How to improve our research impact?

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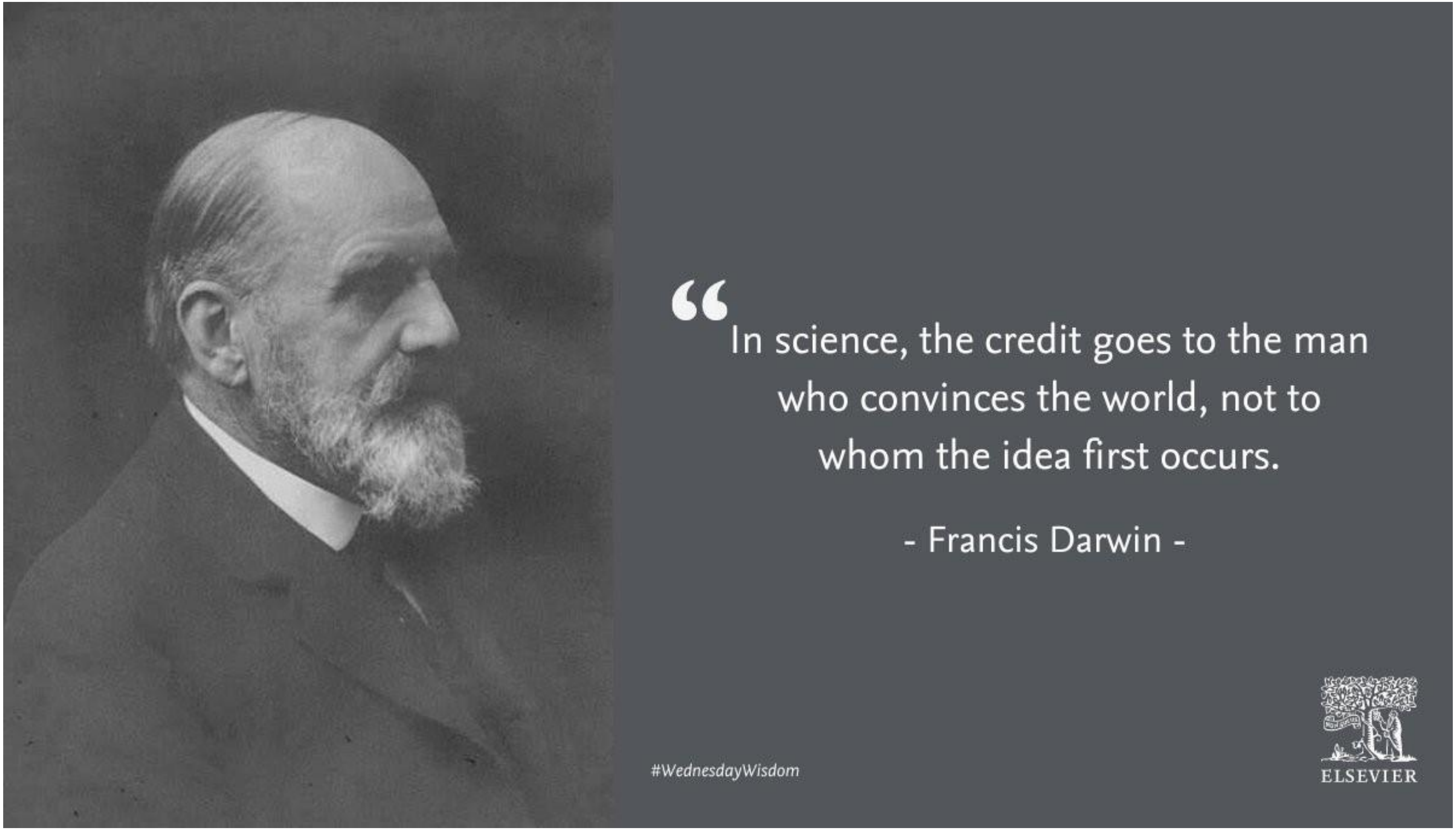
Tehran University of Medical Sciences

چگونه یک پژوهش اثربخش داشته باشیم؟

چگونه اثربخشی پژوهش خود را افزایش دهیم؟



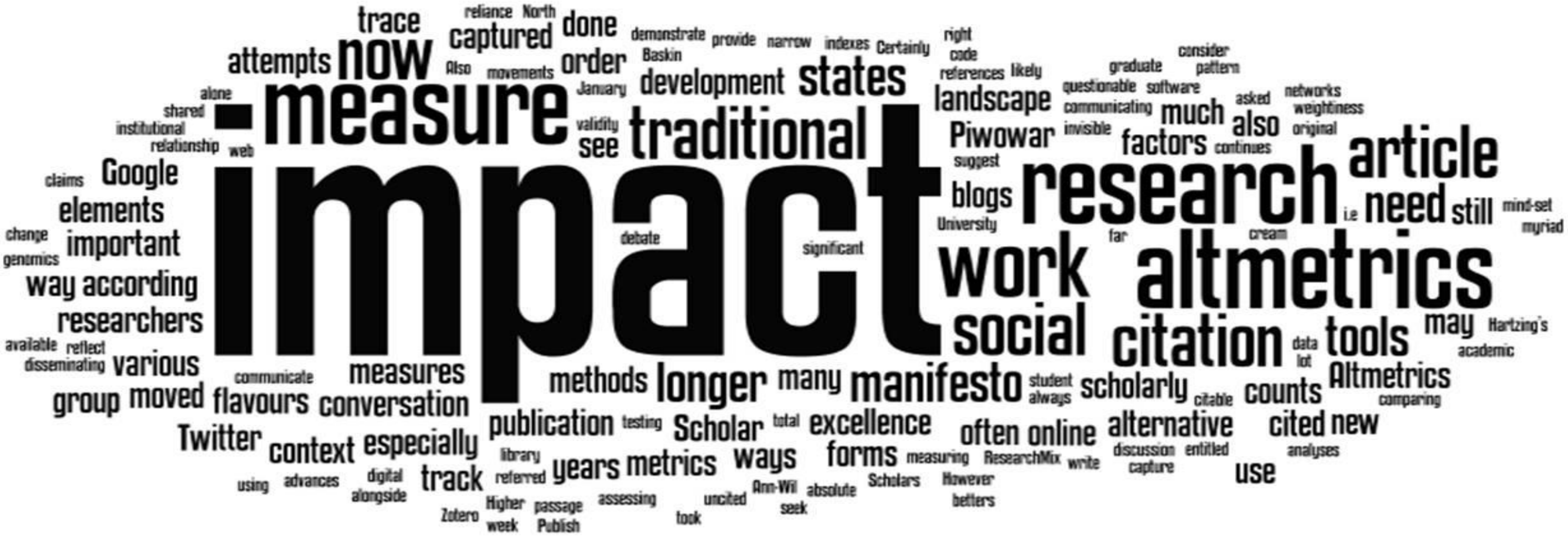
> “In science, the credit goes to the man who convinces the world, not to whom the idea first occurs.

- Francis Darwin -

#WednesdayWisdom

ELSEVIER

The Story of Impact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Todays Outline

- In this session, we will talk about:

1. What is Research Impact?
2. How is Research Impact measured?
3. What are the resources for assessing impact?
4. How to improve our research impact?
5. How can I demonstrate my research Impact?

پژوهش پاسخگو، نافع، کاربردی، هدفمند، مساله، محصول محور

ورود به سایت پژوهشکده آینده پژوهی در سلامت

Publish or Perish!

We will publish and you will PERISH!

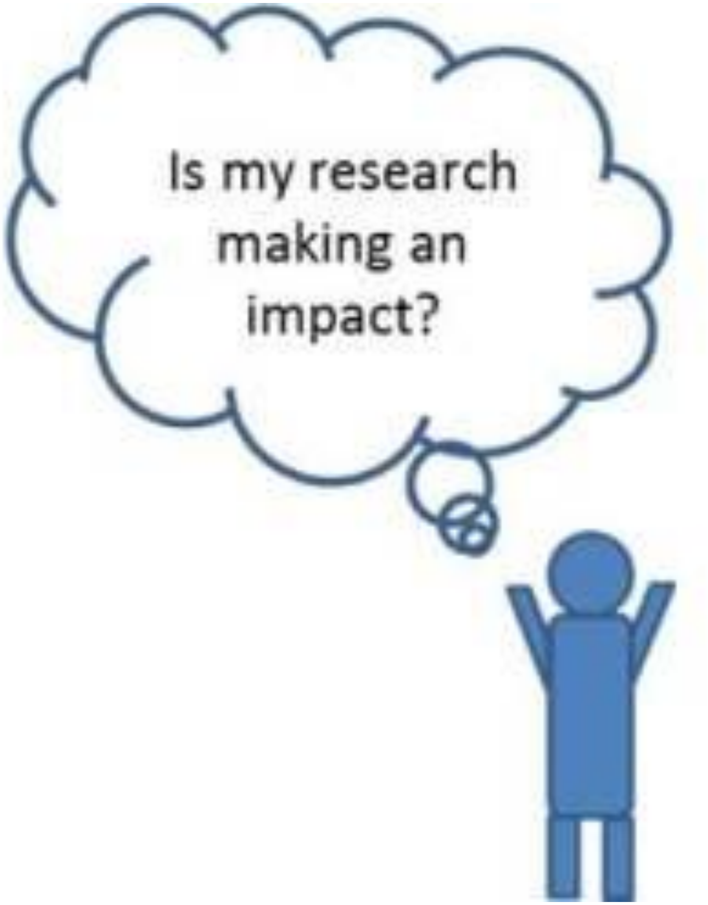
Substitute of old “**Publish or Perish”!**

Getting Found, Staying Found & Increasing Impact

Science Circle

- The circle of science from origination to usage consist of many steps as follows:

1- Doing Research
2- Research Publication (Paper)
3- Knowledge Dissemination
4- Knowledge Utilization & Application


Is my research making an impact?

What is Impact?

- The Oxford dictionary defines impact as “A Marked Effect or Influence.”
- So, Research Impact means that our research has affected or influenced something or someone.
- This arouse the following questions:
    - Whom has it impacted, who is the target audience?
    - How has it made an impact, what was its ultimate goal?
    - Through what means has this impact occurred, i.e., what are the primary outlets?
    - How do we know this impact has occurred, i.e., how can we measure it?

How Research Impact **Differs** By **Academic Role**?

Academic Role	*Whom?* Target Audience	*How?* Ultimate Goal	Through Which *Means?* Primary Outlets	How Do We *Know?* Measures
Research	Other academics	Progress scientific knowledge	Academic journals, Research Monographs, Conferences	Citations in academic journals / books / conference papers
Teaching	Students	Develop critical thinking skills	Textbooks, Practitioner journals	Citations in textbooks / syllabi
External Engagement	Industry, Government, Public and society	Address societal problems	Practitioner journals / magazines, Policy reports, (Social) Media, Collaborative projects	Citations in policy documents, policy / legal changes, improved HDI/SDG*

*HDI = United Nations Human Development Index ; SDG = United Nations Sustainable Development Goals

What is Research Impact?

