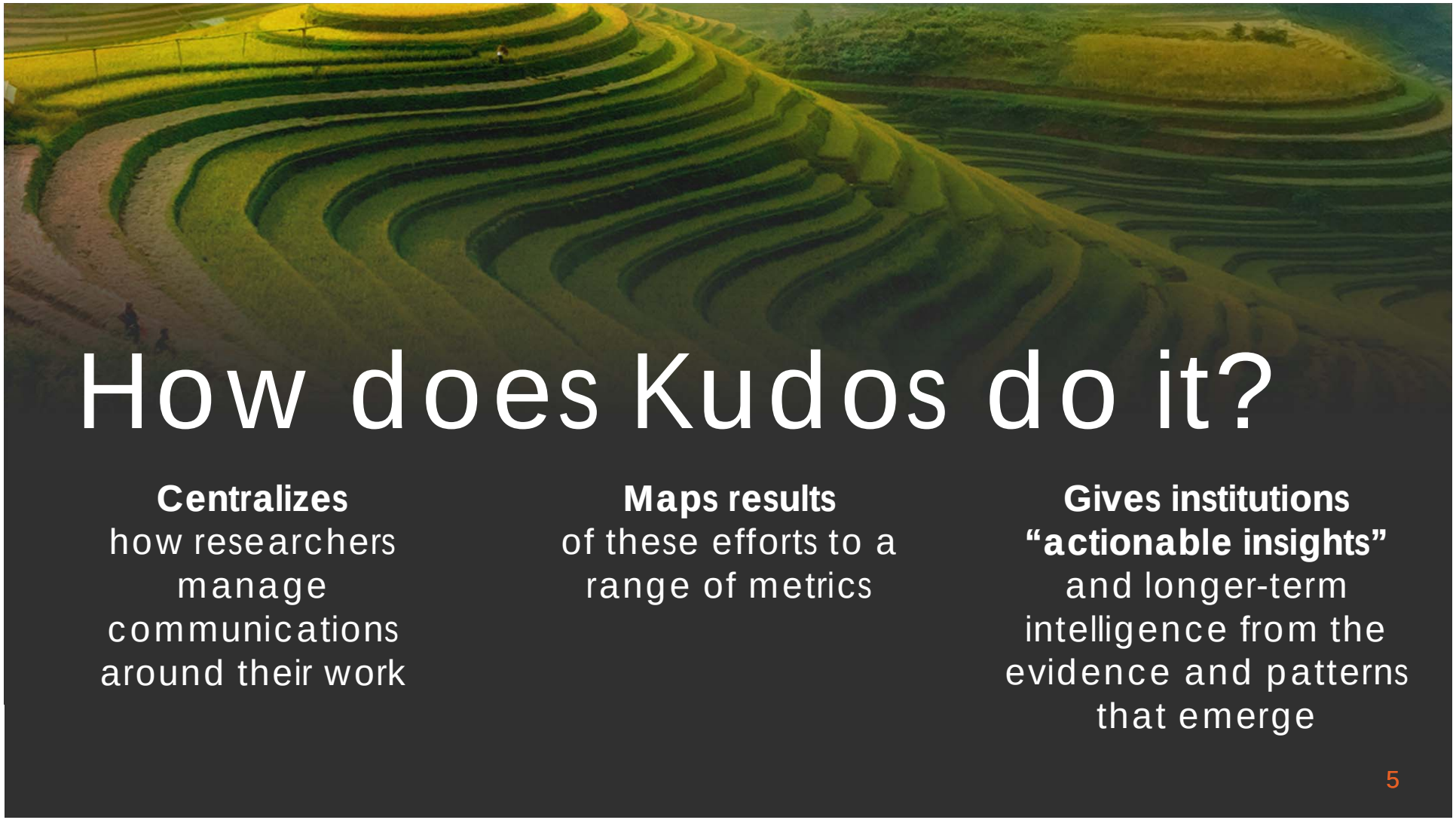

Why?
competition for funding
growing impact agenda
huge growth in outputs
fight for visibility and usage
“off-grid” sharing
psi
0
10
20
30
40
50
60
70
80
90
100

What is Kudos working to achieve?

More **impact** for research • More **recognition** for researchers

Better **evidence** to help researchers, institutions and publishers use communications more effectively to drive impact

Better **collaboration** between these groups to maximize results of each others' efforts to create impact



How does Kudos do it?

Centralizes
how researchers manage communications around their work

Maps results
of these efforts to a range of metrics

Gives institutions "actionable insights"
and longer-term intelligence from the evidence and patterns that emerge

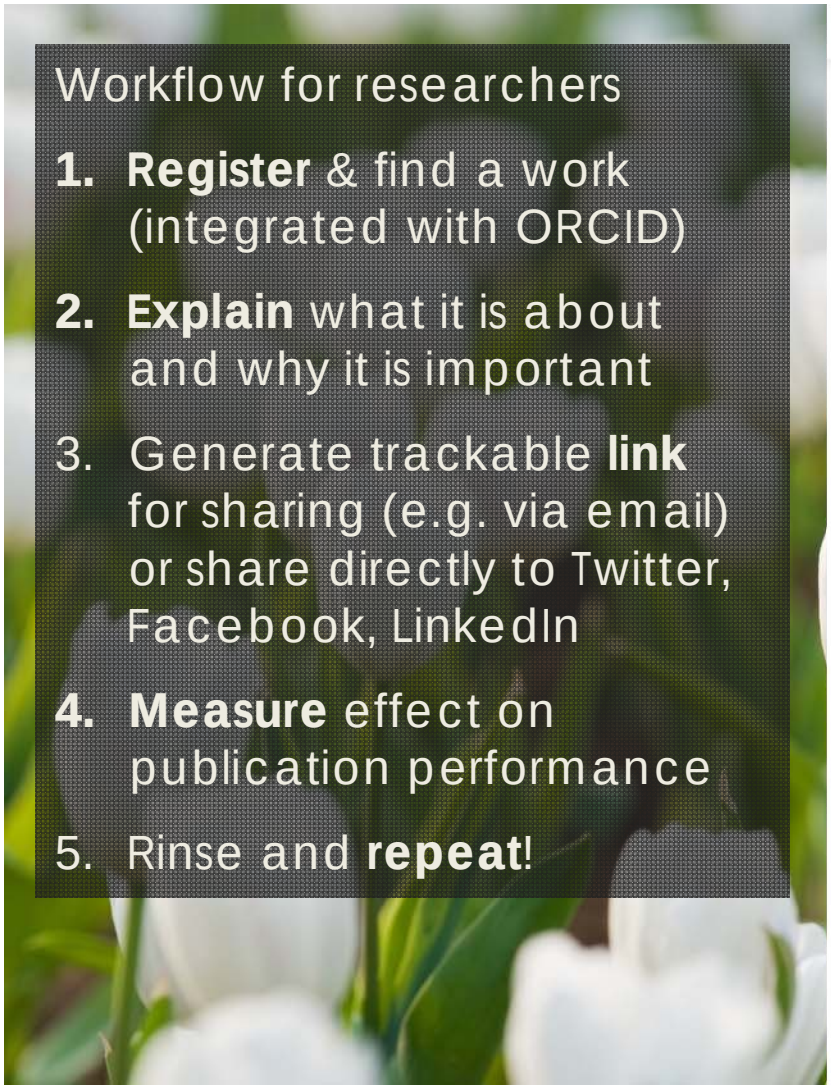
Does it work?

Nanyang Technological Institute study, 2015

Explaining and sharing via Kudos
correlated to

23%

higher downloads of
full text on publisher sites



KUDOS

Charlie Rapple | Menu

A cleaveable linker on magnetic nanoparticles that is useful for biological applications

ChemComm

Click and release: fluoride cleavable linker for mild bioorthogonal separation

Martin Zeltner,Vladimir Zlateski,Robert N. Grass,Elia M. Schneider,Wendelin J. Stark

Published in: Chemical Communications
Publication date: January 2016
Publisher: Royal Society of Chemistry
DOI: http://dx.doi.org/10.1039/c5cc07692g

Report a data issue

Read Publication

Claim this publication

About | Share | Metrics | Authors | Related Publications | Activity Log

Co-authors: sign in and claim this publication to add your perspective.

What's it about?