- It is all the diverse ways that research benefits individuals, organizations and nations through increasing effectiveness of public services and policy, improving quality of life and health, or economic benefits.
- It may translate as benefit, payback, translation, transfer, uptake and utilization.
- The "Academic Impact", considered to be the research knowledge contribution to a field of study within academia, should be distinguished from "Non-academic Impact", which goes beyond academia.

What is Research Impact?

- **Research impact** is defined as how broadly scholarly research is being read, discussed, and used both inside and outside of the academy.

What is Research Impact?

- Research impact is the contribution that research makes to the economy, society, environment or culture, **beyond** the contribution to academic research.

(Australian Research Council)

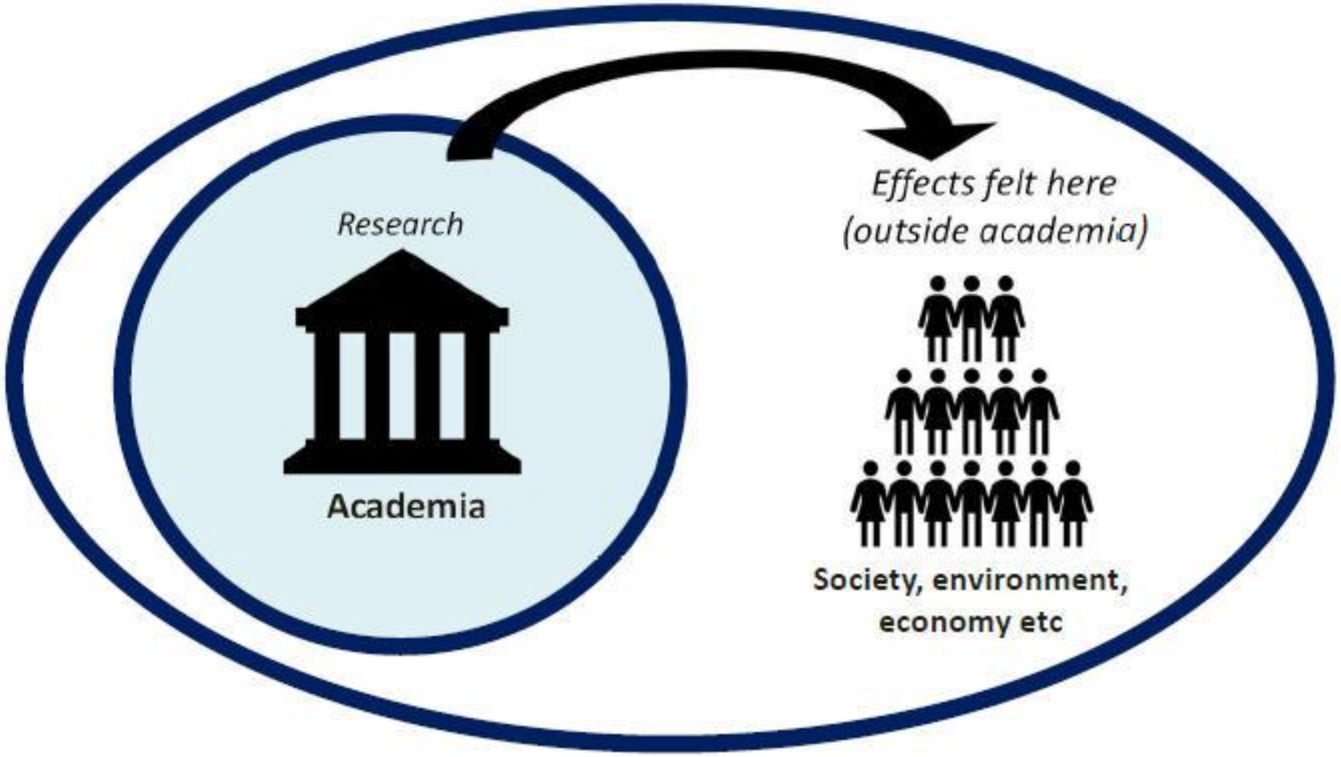
What is Research Impact?

- An effect on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life, **beyond academia.**

https://www.ukri.org/about-us/research-england/research-excellence/ref-impact/

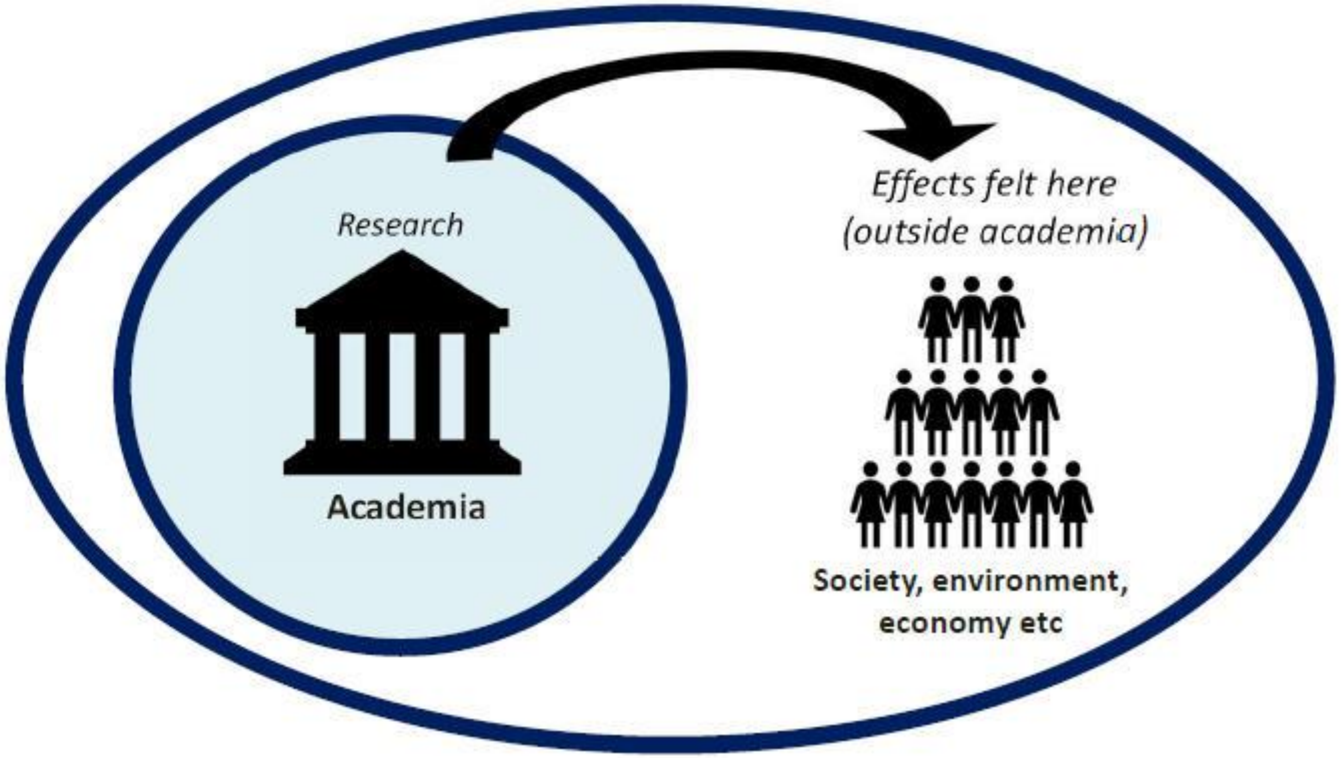
What is Research Impact?

- Any Real Effect of Research in Real World is called impact.


Research
Academia
Effects felt here
(outside academia)
Society, environment,
economy etc

What is Research Impact?

- Any provable Effect (Benefits) of Research in Real World is called impact.

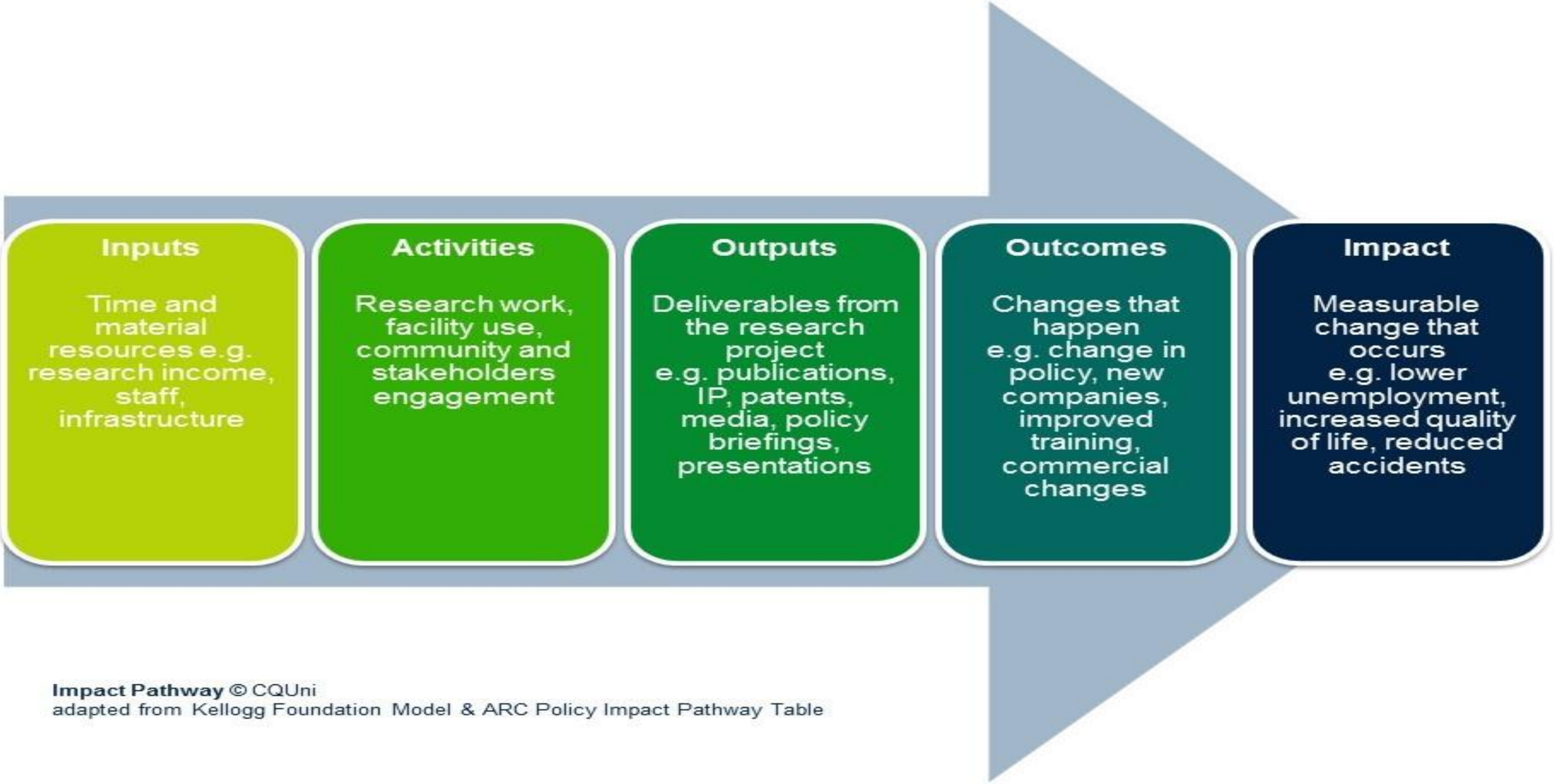

Research
Academia
Effects felt here
(outside academia)
Society, environment,
economy etc

Research Impact Application

- Research impact is taken into account when research groups are being evaluated formally, but also when your own your academic work or career is being evaluated for funding, promotion or appointments.

- Researchers use different strategies to improve their potential research impact in all phases of the publishing process.

Pathways to Research Impact and Engagement



Inputs

Time and material resources e.g. research income, staff, infrastructure

Activities

Research work, facility use, community and stakeholders engagement

Outputs

Deliverables from the research project e.g. publications, IP, patents, media, policy briefings, presentations

Outcomes

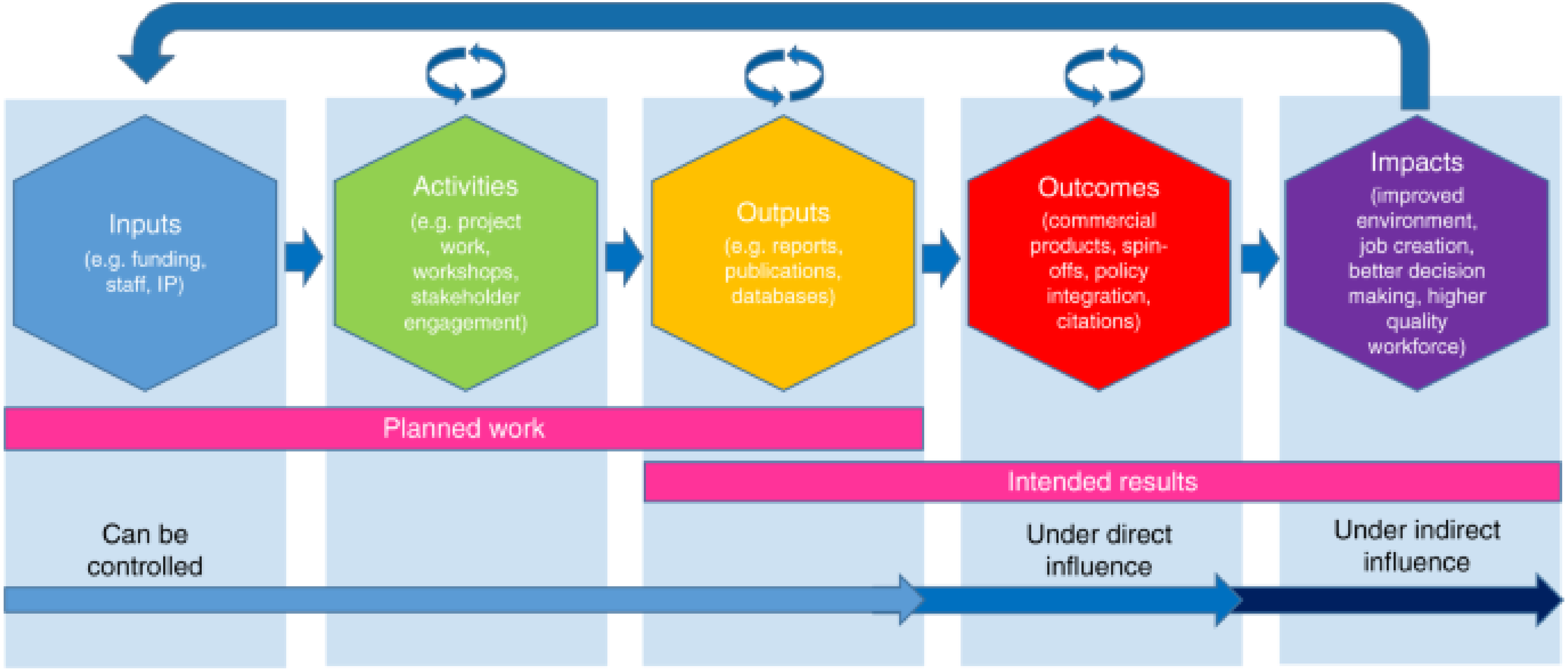
Changes that happen e.g. change in policy, new companies, improved training, commercial changes

Impact

Measurable change that occurs e.g. lower unemployment, increased quality of life, reduced accidents

Impact Pathway © CQUni
adapted from Kellogg Foundation Model & ARC Policy Impact Pathway Table

Research Impact Assessment



Inputs
(e.g. funding, staff, IP)

Activities
(e.g. project work, workshops, stakeholder engagement)

Outputs
(e.g. reports, publications, databases)

Outcomes
(commercial products, spin-offs, policy integration, citations)

Impacts
(improved environment, job creation, better decision making, higher quality workforce)

Planned work

Intended results

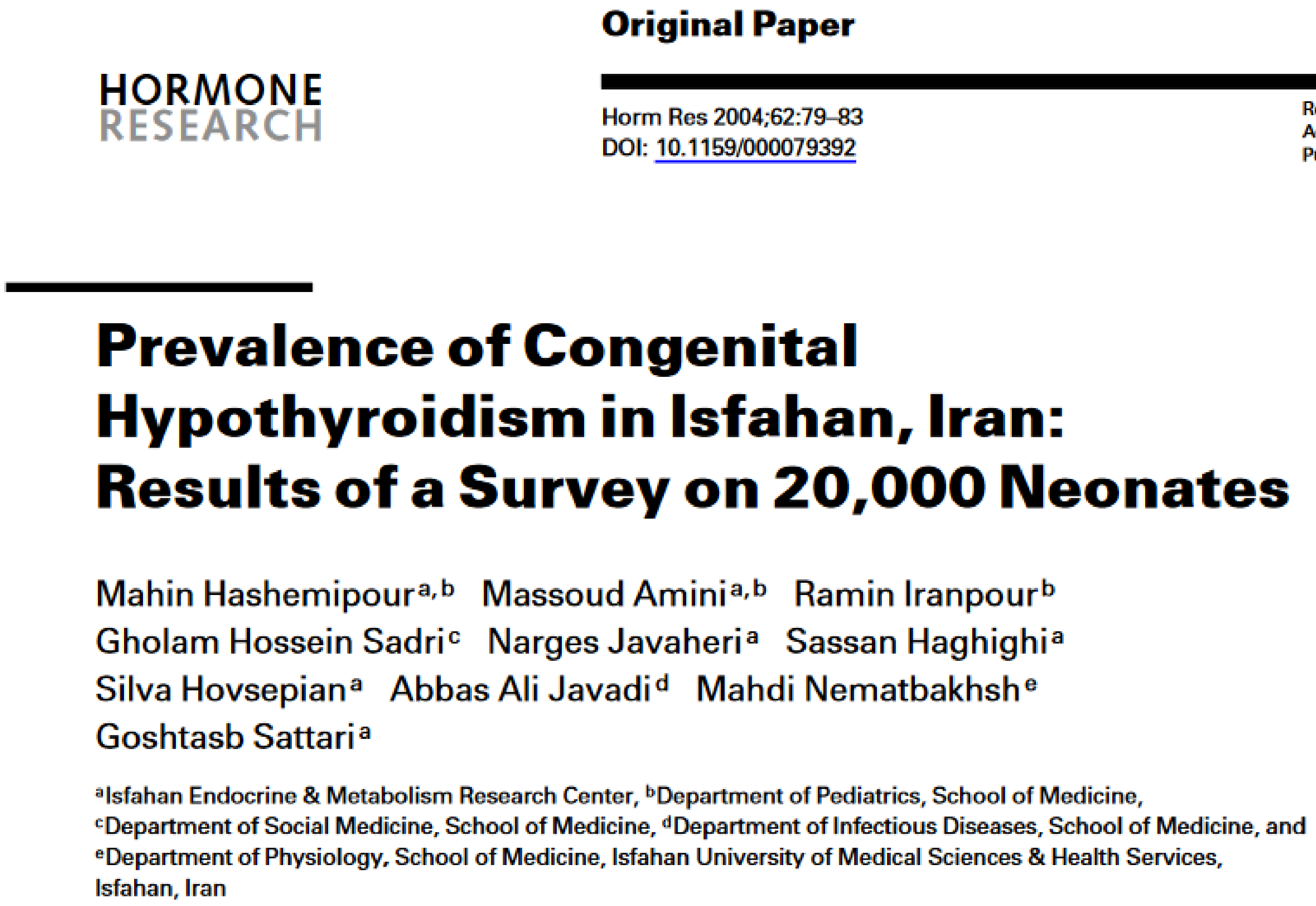
Can be controlled

Under direct influence

Under indirect influence

Fryirs, K.A., Brierley, G.J. & Dixon, T. Engaging with research impact assessment for an environmental science case study. *Nat Commun* 10, 4542 (2019). https://doi.org/10.1038/s41467-019-12020-z

A Real Case of Research Impact!



Original Paper

HORMONE
RESEARCH

Horm Res 2004;62:79–83
DOI: 10.1159/000079392

Received: September 27, 2003
Accepted: April 20, 2004
Published online: June 24, 2004

Prevalence of Congenital Hypothyroidism in Isfahan, Iran: Results of a Survey on 20,000 Neonates