By modifiyng a well known alcohol protecting group (the silyl protection group) we created a system that is able to catch and release biomolecules, such as enzymes and proteins, leaving them unharmed and functional after release. The cleaving agent is buffered oxide etch (buffered fluoride ions), a reagent normally used to etch silica (i.e. glas).

Why is it important?

Magnetic nanoparticles are especially useful when it comes to avoiding tedious separation techniques, such as column chromatography, His-tag chromatography or long spin column runs. This paper shows how to extract your tagged enzyme out of a solution and releasing it in another, "cleaner" environment, therefore avoiding these cost and time-intensive purification steps. This material can be useful for protein purification, upconcentration etc.

Perspectives

Mr Elia Schneider (Author)

In my opinion magnetic nanoparticles will have a supstantial impact in simplifying the the everyday life of biological chemist or synthetic biologist. However, simple and easy-to-use systems still have to be elaborated. Low-cost, non-toxic, highly functionalized nanoparticles with proper anti-fouling properties are needed and will be developed.

Read Publication

Charlie — If you are a co-author, please claim this publication using the button above. You can then explain and share it to help increase its impact.

Visual Summary

View full size

Resources

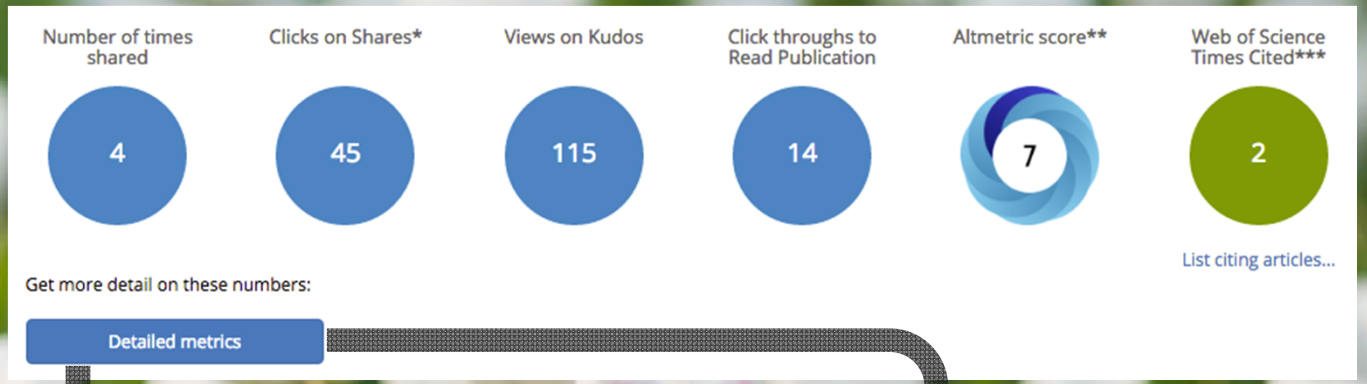
External resources such as presentations, videos, interviews, figures, data-sets or related publications

the nanoparticles used in this paper
The nanoparticles used in this paper can be bought on sigma aldrich or via www.turbobeads.com

You might also like...

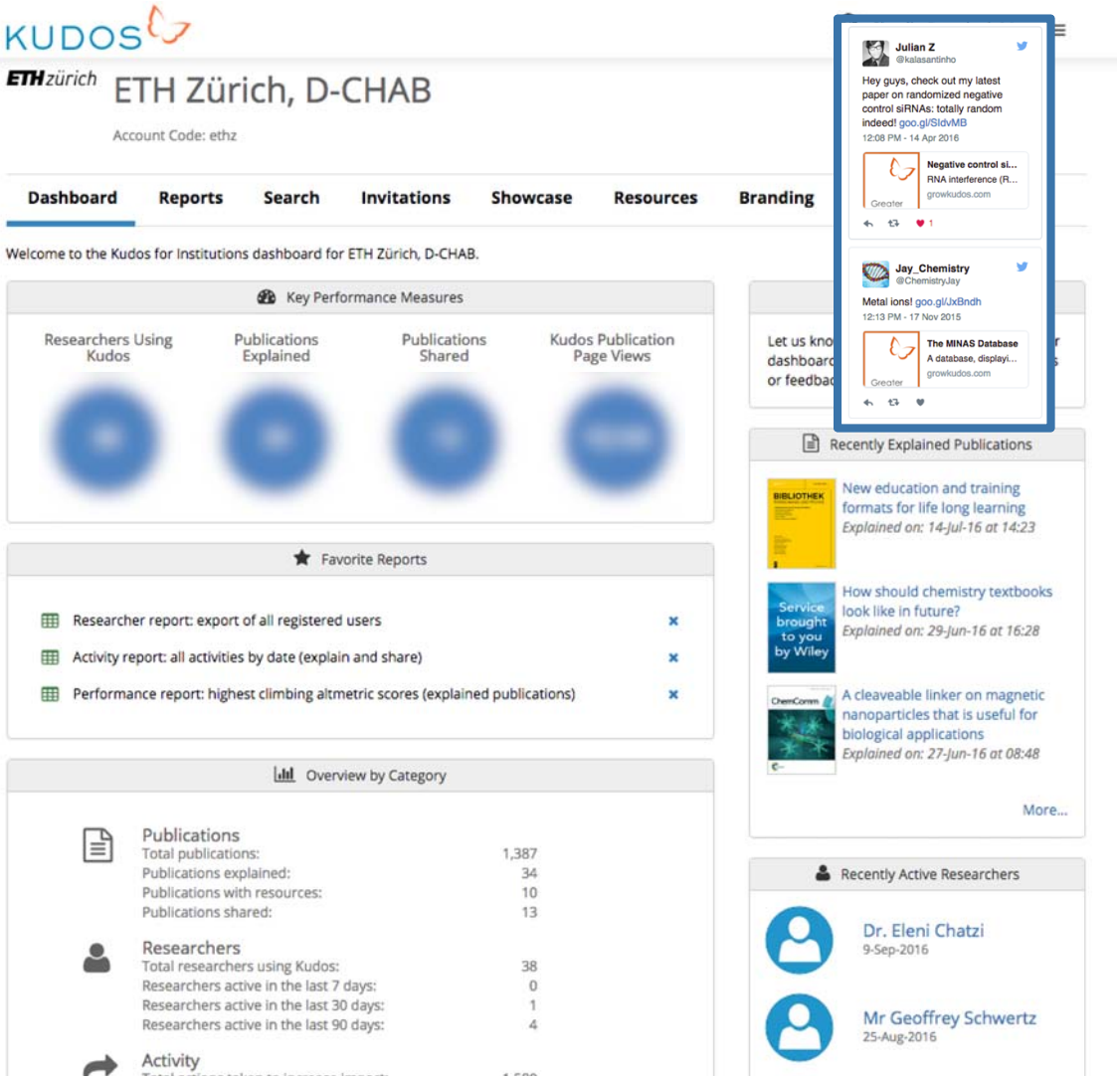
Purification of PEGylated Protein Using Membrane Chromatography
Deqiang Yu et al., Kudos, 2010

Mapping communications to publication performance



Service for institutions

- Plain language explanations to help comms teams engage a broader audience with the institution's research
- Centralized data on who is actively communicating about their work, where and to what effect
- Learn the most effective ways to drive publication impact – finetune institutional communications efforts, and provide better guidance to researchers
- Quickly and easily amplify researchers' efforts



What's the difference between Kudos and Altmetric?

Kudos is not a metric; it brings together a range of metrics at a high-level

to inspire researchers to talk about their work

Altmetric scans social / traditional media, Wikipedia, govt policy etc

to track attention being paid to work

Kudos maps attention back to emails, social media, academic networks

to show who is active and what works

What else makes Kudos different?