Mahin Hashemipour[a,b] Massoud Amini[a,b] Ramin Iranpour[b]
Gholam Hossein Sadri[c] Narges Javaheri[a] Sassan Haghighi[a]
Silva Hovsepian[a] Abbas Ali Javadi[d] Mahdi Nematbakhsh[e]
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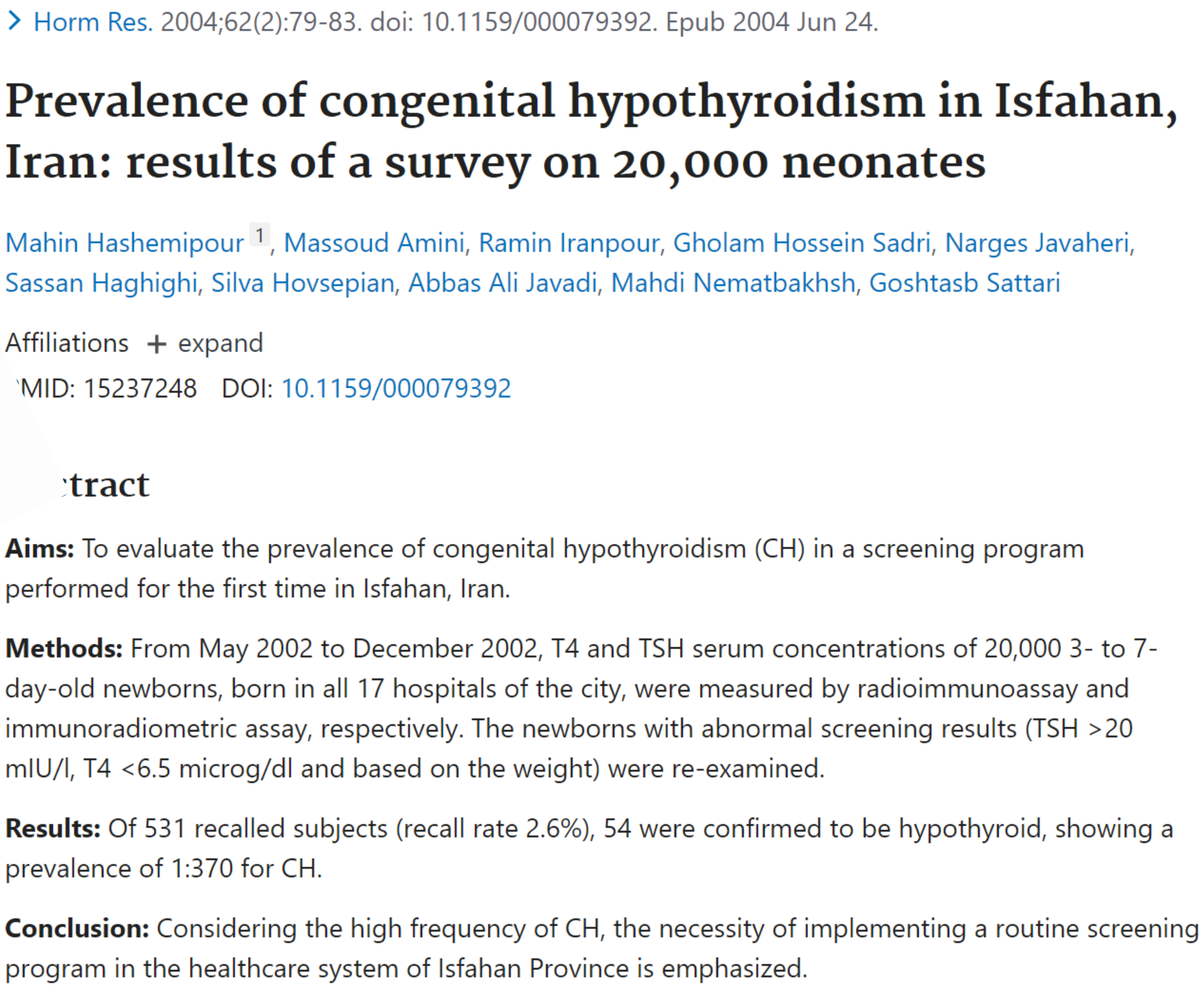
Isfahan, Iran

A Real Case of Research Impact!



Horm Res. 2004;62(2):79-83. doi: 10.1159/000079392. Epub 2004 Jun 24.

Prevalence of congenital hypothyroidism in Isfahan, Iran: results of a survey on 20,000 neonates

Mahin Hashemipour [1], Massoud Amini, Ramin Iranpour, Gholam Hossein Sadri, Narges Javaheri, Sassan Haghighi, Silva Hovsepian, Abbas Ali Javadi, Mahdi Nematbakhsh, Goshtasb Sattari

Affiliations + expand

MID: 15237248 DOI: 10.1159/000079392

tract

Aims: To evaluate the prevalence of congenital hypothyroidism (CH) in a screening program performed for the first time in Isfahan, Iran.

Methods: From May 2002 to December 2002, T4 and TSH serum concentrations of 20,000 3- to 7-day-old newborns, born in all 17 hospitals of the city, were measured by radioimmunoassay and immunoradiometric assay, respectively. The newborns with abnormal screening results (TSH >20 mIU/l, T4 <6.5 microg/dl and based on the weight) were re-examined.

Results: Of 531 recalled subjects (recall rate 2.6%), 54 were confirmed to be hypothyroid, showing a prevalence of 1:370 for CH.

Conclusion: Considering the high frequency of CH, the necessity of implementing a routine screening program in the healthcare system of Isfahan Province is emphasized.

به نام خالق هستی

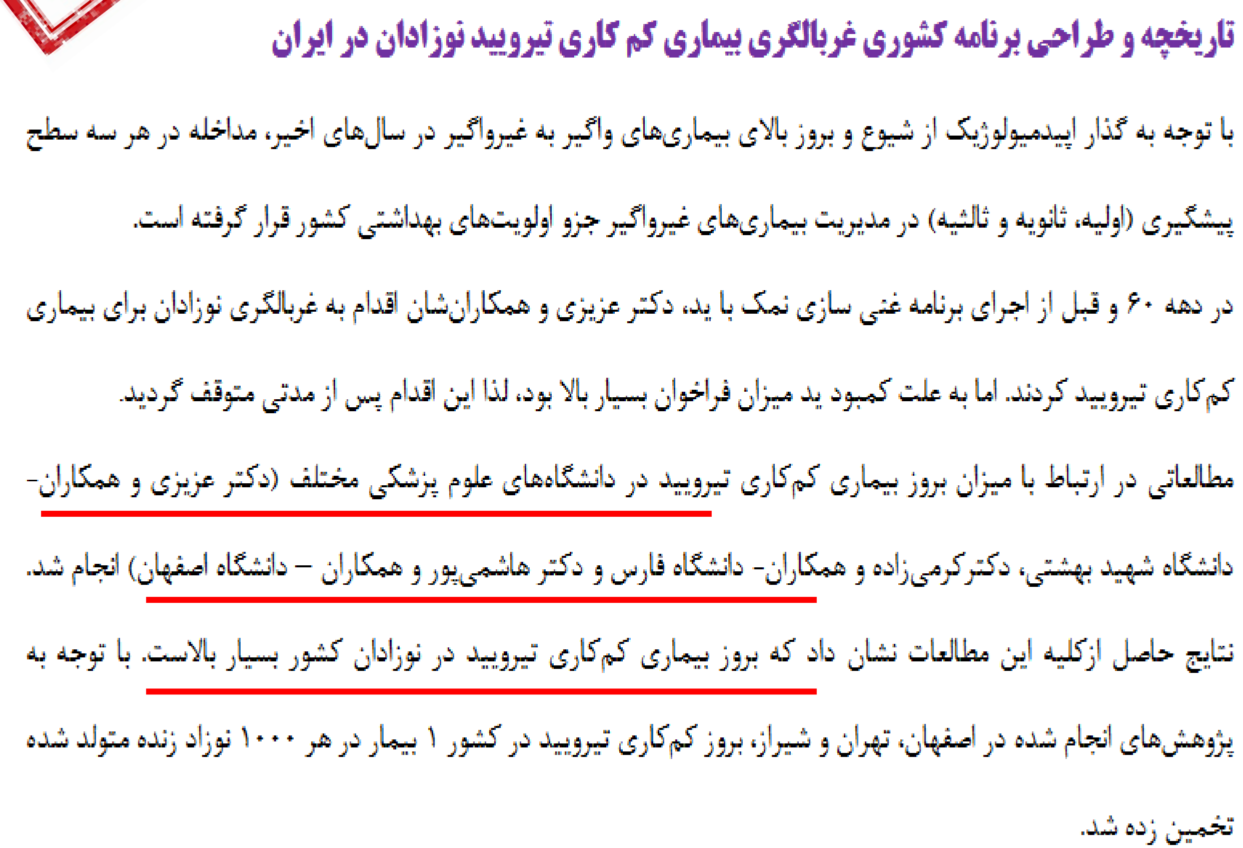
غربالگری کشوری نوزادان
وزارت بهداشت، درمان و آموزش پزشکی

برنامه کشوری غربالگری بیماری کم‌کاری تیرویید نوزادان

دستورالعمل ویژه کارشناس

نویسندگان:
دکتر شهین یاراحمدی
دکتر نسرین آژنگ

زیر نظر:
دکتر علیرضا مصداقی‌نیا
دکتر کورش اعتماد
دکتر سید محمد علوی‌نیا



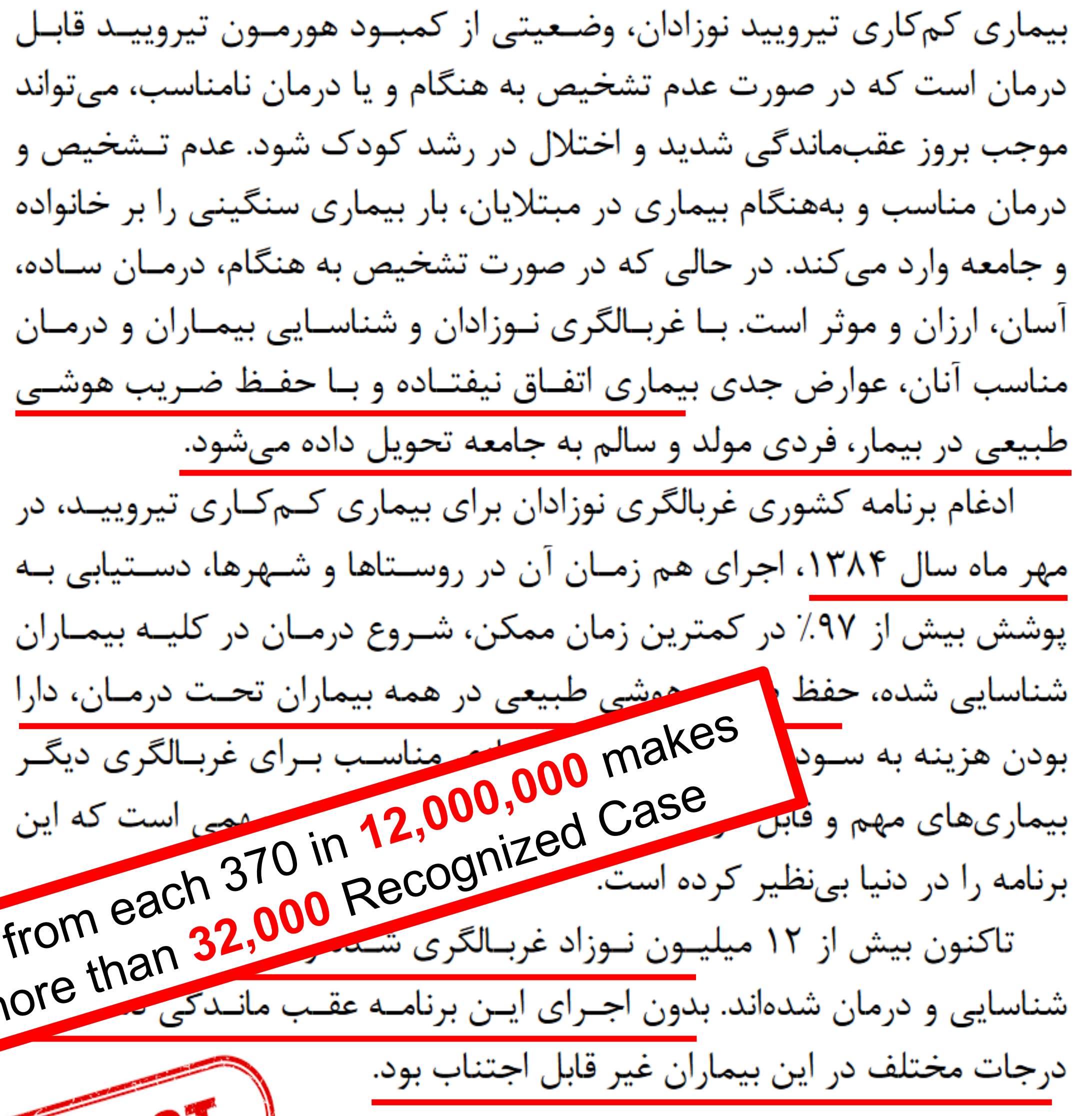
OUTCOME

تاریخچه و طراحی برنامه کشوری غربالگری بیماری کم کاری تیرویید نوزادان در ایران

با توجه به گذار اپیدمیولوژیک از شیوع و بروز بالای بیماری‌های واگیر به غیرواگیر در سال‌های اخیر، مداخله در هر سه سطح پیشگیری (اولیه، ثانویه و ثالثیه) در مدیریت بیماری‌های غیرواگیر جزو اولویت‌های بهداشتی کشور قرار گرفته است.

در دهه ۶۰ و قبل از اجرای برنامه غنی سازی نمک با ید، دکتر عزیزی و همکاران‌شان اقدام به غربالگری نوزادان برای بیماری کم‌کاری تیرویید کردند. اما به علت کمبود ید میزان فراخوان بسیار بالا بود، لذا این اقدام پس از مدتی متوقف گردید.

مطالعاتی در ارتباط با میزان بروز بیماری کم‌کاری تیرویید در دانشگاه‌های علوم پزشکی مختلف (دکتر عزیزی و همکاران- دانشگاه شهید بهشتی، دکترکرمی‌زاده و همکاران- دانشگاه فارس و دکتر هاشمی‌پور و همکاران – دانشگاه اصفهان) انجام شد. نتایج حاصل ازکلیه این مطالعات نشان داد که بروز بیماری کم‌کاری تیرویید در نوزادان کشور بسیار بالاست. با توجه به پژوهش‌های انجام شده در اصفهان، تهران و شیراز، بروز کم‌کاری تیرویید در کشور ۱ بیمار در هر ۱۰۰۰ نوزاد زنده متولد شده تخمین زده شد.



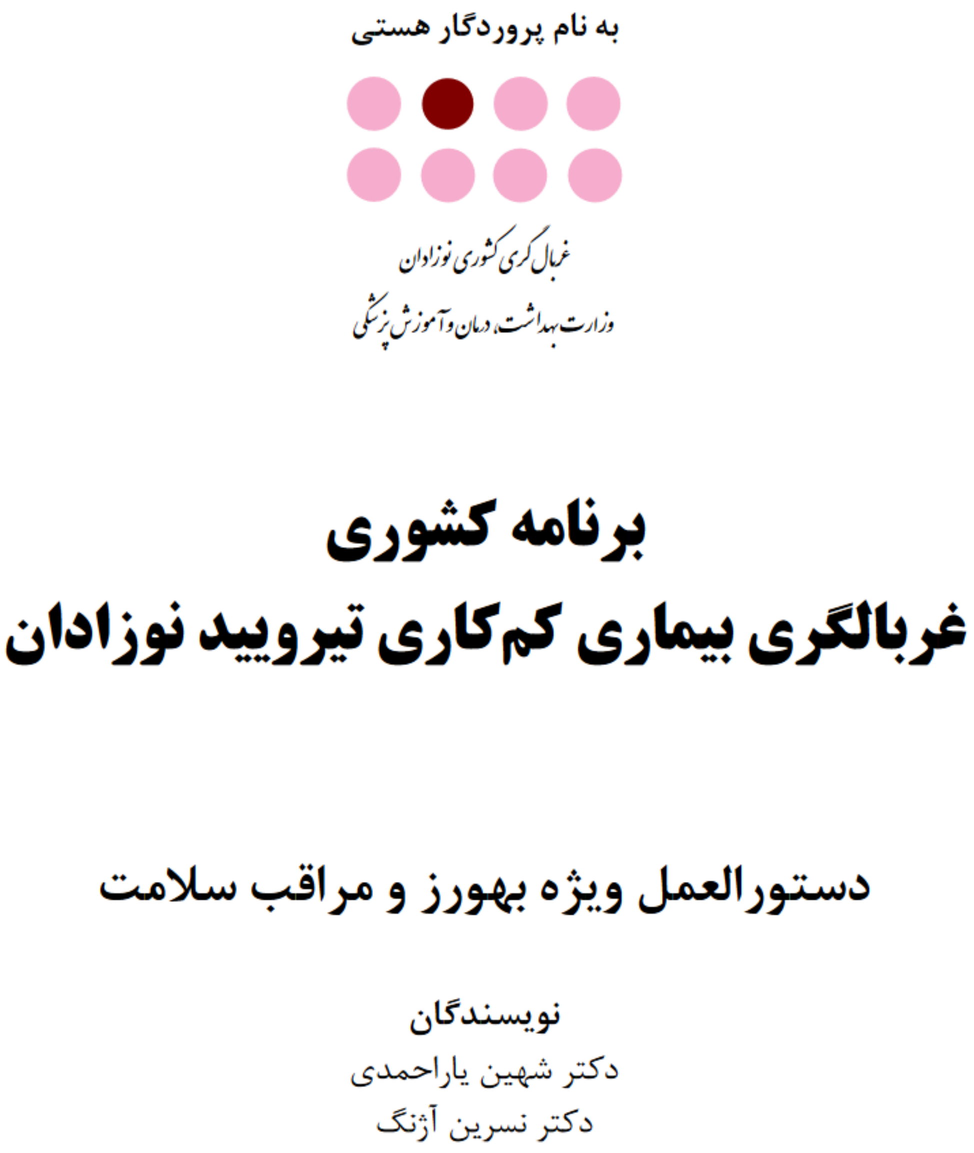
بیماری کم‌کاری تیرویید نوزادان، وضعیتی از کمبود هورمون تیرویید قابل درمان است که در صورت عدم تشخیص به هنگام و یا درمان نامناسب، می‌تواند موجب بروز عقب‌ماندگی شدید و اختلال در رشد کودک شود. عدم تشخیص و درمان مناسب و به‌هنگام بیماری در مبتلایان، بار بیماری سنگینی را بر خانواده و جامعه وارد می‌کند. در حالی که در صورت تشخیص به هنگام، درمان ساده، آسان، ارزان و موثر است. با غربالگری نوزادان و شناسایی بیماران و درمان مناسب آنان، عوارض جدی بیماری اتفاق نیفتاده و با حفظ ضریب هوشی طبیعی در بیمار، فردی مولد و سالم به جامعه تحویل داده می‌شود.

ادغام برنامه کشوری غربالگری نوزادان برای بیماری کم‌کاری تیرویید، در مهر ماه سال ۱۳۸۴، اجرای هم زمان آن در روستاها و شهرها، دستیابی به پوشش بیش از ۹۷٪ در کمترین زمان ممکن، شروع درمان در کلیه بیماران شناسایی شده، حفظ [illegible] هوشی طبیعی در همه بیماران تحت درمان، دارا بودن هزینه به سود [illegible] مناسب برای غربالگری دیگر بیماری‌های مهم و قابل [illegible] است که این برنامه را در دنیا بی‌نظیر کرده است.

تاکنون بیش از ۱۲ میلیون نوزاد غربالگری شده [illegible] شناسایی و درمان شده‌اند. بدون اجرای این برنامه عقب ماندگی [illegible] درجات مختلف در این بیماران غیر قابل اجتناب بود.

One from each 370 in **12,000,000** makes more than **32,000** Recognized Case

IMPACT



به نام پروردگار هستی

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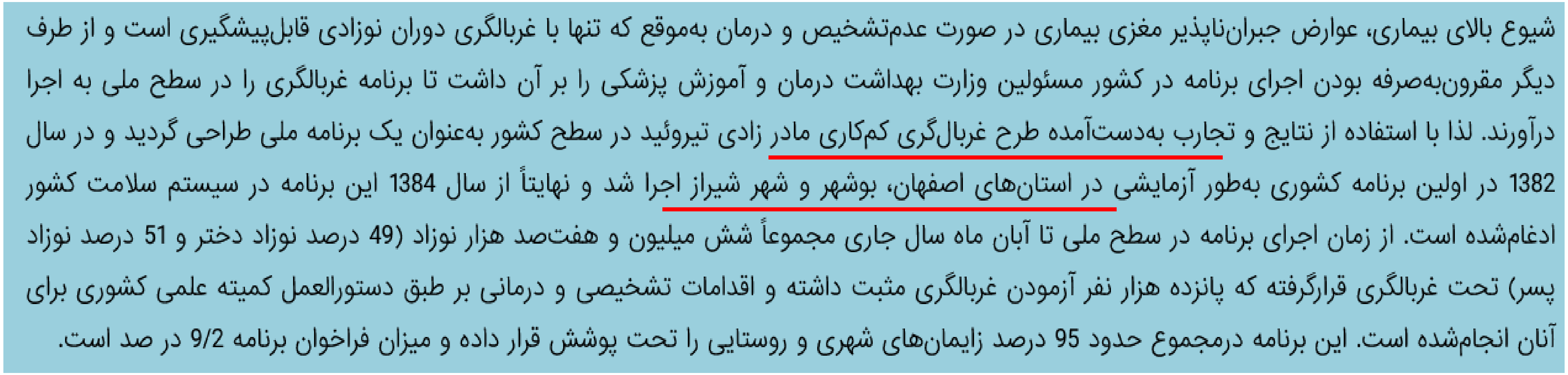
وزارت بهداشت، درمان و آموزش پزشکی