Multi-channel

Multi-metric

Multi-publisher

Focused on creating impact

Attracting researchers at ETH Zurich

Coffee Lectures

ETH zürich

Critical Thinking

Jahresprogramm 2016

162

Coffee Lectures

Datum
Wird bekannt gegeben

Ort
ETH, HCI G 2

Veranstaltungstyp
Seminarreihe

Wiederkehrende Veranstaltung
Ja

Anbieter
Oliver Renn

Weitere Beteiligte
Jozica Dolenc
Joachim Schnabl

Organisationseinheit
D-CHAB

Anmeldung erforderlich
Nein

Zielpublikum
Studierende
Doktorierende
Postdocs
Mitarbeitende

Empfohlen für
D-BSSE
D-MATL
D-BIOL
D-CHAB
D-HEST

Naturwissenschaften und Mathematik

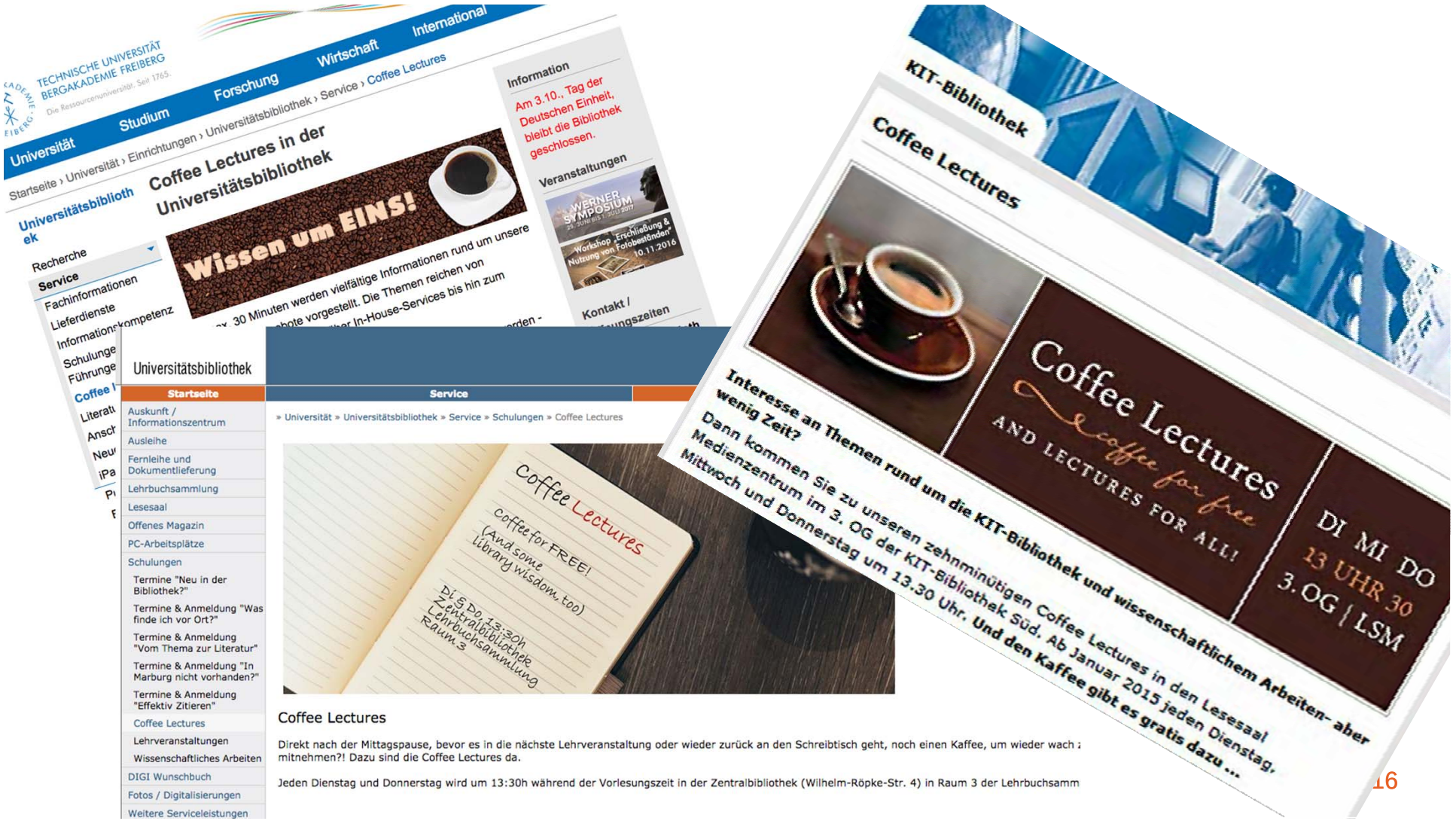
Information, Wissen und ein Kaffee – das ist das Konzept der Coffee Lectures, kurzer Präsentationen, die maximal 10 Minuten dauern. Sie erfahren dabei alles Wichtige über eine Datenbank, eine Informationslösung oder lernen einen nützlichen Trick. Einen Kaffee oder Tee gibt es gratis dazu sowie eine Sammelkarte, auf denen die wichtigsten Inhalte der Coffee Lecture zusammengefasst sind.

Die bisher fast 50 Themen reichen von spezifischen Datenbanken und Tools in Life Science und Chemie bis hin zu Coffee Lectures über unbekannte Google Tools, LinkedIn oder ResearchGate oder reflektieren kritisch das Publikationswesen, wie die Coffee Lecture über Predatory Publishers. Coffee Lectures werden nach Wunsch in deutscher oder englischer Sprache gehalten.

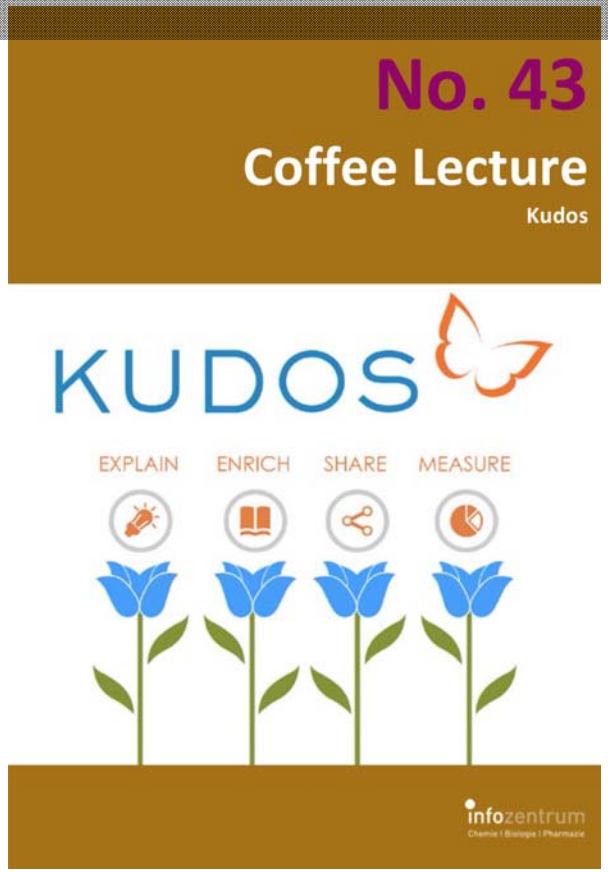
Coffee Lectures finden immer in dreiwöchigen Blöcken, jeweils Dienstag, Mittwoch und Donnerstag um 13 Uhr statt. Die Termine und Themen werden jeweils über die Website www.infozentrum.ethz.ch und Plakate angekündigt.

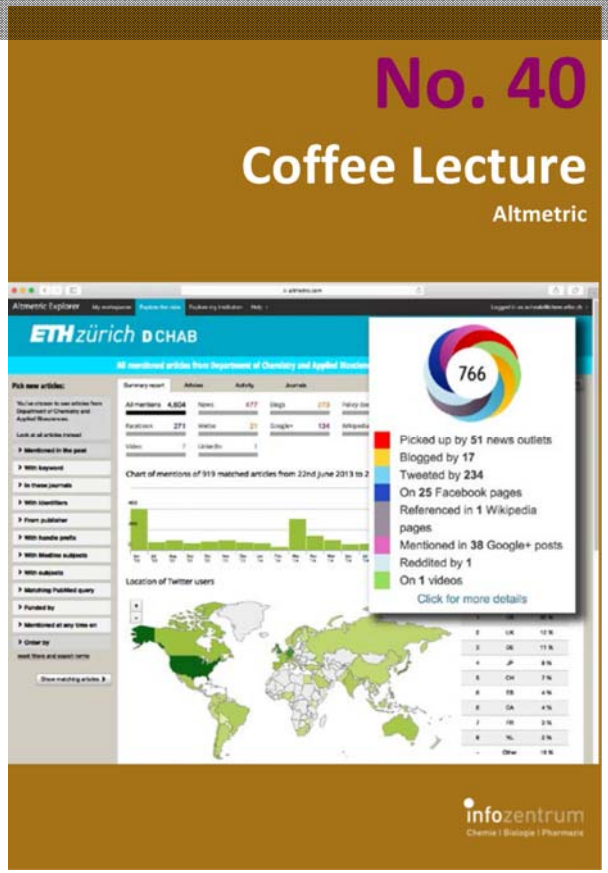
Weitere Informationen
www.infozentrum.ethz.ch (News)
www.infozentrum.ethz.ch/dienstleistungen/education-training
ETH Zürich – YouTube Video: https://www.youtube.com/watch?v=pioJPo-IPAo