برنامه کشوری
غربالگری بیماری کم‌کاری تیرویید نوزادان

دستورالعمل ویژه بهورز و مراقب سلامت

نویسندگان
دکتر شهین یاراحمدی
دکتر نسرین آژنگ

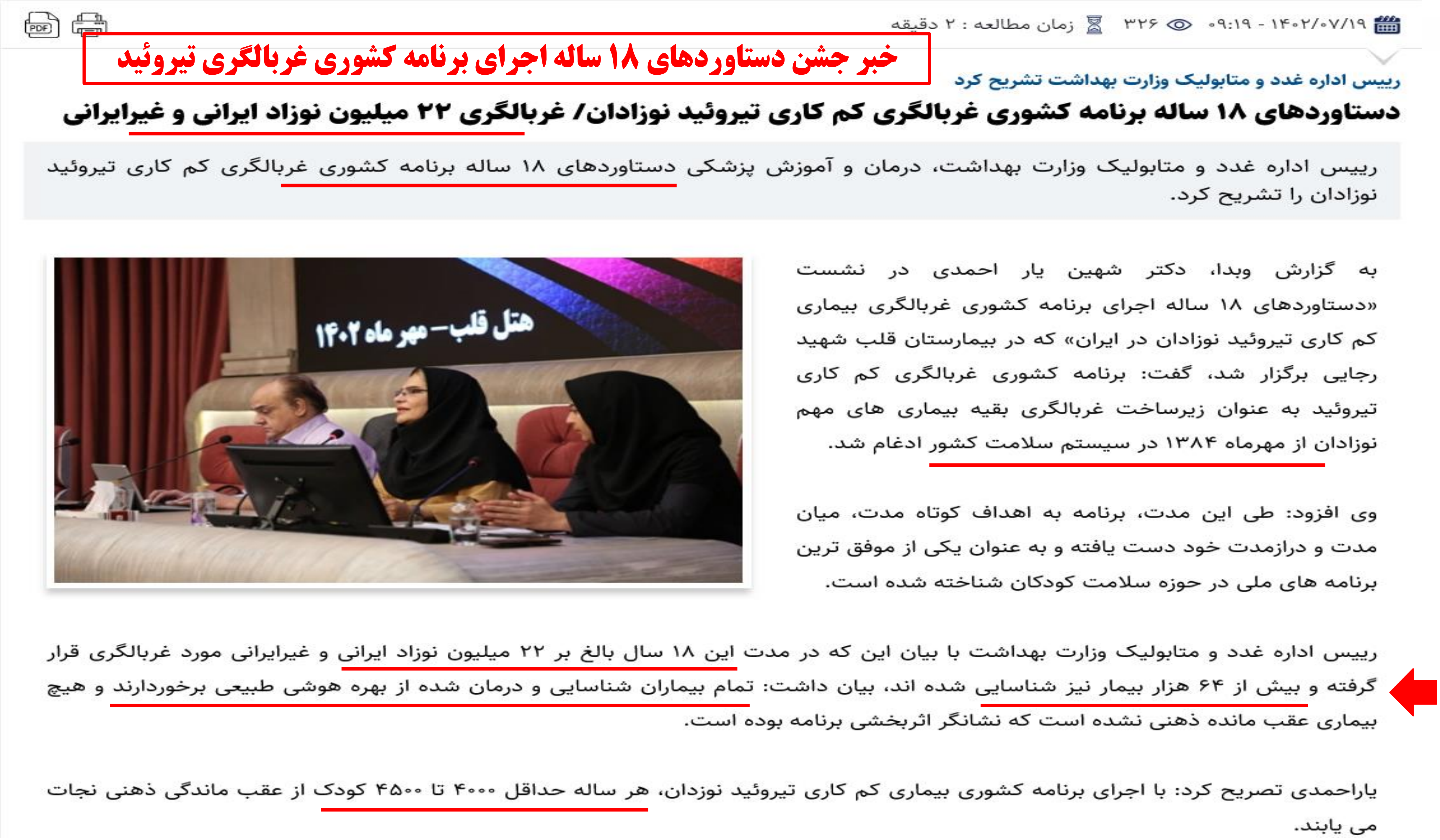
A Real Case of Research Impact!



شیوع بالای بیماری، عوارض جبران‌ناپذیر مغزی بیماری در صورت عدم‌تشخیص و درمان به‌موقع که تنها با غربالگری دوران نوزادی قابل‌پیشگیری است و از طرف دیگر مقرون‌به‌صرفه بودن اجرای برنامه در کشور مسئولین وزارت بهداشت درمان و آموزش پزشکی را بر آن داشت تا برنامه غربالگری را در سطح ملی به اجرا درآورند. لذا با استفاده از نتایج و تجارب به‌دست‌آمده طرح غربال‌گری کم‌کاری مادر زادی تیروئید در سطح کشور به‌عنوان یک برنامه ملی طراحی گردید و در سال 1382 در اولین برنامه کشوری به‌طور آزمایشی در استان‌های اصفهان، بوشهر و شهر شیراز اجرا شد و نهایتاً از سال 1384 این برنامه در سیستم سلامت کشور ادغام‌شده است. از زمان اجرای برنامه در سطح ملی تا آبان ماه سال جاری مجموعاً شش میلیون و هفت‌صد هزار نوزاد (49 درصد نوزاد دختر و 51 درصد نوزاد پسر) تحت غربالگری قرارگرفته که پانزده هزار نفر آزمودن غربالگری مثبت داشته و اقدامات تشخیصی و درمانی بر طبق دستورالعمل کمیته علمی کشوری برای آنان انجام‌شده است. این برنامه درمجموع حدود 95 درصد زایمان‌های شهری و روستایی را تحت پوشش قرار داده و میزان فراخوان برنامه 9/2 در صد است.

https://endocrine.ac.ir/article

خبر جشن دستاوردهای ۱۸ ساله اجرای برنامه کشوری غربالگری تیروئید



۱۴۰۲/۰۷/۱۹ - ۰۹:۱۹ ۳۲۶ زمان مطالعه : ۲ دقیقه

رییس اداره غدد و متابولیک وزارت بهداشت تشریح کرد

دستاوردهای ۱۸ ساله برنامه کشوری غربالگری کم کاری تیروئید نوزادان/ غربالگری ۲۲ میلیون نوزاد ایرانی و غیرایرانی

رییس اداره غدد و متابولیک وزارت بهداشت، درمان و آموزش پزشکی دستاوردهای ۱۸ ساله برنامه کشوری غربالگری کم کاری تیروئید نوزادان را تشریح کرد.

به گزارش وبدا، دکتر شهین یار احمدی در نشست «دستاوردهای ۱۸ ساله اجرای برنامه کشوری غربالگری بیماری کم کاری تیروئید نوزادان در ایران» که در بیمارستان قلب شهید رجایی برگزار شد، گفت: برنامه کشوری غربالگری کم کاری تیروئید به عنوان زیرساخت غربالگری بقیه بیماری های مهم نوزادان از مهرماه ۱۳۸۴ در سیستم سلامت کشور ادغام شد.

وی افزود: طی این مدت، برنامه به اهداف کوتاه مدت، میان مدت و درازمدت خود دست یافته و به عنوان یکی از موفق ترین برنامه های ملی در حوزه سلامت کودکان شناخته شده است.

رییس اداره غدد و متابولیک وزارت بهداشت با بیان این که در مدت این ۱۸ سال بالغ بر ۲۲ میلیون نوزاد ایرانی و غیرایرانی مورد غربالگری قرار گرفته و بیش از ۶۴ هزار بیمار نیز شناسایی شده اند، بیان داشت: تمام بیماران شناسایی و درمان شده از بهره هوشی طبیعی برخوردارند و هیچ بیماری عقب مانده ذهنی نشده است که نشانگر اثربخشی برنامه بوده است.

یاراحمدی تصریح کرد: با اجرای برنامه کشوری بیماری کم کاری تیروئید نوزدان، هر ساله حداقل ۴۰۰۰ تا ۴۵۰۰ کودک از عقب ماندگی ذهنی نجات می یابند.

وی خاطرنشان کرد: در تمام روستاها و شهرهای کشور نوزادان از دریافت خدمت برخوردارند و پوشش برنامه در هیچ زمانی حتی در همه گیری کرونا دچار وقفه نشد. علاوه بر نوزادان ایرانی، نوزادان غیرایرانی نیز غربالگری شده و در صورت بیمار بودن تحت مراقبت قرار می گیرند.

رییس اداره غدد و متابولیک وزارت بهداشت با بیان این که کم کاری تیروئید در ۴.۳ نوزاد ایرانی از هر ۱۰۰۰ تولد وجود داشته و یک بیمار در هر ۲۲۱ نوزاد غربالگری شده است، گفت: بیماری کم کاری تیروئید در همه نقاط دنیا بروز می کند و روند افزایشی داشته است.

وی اضافه کرد: بروز این بیماری در ایران ۴ تا ۸ برابر میزان جهانی است در عین حال ۵۰ درصد از موارد ابتلا در نوزادان گذراست. اگرچه هر دو نوع دائم و گذاری این بیماری برای مصونیت از عوارض جدی، نیاز به درمان دارند.

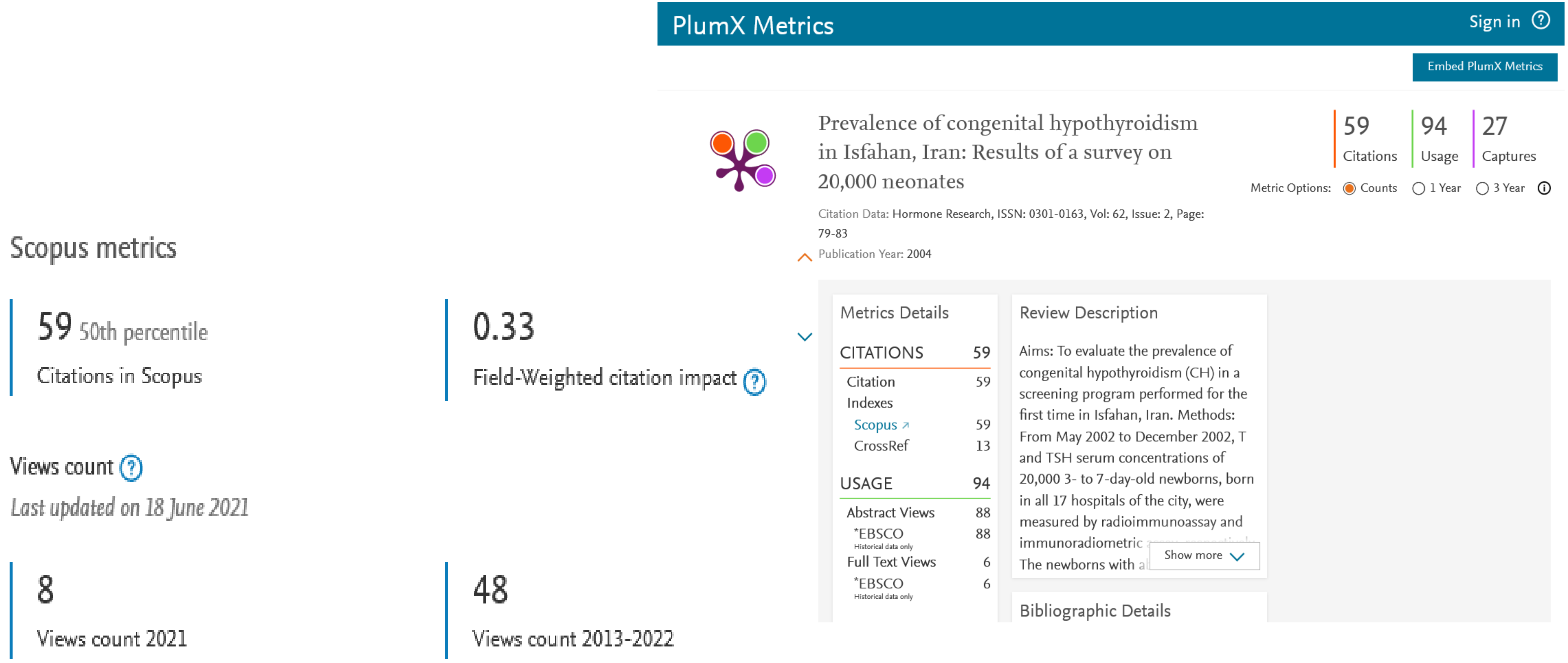
دکتر یار احمدی مهم ترین عوامل بروز بالای کم کاری تیروئید نوزادان در کشور را چنین برشمرد: اختلالات ید در محیط، نارس بودن، وزن کم نوزاد هنگام تولد، دوقلو یا چند قلو بودن، زردی طول کشیده، کمبود دریافت ید روزانه در مادر باردار، ابتلای مادر به بیماری تیروئیدی، ابتلای مادر به دیابت، وجود ناهنجاری مادرزادی، سابقه داشتن خواهر یا برادر مبتلا به کم کاری تیروئید و ازدواج های فامیلی.

وی با اشاره به غربالگری کم کاری تیروئید در نوزادان غیرایرانی، گفت: از سال ۹۰ تا ۱۴۰۱ بالغ بر ۵۴۰ هزار و ۲۸۷ نوزاد غیر ایرانی غربالگری شده و از میان آن ها ۲ هزار و ۵۸۷ بیمار شناسایی شده است.

رییس اداره غدد و متابولیک وزارت بهداشت خاطرنشان کرد: این در حالی است که تعداد نوزادان غیرایرانی بیش از ۳.۵ برابر افزایش و تعداد بیماران شناسایی شده در بین آنان نیز ۷ برابر افزایش یافته است.

یاراحمدی در پایان برنامه کشوری غربالگری نوزادان را یکی از برنامه های موفق در سیستم سلامت کشور دانست و ابراز داشت: پوشش ۹۵ درصدی برنامه نشان از موفقیت برنامه در سیاستگذاری و اجرا و ناشی از تلاش های همکاران در دانشگاه های علوم پزشکی کشور در اجرای موفق برنامه بوده است./۲۰۲

A Real Case of Research Impact!



Scopus metrics

59 50th percentile
Citations in Scopus

0.33
Field-Weighted citation impact

Views count
Last updated on 18 June 2021

8
Views count 2021

48
Views count 2013-2022

PlumX Metrics

Prevalence of congenital hypothyroidism in Isfahan, Iran: Results of a survey on 20,000 neonates

59	94	27
Citations	Usage	Captures

Metric Options: ● Counts ○ 1 Year ○ 3 Year

Citation Data: Hormone Research, ISSN: 0301-0163, Vol: 62, Issue: 2, Page: 79-83

Publication Year: 2004

Metrics Details

CITATIONS	59
Citation Indexes	59
Scopus	59
CrossRef	13
USAGE	94
Abstract Views	88
*EBSCO Historical data only	88
Full Text Views	6
*EBSCO Historical data only	6

Review Description

Aims: To evaluate the prevalence of congenital hypothyroidism (CH) in a screening program performed for the first time in Isfahan, Iran. Methods: From May 2002 to December 2002, T and TSH serum concentrations of 20,000 3- to 7-day-old newborns, born in all 17 hospitals of the city, were measured by radioimmunoassay and immunoradiometric The newborns with a

Bibliographic Details

What is Research Impact?

- Research funders and research organizations globally are looking to measure impact .
- The impacts are not easily recognized & quantified.
- There can be considerable time lags between research and impact.
- Impact is often made from accumulated knowledge and not a specific research finding.

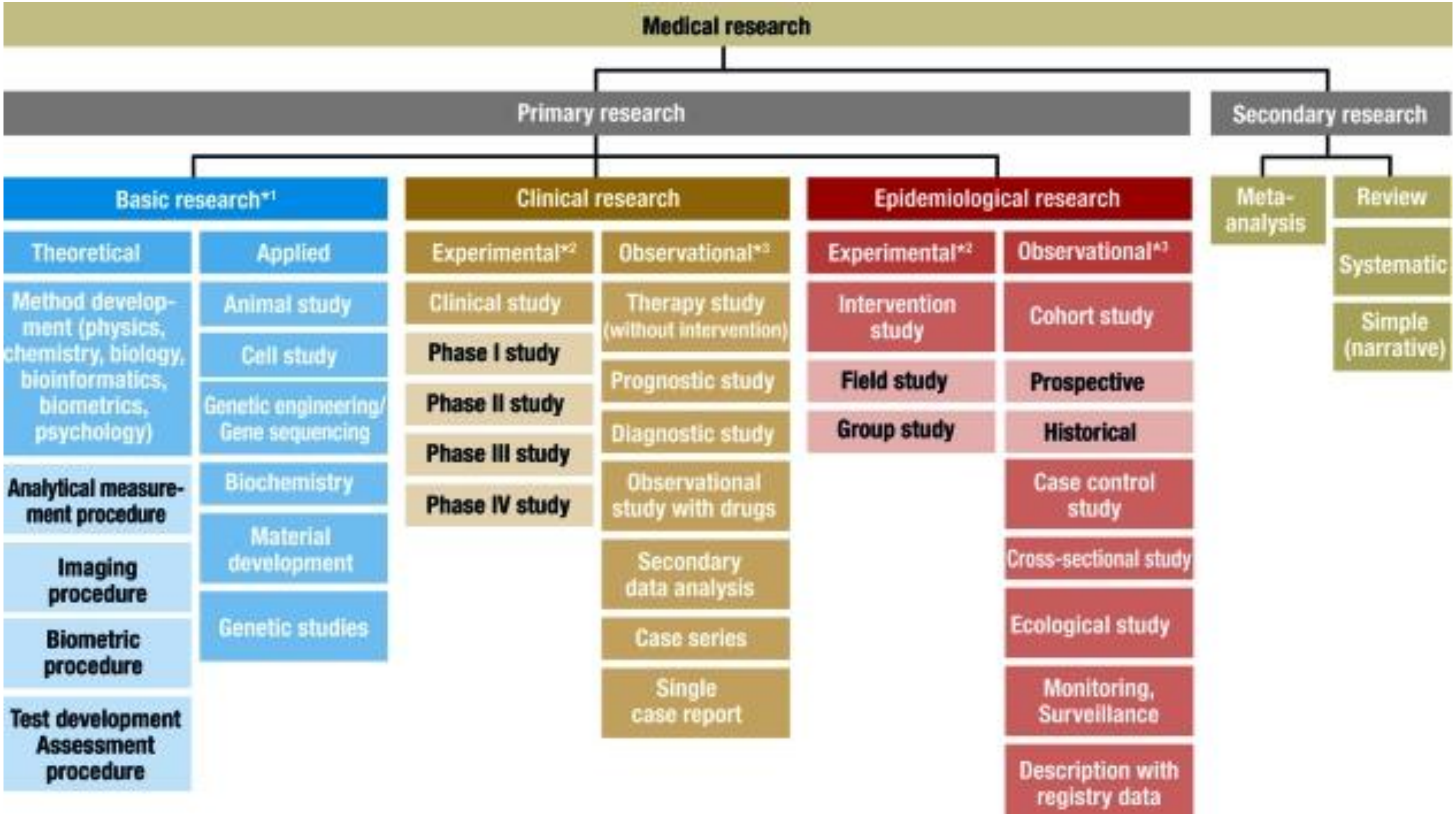
Research Impact Goals & Application

- What type of impact you are trying to achieve?
- Who will benefit from your research?
- How will they benefit?
- How can you measure this impact?
- How can you capture & provide evidence of this?

A Quick Look at: Steps in Scientific Writing

- Design well
- Decide politics
- Choose journal
- Read instructions to authors/papers
- Set framework
- Prepare drafts
- Distribute
- Polish
- Submit

Which Type of Study Makes the Research Impact?



- Medical research
  - Primary research
    - Basic research*1
      - Theoretical
        - Method development (physics, chemistry, biology, bioinformatics, biometrics, psychology)
        - Analytical measurement procedure
        - Imaging procedure
        - Biometric procedure
        - Test development Assessment procedure
      - Applied
        - Animal study
        - Cell study
        - Genetic engineering/ Gene sequencing
        - Biochemistry
        - Material development
        - Genetic studies
    - Clinical research
      - Experimental*2
        - Clinical study
        - Phase I study
        - Phase II study
        - Phase III study
        - Phase IV study
      - Observational*3
        - Therapy study (without intervention)
        - Prognostic study
        - Diagnostic study
        - Observational study with drugs
        - Secondary data analysis
        - Case series
        - Single case report
    - Epidemiological research
      - Experimental*2
        - Intervention study
        - Field study
        - Group study
      - Observational*3
        - Cohort study
        - Prospective
        - Historical
        - Case control study
        - Cross-sectional study
        - Ecological study
        - Monitoring, Surveillance
        - Description with registry data
  - Secondary research
    - Meta-analysis
    - Review
      - Systematic
      - Simple (narrative)

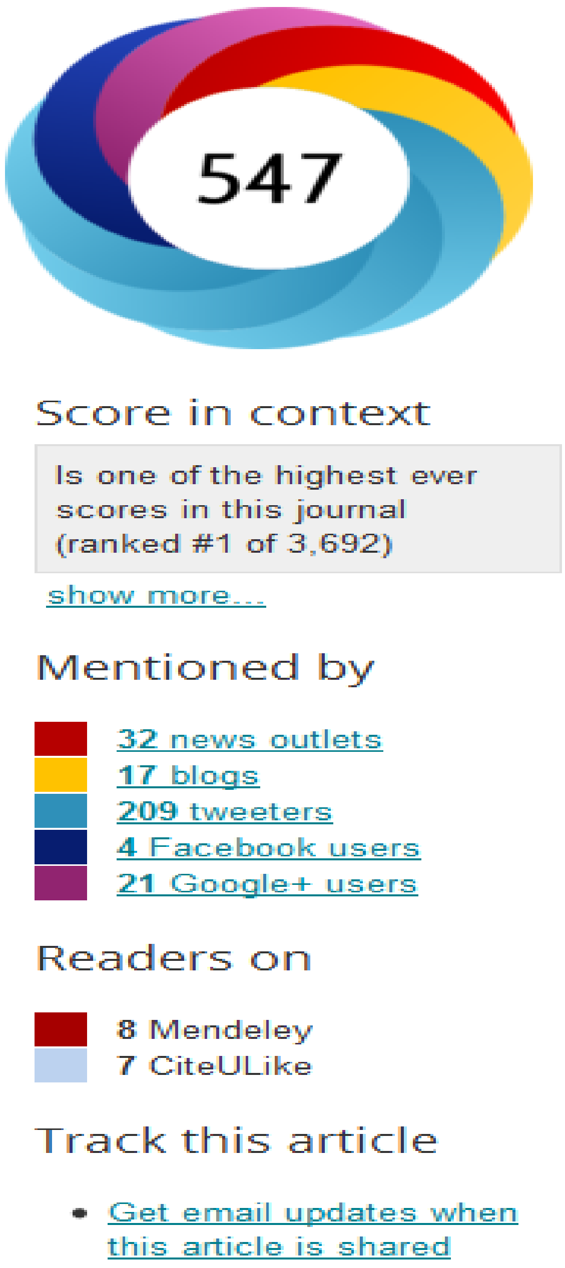
Röhrig B, du Prel JB, Wachtlin D, Blettner M. Types of study in medical research: part 3 of a series on evaluation of scientific publications. Dtsch Arztebl Int. 2009 Apr;106(15):262-8. doi: 10.3238/arztebl.2009.0262. Epub 2009 Apr 10. PMID: 19547627; PMCID: PMC2689572.

Different Types of Impacts

- Research impact
- Social impact
- Clinical impact
- Economic impact
- Environmental impact
- Impact on health and wellbeing
- Policy influence and change
- Technological developments

Altmetrics (Alternative Metrics)
Article Level Metrics

- Scores article social impact & Monitors "mentions" in society
  - Conventional Media
  - Social Media
  - Reference Managers
  - Post-pub & Peer-review Sites



Score in context

Is one of the highest ever scores in this journal (ranked #1 of 3,692)

show more...