Schlüsselqualifikationen
☒ Analysieren und reflektieren ☒ Urteil bilden und Haltung entwickeln ☒ Kommunizieren, argumentieren und verantwortungsvoll handeln


TECHNISCHE UNIVERSITÄT BERGAKADEMIE FREIBERG
Universität
Studium
Forschung
Wirtschaft
International
Startseite › Universität › Einrichtungen › Universitätsbibliothek › Service › Coffee Lectures
Coffee Lectures in der Universitätsbibliothek
Wissen um EINS!
Information
Am 3.10., Tag der Deutschen Einheit, bleibt die Bibliothek geschlossen.
Veranstaltungen
Kontakt /
Recherche
Service
Fachinformationen
Lieferdienste
Schulungen
Führungen
Universitätsbibliothek
Startseite
Service
» Universität » Universitätsbibliothek » Service » Schulungen » Coffee Lectures
Auskunft / Informationszentrum
Ausleihe
Fernleihe und Dokumentlieferung
Lehrbuchsammlung
Lesesaal
Offenes Magazin
PC-Arbeitsplätze
Schulungen
Termine "Neu in der Bibliothek?"
Termine & Anmeldung "Was finde ich vor Ort?"
Termine & Anmeldung "Vom Thema zur Literatur"
Termine & Anmeldung "In Marburg nicht vorhanden?"
Termine & Anmeldung "Effektiv Zitieren"
Coffee Lectures
Lehrveranstaltungen
Wissenschaftliches Arbeiten
DIGI Wunschbuch
Fotos / Digitalisierungen
Weitere Serviceleistungen
Coffee Lectures
Coffee for FREE!
(And some Library Wisdom, too)
Di & Do 13:30h
Zentralbibliothek
Lehrbuchsammlung
Raum 3
Coffee Lectures
Direkt nach der Mittagspause, bevor es in die nächste Lehrveranstaltung oder wieder zurück an den Schreibtisch geht, noch einen Kaffee, um wieder wach z
mitnehmen?! Dazu sind die Coffee Lectures da.
Jeden Dienstag und Donnerstag wird um 13:30h während der Vorlesungszeit in der Zentralbibliothek (Wilhelm-Röpke-Str. 4) in Raum 3 der Lehrbuchsamm
KIT-Bibliothek
Coffee Lectures
Coffee Lectures
coffee for free
AND LECTURES FOR ALL!
DI MI DO
13 UHR 30
3.OG | LSM
Interesse an Themen rund um die KIT-Bibliothek und wissenschaftlichem Arbeiten- aber wenig Zeit?
Dann kommen Sie zu unseren zehnminütigen Coffee Lectures in den Lesesaal Medienzentrum im 3. OG der KIT-Bibliothek Süd. Ab Januar 2015 jeden Dienstag, Mittwoch und Donnerstag um 13.30 Uhr. Und den Kaffee gibt es gratis dazu ...

Kudos and Altmetric Coffee Lectures





Altmetric Explorer | My workspaces | Explore the data | Explore my institution | Help | Logged in as schnabl@chem.ethz.ch

ETH zürich D CHAB

All mentioned articles from Department of Chemistry and Applied Biosciences

Pick new articles:

You've chosen to see articles from Department of Chemistry and Applied Biosciences.

Look at all articles instead

- Mentioned in the past
- With keyword
- In these journals
- With identifiers
- With ORCID
- From publisher
- With handle prefix
- With Medline subjects
- With subjects
- Matching PubMed query
- Funded by
- Mentioned at any time on
- Order by

reset filters and search terms

Show matching articles

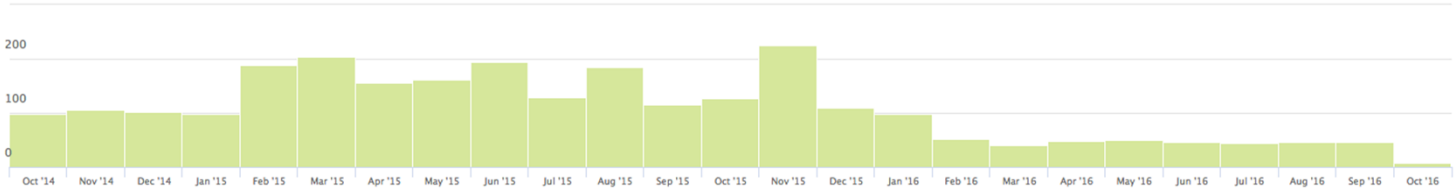
Summary report | Articles | Activity | Journals

Save this workspace | API

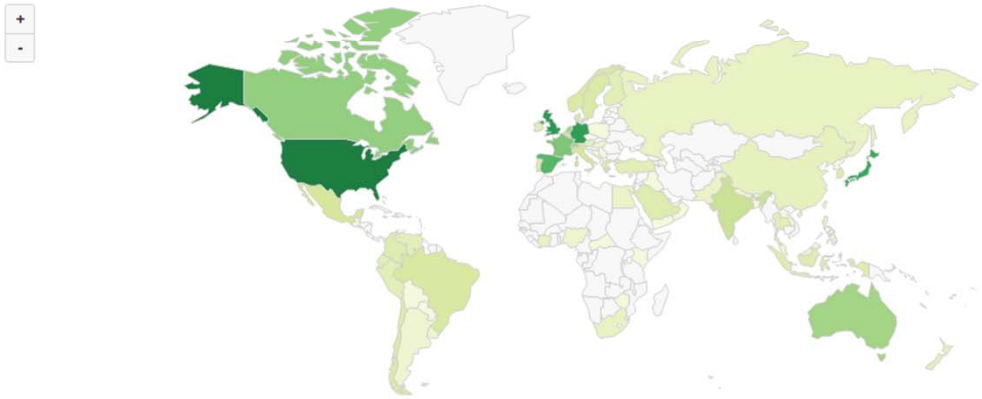
All mentions	News	Blogs	Policy documents	Peer reviews	Twitter	Facebook	Weibo
6,518	645	384	3	15	4,735	350	35

Google+	Wikipedia	Research highlights	Reddit	Video	Q&A	LinkedIn
152	98	76	15	7	2	1

Chart of mentions of 1,211 matched articles from 4th October 2014 to 3rd October 2016



Location of Twitter users



Ranking	Country	Percentage
1	US	32 %
2	UK	13 %
3	DE	11 %
4	JP	7 %
5	ES	5 %
6	FR	3 %
6	CA	3 %
7	CH	2 %
7	AU	2 %
-	Other	18 %

Altmetric Explorer | My workspaces | Explore the data | Explore my institution | Help | Logged in as schnabl@chem.ethz.ch

ETH zürich D CHAB

All mentioned articles from Department of Chemistry and Applied Biosciences

Pick new articles:

You've chosen to see articles from Department of Chemistry and Applied Biosciences.

Look at all articles instead

- Mentioned in the past
- With keyword
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- With identifiers
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- From publisher
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- With Medline subjects
- With subjects
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- Mentioned at any time on
- Order by

reset filters and search terms

Show matching articles

Summary report | Articles | Activity | Journals

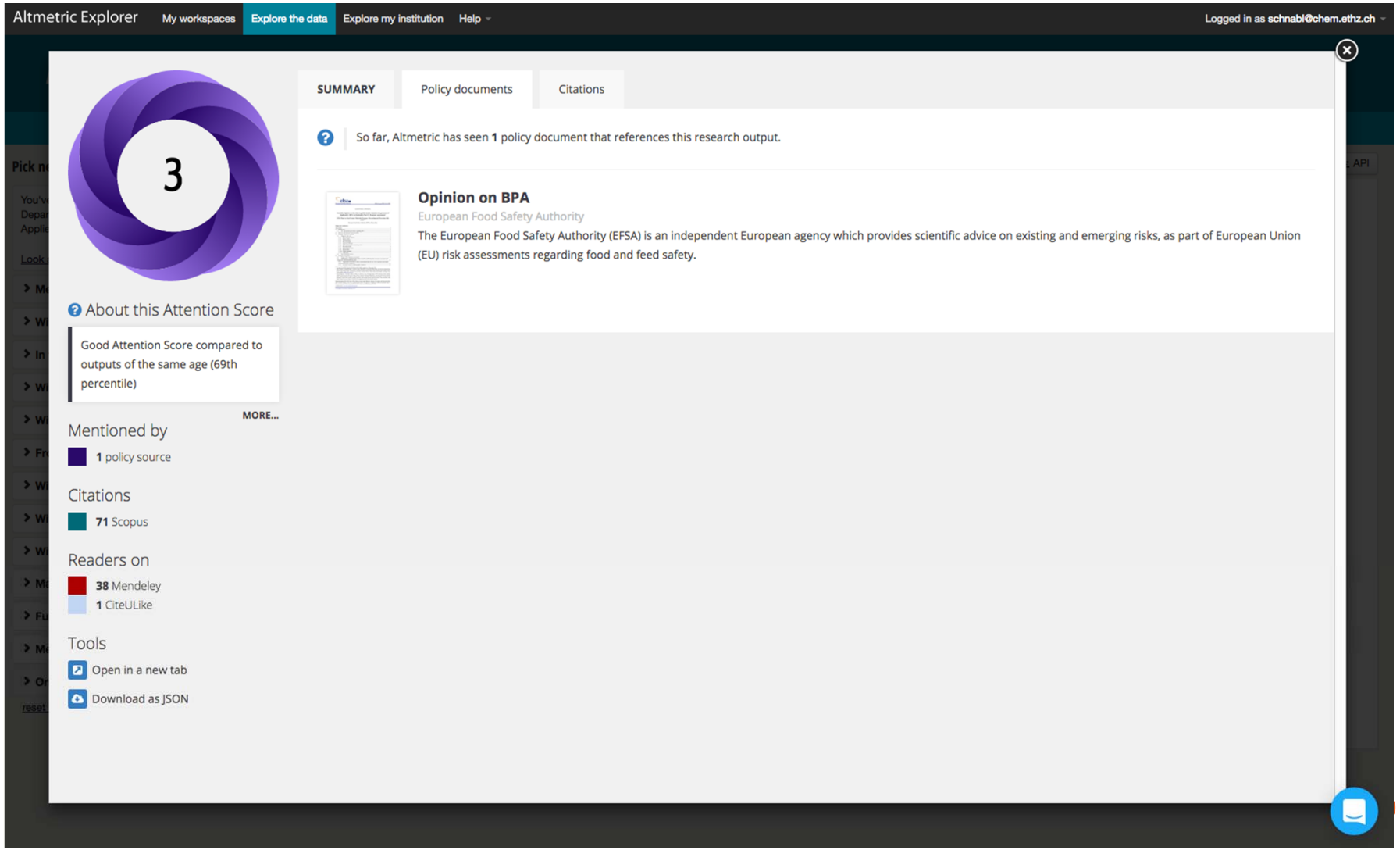
Save this workspace | API

All mentions 6,518	News 645	Blogs 384	Policy documents 3	Peer reviews 15	Twitter 4,735	Facebook 350	Weibo 35	
Google+ 152	Wikipedia 98	Research highlights 76	Reddit 15	Video 7	Q&A 2	LinkedIn 1		

Chart of policy documents of 3 matched articles from 4th October 2014 to 3rd October 2016

Top articles in policy documents

	Rank	Policy Documents	Score	Title	Journal
	1st	1	3	How many persistent organic pollutants should we expect?	Atmospheric Pollution Research
	1st	1	3	PBDE exposure from food in Ireland: optimising data exploitation in probabilistic exposure modelling	Journal Of Exposure Science & Environmental Epidemiology
	1st	1	3	Bisphenol A: How the Most Relevant Exposure Sources Contribute to Total Consumer Exposure	Risk Analysis: An International Journal


Altmetric Explorer
My workspaces
Explore the data
Explore my institution
Help
Logged in as schnabl@chem.ethz.ch
3
About this Attention Score
Good Attention Score compared to outputs of the same age (69th percentile)
MORE...
Mentioned by
1 policy source
Citations
71 Scopus
Readers on
38 Mendeley
1 CiteULike
Tools
Open in a new tab
Download as JSON
SUMMARY
Policy documents
Citations
So far, Altmetric has seen 1 policy document that references this research output.
Opinion on BPA
European Food Safety Authority
The European Food Safety Authority (EFSA) is an independent European agency which provides scientific advice on existing and emerging risks, as part of European Union (EU) risk assessments regarding food and feed safety.

Altmetric Explorer | My workspaces | Explore the data | Explore my institution | Help | Logged in as schnabl@chem.ethz.ch

About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- **19** news outlets
- **3** blogs
- **12** tweeters
- **1** Wikipedia page

Citations

- **4** Scopus

Readers on

- **55** Mendeley

Tools

- Open in a new tab
- Download as JSON

SUMMARY | News | Blogs | Twitter | Wikipedia | Misc. | Citations

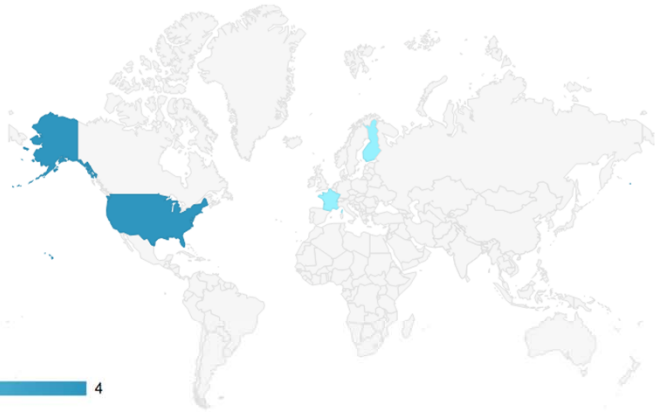
Title	Efficient and Inexpensive Sodium–Magnesium Hybrid Battery
Published in	Chemistry of Materials, October 2015
DOI	10.1021/acs.chemmater.5b03531
Authors	Marc Walter, Kostiantyn V. Kravchyk, Maria Ibáñez, Maksym V. Kovalenko

View on publisher site

Alert me about new mentions

TWITTER DEMOGRAPHICS | MENDELEY READERS | ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of **12** tweeters who shared this research output. Click here to find out more about how the information was compiled.



1 — 4

Geographical breakdown

Country	Count	As %
United States	4	33%
Finland	1	8%
France	1	8%
Unknown	6	50%

Demographic breakdown

Type	Count	As %
Members of the public	6	50%
Scientists	4	33%
Science communicators (journalists, bloggers, editors)	2	17%

About this score

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- **1** Wikipedia page

Readers on

- **37** Mendeley

Tools

- Open in a new tab
- Download as JSON

SUMMARY | News | Blogs | Twitter | Wikipedia | Misc.

So far, Altmetric has seen **22** news stories from **19** outlets.

Super environmentally friendly: the "fool's gold battery"
Environmental Research Web, 24 Nov 2015
High-performance lithium ion batteries face a major problem: Lithium will eventually start to run out as batteries are deployed...

Die «Katzengold-Batterie»
Chemie.de, 17 Nov 2015
Empa Pyrit-Nanokristalle im Elektronenmikroskop: Aus solchen Kristallen besteht die Kathode der «Katzengold-Batterie...

Umweltfreundliche Akkus aus Katzengold
Scinexx, 16 Nov 2015
Pyrit-Nanokristalle ermöglichen leistungsfähige und kostengünstige Strom-Zwischenspeicher Von wegen wertlos: Nanokristalle aus...

Super umweltfreundlich: die «Katzengold-Batterie»
Innovations Report, 16 Nov 2015
16.11.2015 Hochleistungsfähige Lithium-Ionen-Batterien haben ein Problem: Das Lithium wird irgendwann knapp, weil immer mehr...

Fool gold battery developed as alternative to lithium ion
Big News Network, 13 Nov 2015
UPI Friday 13th November, 2015 ZURICH, Switzerland -- Lithium ion batteries power a wide range of electronics, including...

'Fool's gold battery' developed as alternative to lithium ion
UPI.com, 13 Nov 2015
ZURICH, Switzerland, Nov. 13 (UPI) -- Lithium ion batteries power a wide range of electronics, including electric cars.

Super environmentally friendly: the 'fool's gold battery'
Phys.org, 13 Nov 2015
Home Technology Energy

Super umweltfreundlich: die «Katzengold-Batterie»
AlphaGalileo, 13 Nov 2015
Hochleistungsfähige Lithium-Ionen-Batterien haben ein Problem: Das Lithium wird irgendwann knapp, weil immer mehr Elektroautos...

Super environmentally friendly: the "fool's gold battery"
AlphaGalileo, 13 Nov 2015
High-performance lithium ion batteries face a major problem: Lithium will eventually start to run out as batteries are deployed...

Super environmentally friendly: the "fool's gold battery"
Informationsdienst Wissenschaft, 13 Nov 2015
13:34 High-performance lithium ion batteries face a major problem: Lithium will eventually start to run out as batteries are...

Super umweltfreundlich: die «Katzengold-Batterie»
Informationsdienst Wissenschaft, 13 Nov 2015
13:29 Hochleistungsfähige Lithium-Ionen-Batterien haben ein Problem: Das Lithium wird irgendwann knapp, weil immer mehr...

New low-cost battery could help store renewable energy
Space Daily, 12 Nov 2015
Wind and solar energy projects are growing at a respectable clip. But storing electric power for days when the air is still or...

New low-cost battery could help store renewable energy
Solar Daily , 09 Nov 2015
New low-cost battery could help store renewable energy by Staff Writers Washington DC (SPX) Nov 09, 2015 Wind and solar energy

New low-cost battery to store renewable energy
Chennai Online , 06 Nov 2015
RECENT ARTICLES RECENT GALLERIES New York, Nov 5 (IANS) A new battery that uses low-cost materials like sodium and magnesium

About this score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

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- **3** blogs
- **12** tweeters
- **1** Wikipedia page

Readers on

- **37** Mendeley

Tools

Open in a new tab

SUMMARY | News | Blogs | Twitter | Wikipedia | Misc.

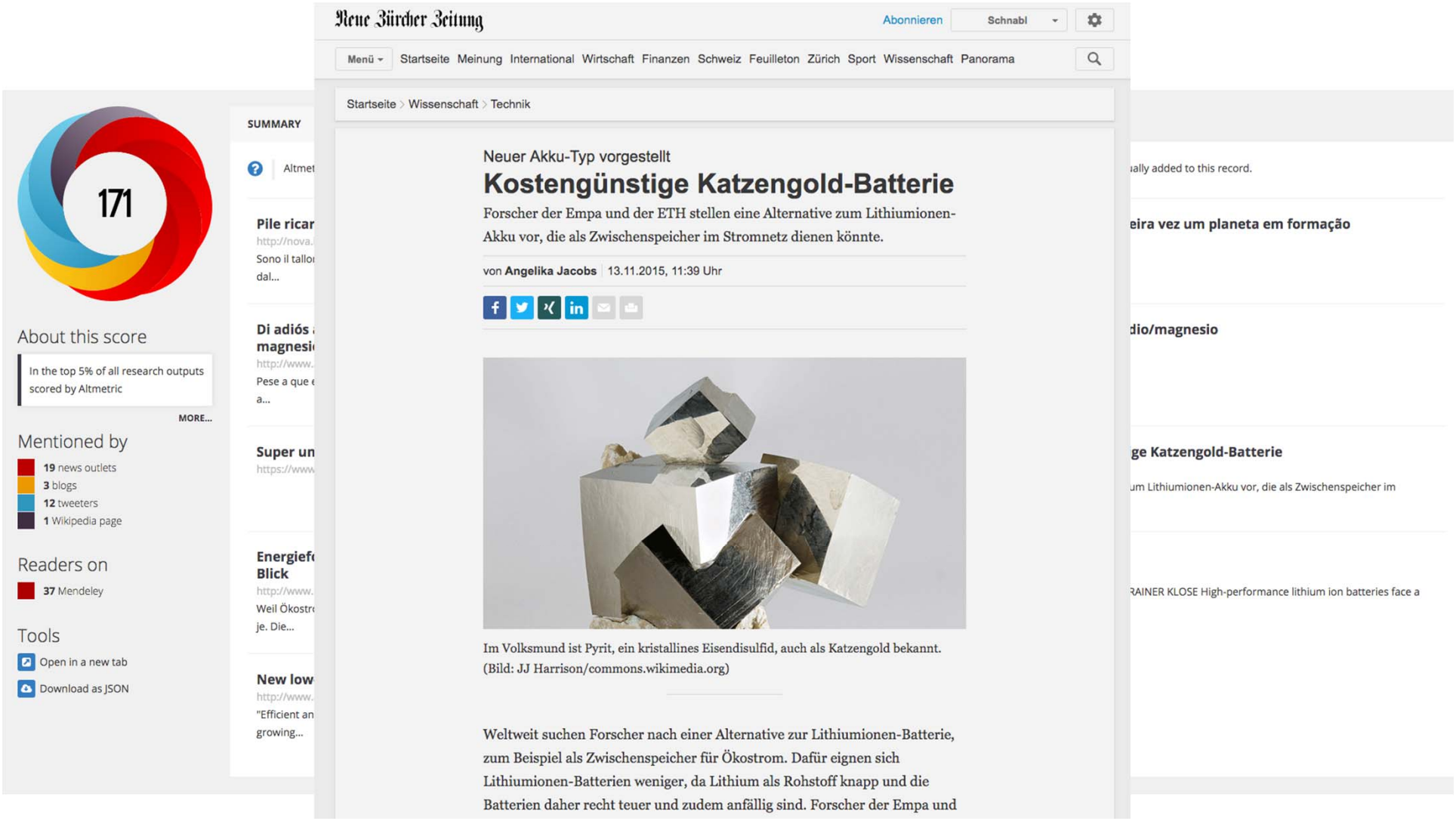
So far, Altmetric has seen **1** Wikipedia article.

ENGLISH

Magnesium-ion battery

Cited by user **Lfstevens** on **09 Feb 2016**

Magnesium-ion battery (Mg-ion battery) is a rechargeable battery technology. It uses (multivalent) magnesium (Mg) ions instead of lithium (Li) ions


171
About this score
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19 news outlets
3 blogs
12 tweeters
1 Wikipedia page
Readers on
37 Mendeley
Tools
Open in a new tab
Download as JSON
SUMMARY
Pile ricar
Di adiós
Super un
Energiefo
Blick
New low
Neue Zürcher Zeitung
Abonnieren
Schnabl
Menü
Startseite Meinung International Wirtschaft Finanzen Schweiz Feuilleton Zürich Sport Wissenschaft Panorama
Startseite > Wissenschaft > Technik
Neuer Akku-Typ vorgestellt
Kostengünstige Katzengold-Batterie
Forscher der Empa und der ETH stellen eine Alternative zum Lithiumionen-Akku vor, die als Zwischenspeicher im Stromnetz dienen könnte.
von Angelika Jacobs | 13.11.2015, 11:39 Uhr
Im Volksmund ist Pyrit, ein kristallines Eisendisulfid, auch als Katzengold bekannt. (Bild: JJ Harrison/commons.wikimedia.org)
Weltweit suchen Forscher nach einer Alternative zur Lithiumionen-Batterie, zum Beispiel als Zwischenspeicher für Ökostrom. Dafür eignen sich Lithiumionen-Batterien weniger, da Lithium als Rohstoff knapp und die Batterien daher recht teuer und zudem anfällig sind. Forscher der Empa und
eira vez um planeta em formação
dio/magnesio
ge Katzengold-Batterie
um Lithiumionen-Akku vor, die als Zwischenspeicher im
RAINER KLOSE High-performance lithium ion batteries face a


171
About this score
In the top 5% of all research outputs scored by Altmetric
MORE...
Mentioned by
19 news outlets
3 blogs
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Tools
Open in a new tab
Download as JSON
SUMMARY
Altmetric
Pile ricaric
http://nova.ilsc
Sono il tallone
dal...
Di adiós al
magnesio
http://www.au
Pese a que el f
a...
Super umv
https://www.n
Energiefor
Blick
http://www.bli
Weil Ökostrom
je. Die...
New low-c
http://www.ac
"Efficient and l
growing...
Blick
Zürich 10°
Suche
Anmelden
Home News Sport People Ratgeber Life Gesundheit Auto Star des Tages Video Erotik Services
Energieforschung
«Katzengold-Batterie» als umweltfreundlicher Massenspeicher
DÜBENDORF - ZH - Schweizer Forscher haben eine preisgünstige, umweltfreundliche Alternative zu Lithium-Ionen-Akkus entdeckt, die «Katzengold-Batterie». Damit liessen sich ihrer Ansicht nach riesige Speicherakkus zum Beispiel für Gebäude bauen.
0 SHARES
FEHLER MELDEN
Weil Ökostrom oft dann anfällt, wenn er nicht gebraucht wird, sind heute preisgünstige Energiespeicher gefragter denn je. Die bekannten Lithium-Ionen-Akkus eignen sich aber nicht als Zwischenspeicher im grossen Stil. Sie sind zu teuer, anfällig, und das wertvolle Lithium wird irgendwann knapp.
Forschern um Maksym Kovalenko von der Materialprüfungsanstalt Empa ist nun gelungen, was das Institut als «so etwas wie die Quadratur des Kreises» umschreibt: Sie entwickelten einen Akku, der aus billigen, massenhaft verfügbaren Zutaten besteht. Dazu kombinierten sie Natrium, Magnesium und
ABONNIERE DEN NEWSLETTER
Ihre E-Mail-Adresse
SENDEN
LIKE UNS AUF FACEBOOK
FOLGE UNS AUF TWITTER
FOLGE UNS AUF INSTAGRAM
TOP 3
ually added to this record.
eira vez um planeta em formação
dio/magnesio
ige Katzengold-Batterie
um Lithiumionen-Akku vor, die als Zwischenspeicher im
RAINER KLOSE High-performance lithium ion batteries face a

Altmetric Explorer summary report for:
Articles from Department of Chemistry and Applied Biosciences mentioned at least once in the past 1m

14	47	17
total articles	distinct mentions	score of all articles

Top articles

Score	*Article*
3	High-density micro-arrays for mass spectrometry Lab on a Chip - Miniaturisation for Chemistry & Biology
7	Miravirsen (SPC3649) can inhibit the biogenesis of miR-122 Nucleic Acids Research
789	BigBrain: An Ultrahigh-Resolution 3D Human Brain Model Science
2	Computer-assisted quantification of motile and invasive capabilities of cancer cells Scientific Reports
7	Nano-antidotes for drug overdose and poisoning Science Translational Medicine

Go to reports

Top journals

Total score	*Articles*	*Journal*
3	**1**	Lab on a Chip - Miniaturisation for Chemistry & Biology
3	**1**	Science
3	**1**	Nucleic Acids Research
1	**1**	Scientific Reports
1	**1**	Science Translational Medicine

Faculty
Our Research
Research Groups
Institutes & Laboratories
Scientific Facilities & Services
Research Strategy
Publications

Publications

Title | Author
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Science, 340, 1472-1475, 2013 DOI

A promoter-level mammalian expression atlas
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Angew. Chem. Int. Edit., 54, 462-470, 2015 DOI

Quantifying Protein-Ligand Binding Constants using Electrospray Ionization Mass Spectrometry: A Systematic Binding Affinity Study of a Series of Hydrophobically Modified Trypsin Inhibitors
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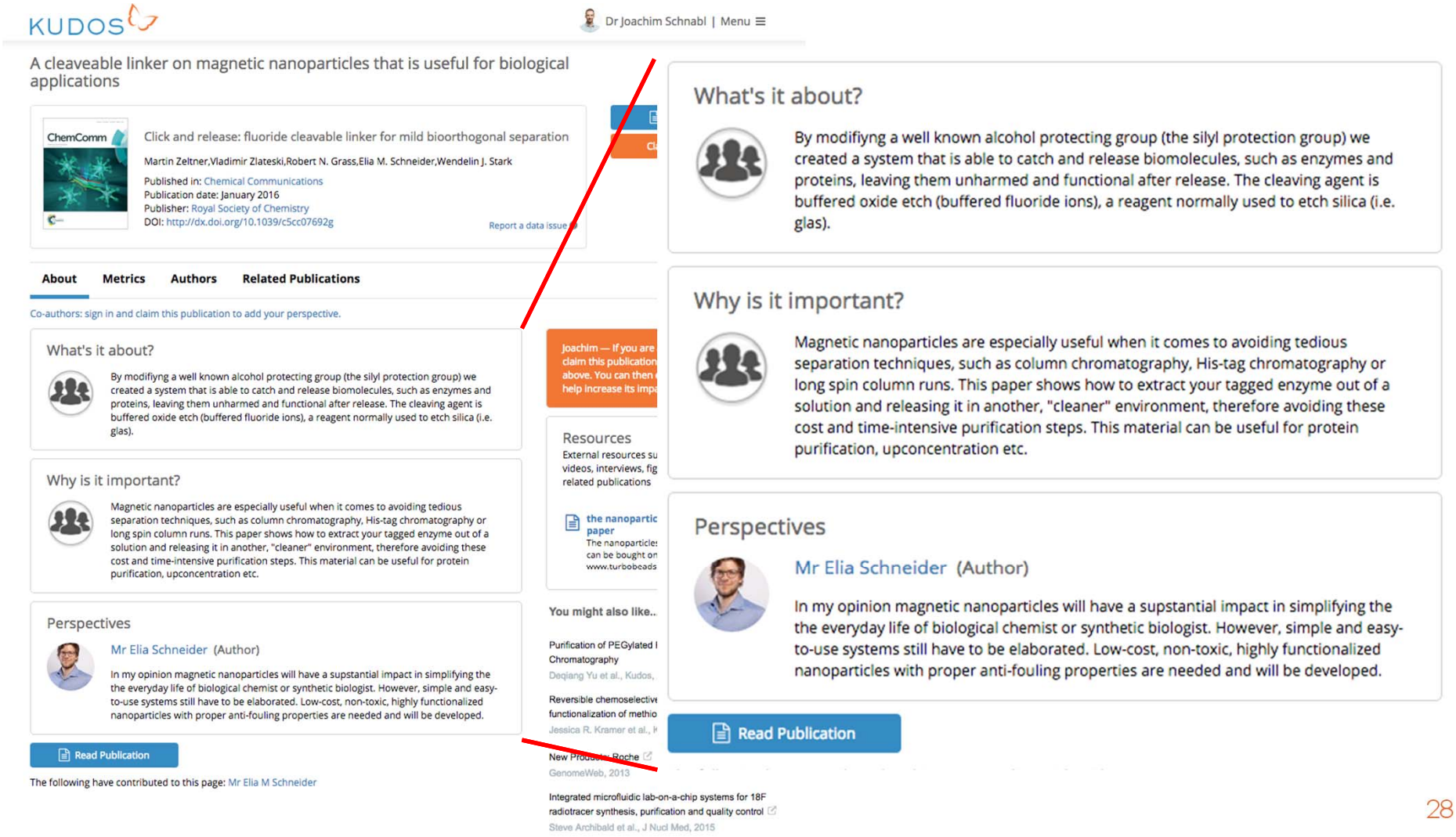
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A cleaveable linker on magnetic nanoparticles that is useful for biological applications
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Click and release: fluoride cleavable linker for mild bioorthogonal separation
Martin Zeltner,Vladimir Zlateski,Robert N. Grass,Elia M. Schneider,Wendelin J. Stark
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Publication date: January 2016
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By modifiyng a well known alcohol protecting group (the silyl protection group) we created a system that is able to catch and release biomolecules, such as enzymes and proteins, leaving them unharmed and functional after release. The cleaving agent is buffered oxide etch (buffered fluoride ions), a reagent normally used to etch silica (i.e. glas).
Why is it important?
Magnetic nanoparticles are especially useful when it comes to avoiding tedious separation techniques, such as column chromatography, His-tag chromatography or long spin column runs. This paper shows how to extract your tagged enzyme out of a solution and releasing it in another, "cleaner" environment, therefore avoiding these cost and time-intensive purification steps. This material can be useful for protein purification, upconcentration etc.
Perspectives
Mr Elia Schneider (Author)
In my opinion magnetic nanoparticles will have a supstantial impact in simplifying the the everyday life of biological chemist or synthetic biologist. However, simple and easy-to-use systems still have to be elaborated. Low-cost, non-toxic, highly functionalized nanoparticles with proper anti-fouling properties are needed and will be developed.
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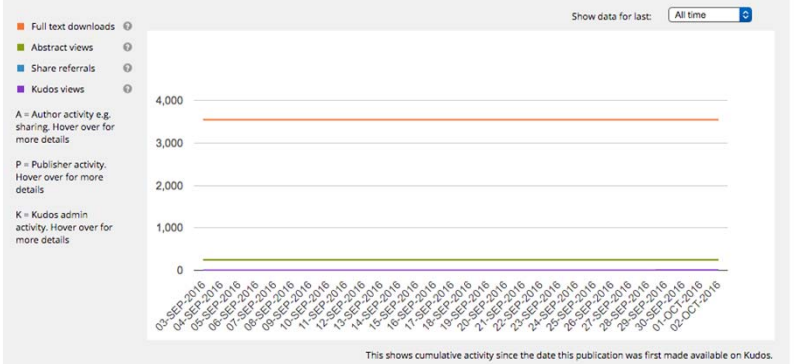

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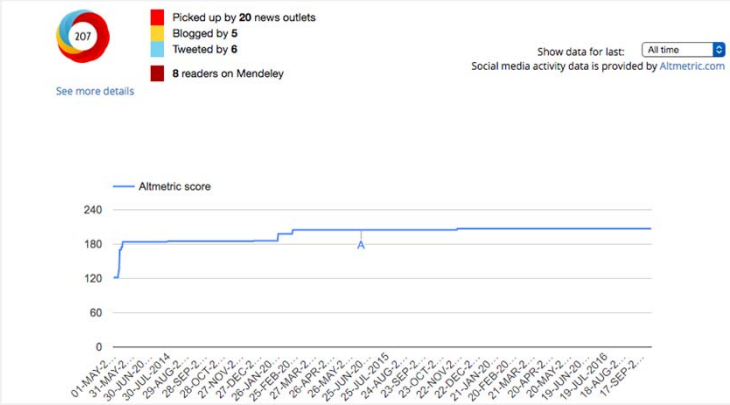

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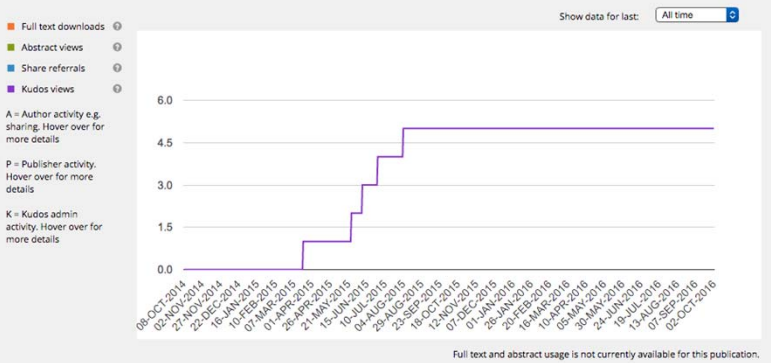

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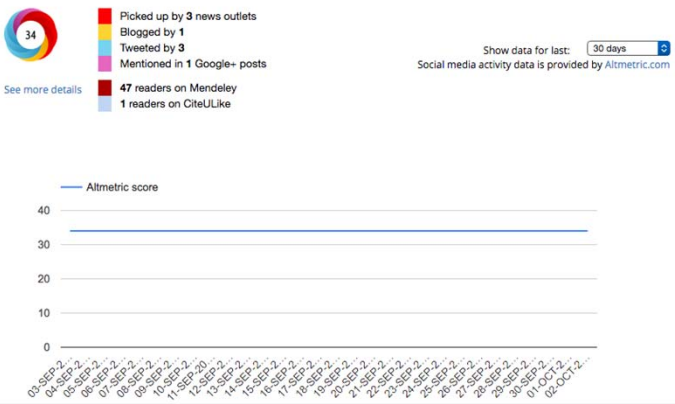

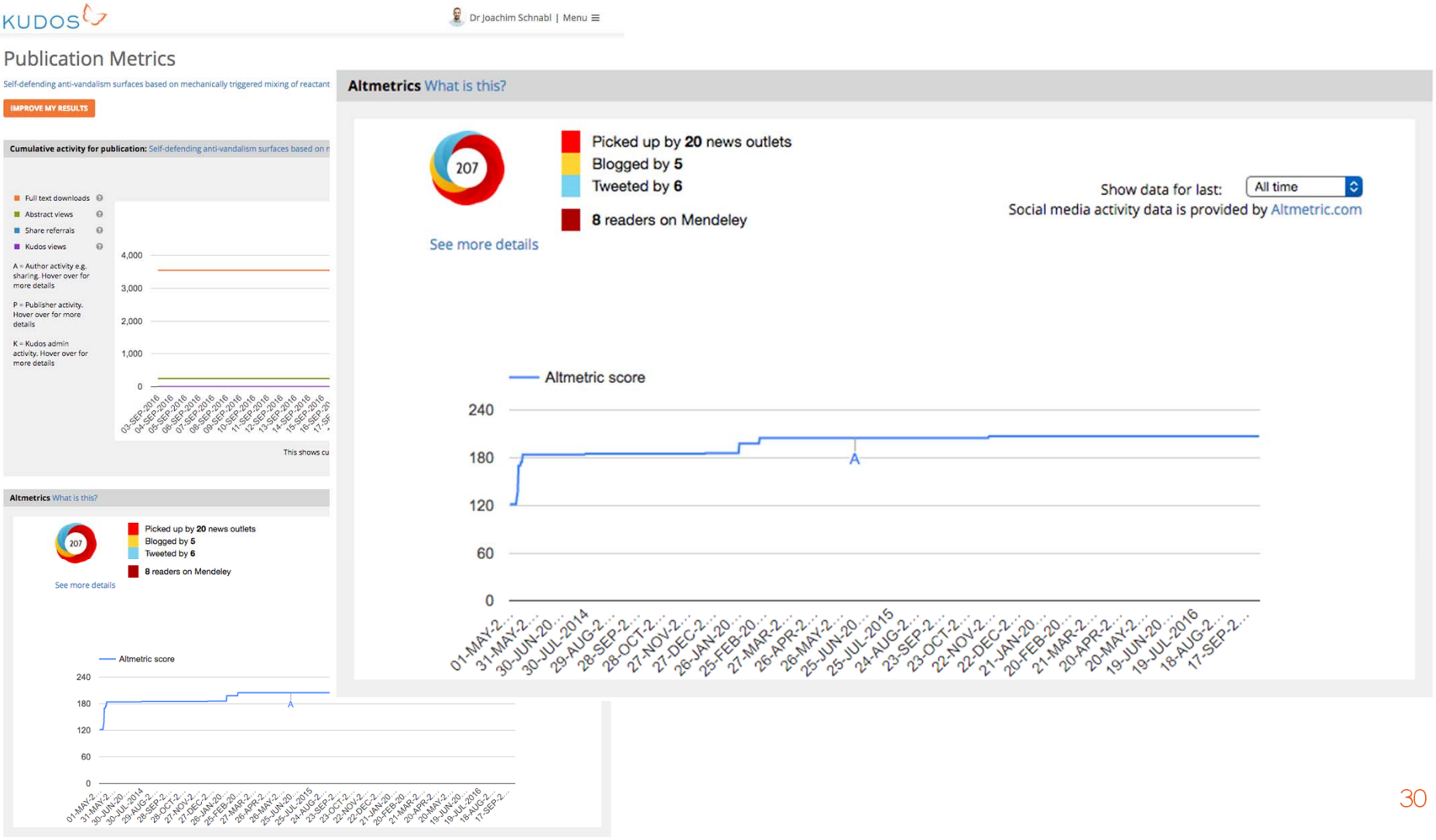
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