Mentioned by

🟥 32 news outlets
🟨 17 blogs
🟦 209 tweeters
🟦 4 Facebook users
🟪 21 Google+ users

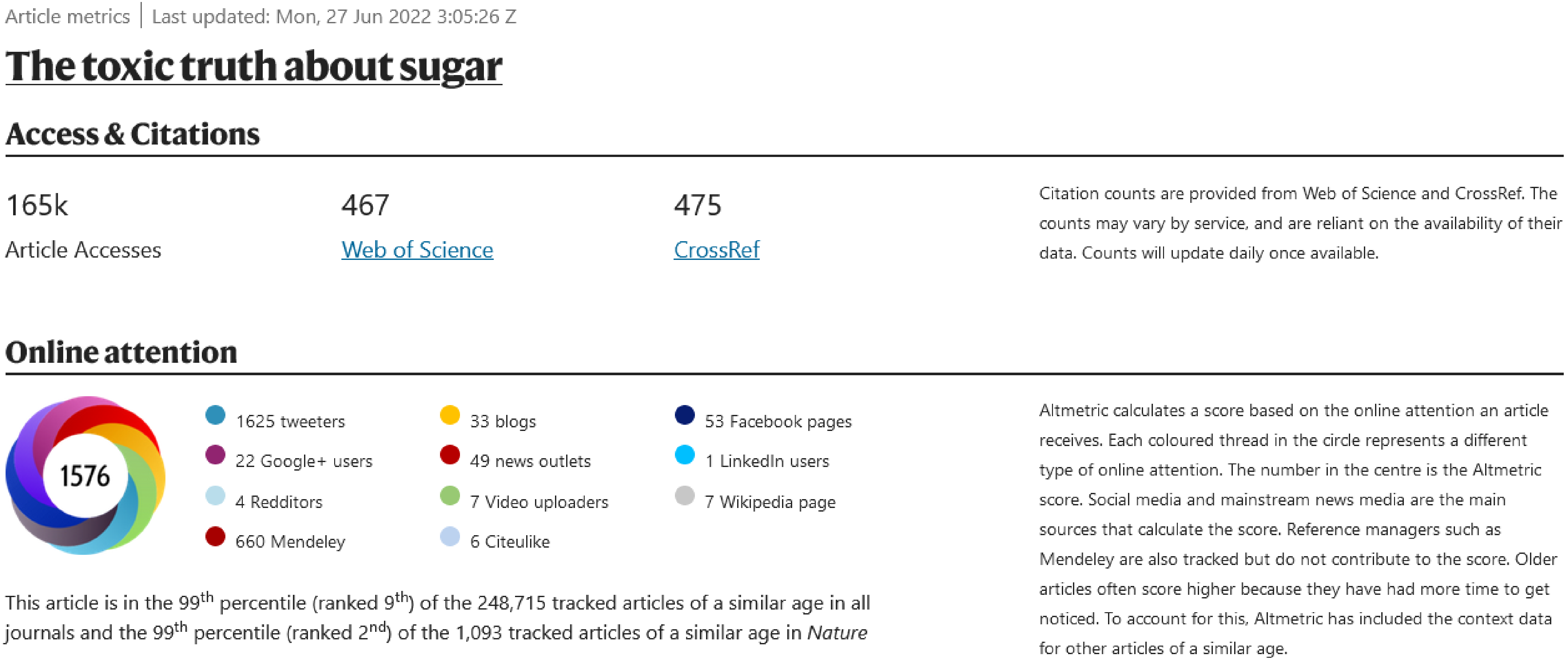
Readers on

🟥 8 Mendeley
🟦 7 CiteULike

Track this article

- Get email updates when this article is shared

Altmetrics (Alternative Metrics)
Article Level Metrics



Article metrics | Last updated: Mon, 27 Jun 2022 3:05:26 Z

The toxic truth about sugar

Access & Citations

165k	467	475
Article Accesses	Web of Science	CrossRef

Citation counts are provided from Web of Science and CrossRef. The counts may vary by service, and are reliant on the availability of their data. Counts will update daily once available.

Online attention

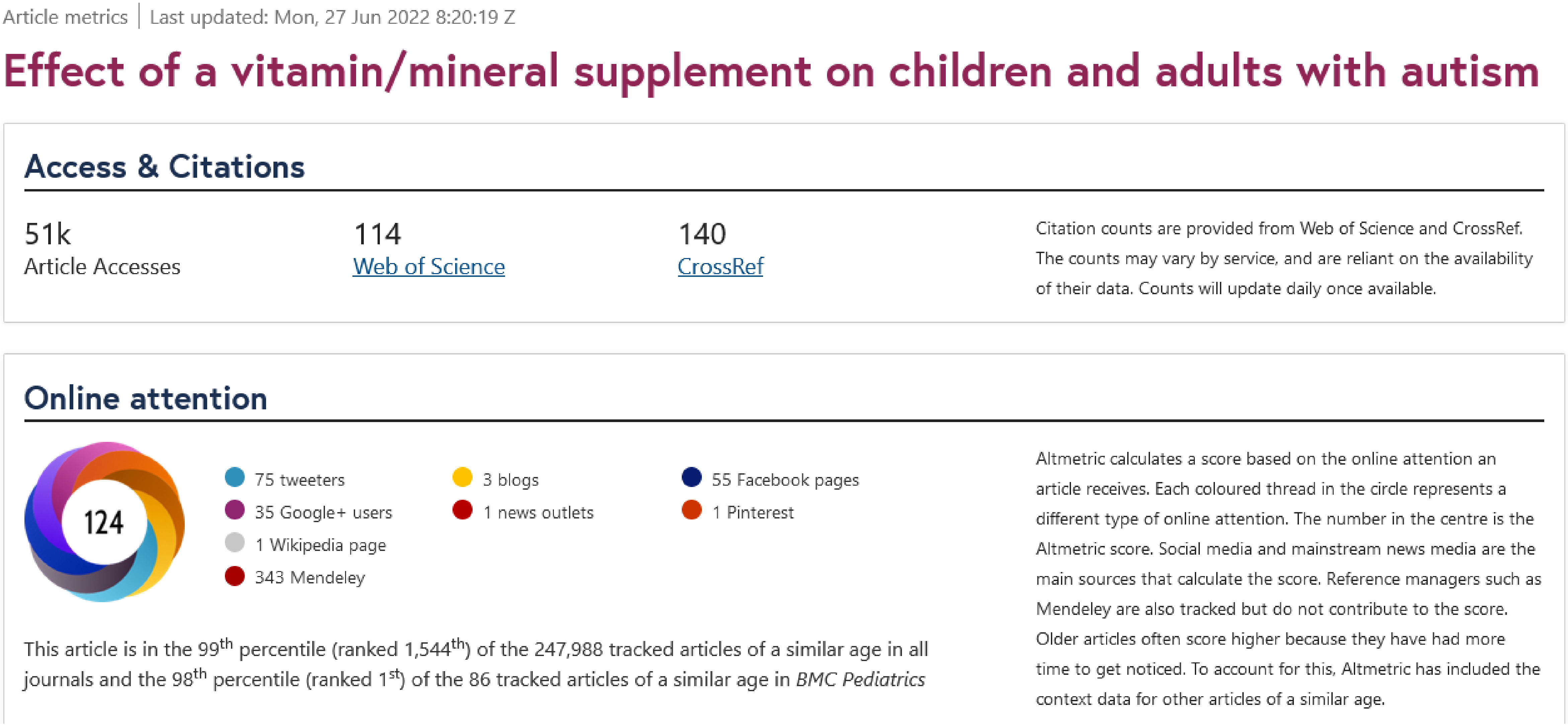
1576

- ● 1625 tweeters
- ● 22 Google+ users
- ● 4 Redditors
- ● 660 Mendeley
- ● 33 blogs
- ● 49 news outlets
- ● 7 Video uploaders
- ● 6 Citeulike
- ● 53 Facebook pages
- ● 1 LinkedIn users
- ● 7 Wikipedia page

This article is in the 99th percentile (ranked 9th) of the 248,715 tracked articles of a similar age in all journals and the 99th percentile (ranked 2nd) of the 1,093 tracked articles of a similar age in *Nature*

Altmetric calculates a score based on the online attention an article receives. Each coloured thread in the circle represents a different type of online attention. The number in the centre is the Altmetric score. Social media and mainstream news media are the main sources that calculate the score. Reference managers such as Mendeley are also tracked but do not contribute to the score. Older articles often score higher because they have had more time to get noticed. To account for this, Altmetric has included the context data for other articles of a similar age.

Altmetrics (Alternative Metrics)
Article Level Metrics



Article metrics | Last updated: Mon, 27 Jun 2022 8:20:19 Z

Effect of a vitamin/mineral supplement on children and adults with autism

Access & Citations

51k
Article Accesses

114
Web of Science

140
CrossRef

Citation counts are provided from Web of Science and CrossRef. The counts may vary by service, and are reliant on the availability of their data. Counts will update daily once available.

Online attention

- ● 75 tweeters
- ● 35 Google+ users
- ● 1 Wikipedia page
- ● 343 Mendeley
- ● 3 blogs
- ● 1 news outlets
- ● 55 Facebook pages
- ● 1 Pinterest

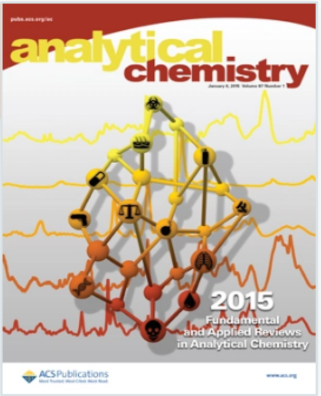
This article is in the 99th percentile (ranked 1,544th) of the 247,988 tracked articles of a similar age in all journals and the 98th percentile (ranked 1st) of the 86 tracked articles of a similar age in *BMC Pediatrics*

Altmetric calculates a score based on the online attention an article receives. Each coloured thread in the circle represents a different type of online attention. The number in the centre is the Altmetric score. Social media and mainstream news media are the main sources that calculate the score. Reference managers such as Mendeley are also tracked but do not contribute to the score. Older articles often score higher because they have had more time to get noticed. To account for this, Altmetric has included the context data for other articles of a similar age.

Tattoo-Based Noninvasive Glucose Monitoring: A Proof-of-Concept Study

Amay J. Bandodkar, Wenzhao Jia, Ceren Yardımcı, Xuan Wang, Julian Ramirez, and Joseph Wang*

View Author Information



Analytical Chemistry

Cite this: *Anal. Chem.* 2015, 87, 1, 394–398
Publication Date: December 12, 2014
https://doi.org/10.1021/ac504300n

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RIGHTS & PERMISSIONS

Article Views	Altmetric	Citations
80129	399	459

Share Add to Export

RIS

🟥 News (26)
🟨 Blogs (10)
🟦 Twitter (113)
🟧 Patents (31)
🟦 Facebook (31)
🟪 Google+ (24)

🟥 Mendeley (771)
🟦 CiteULike (1)

PDF (1 MB)

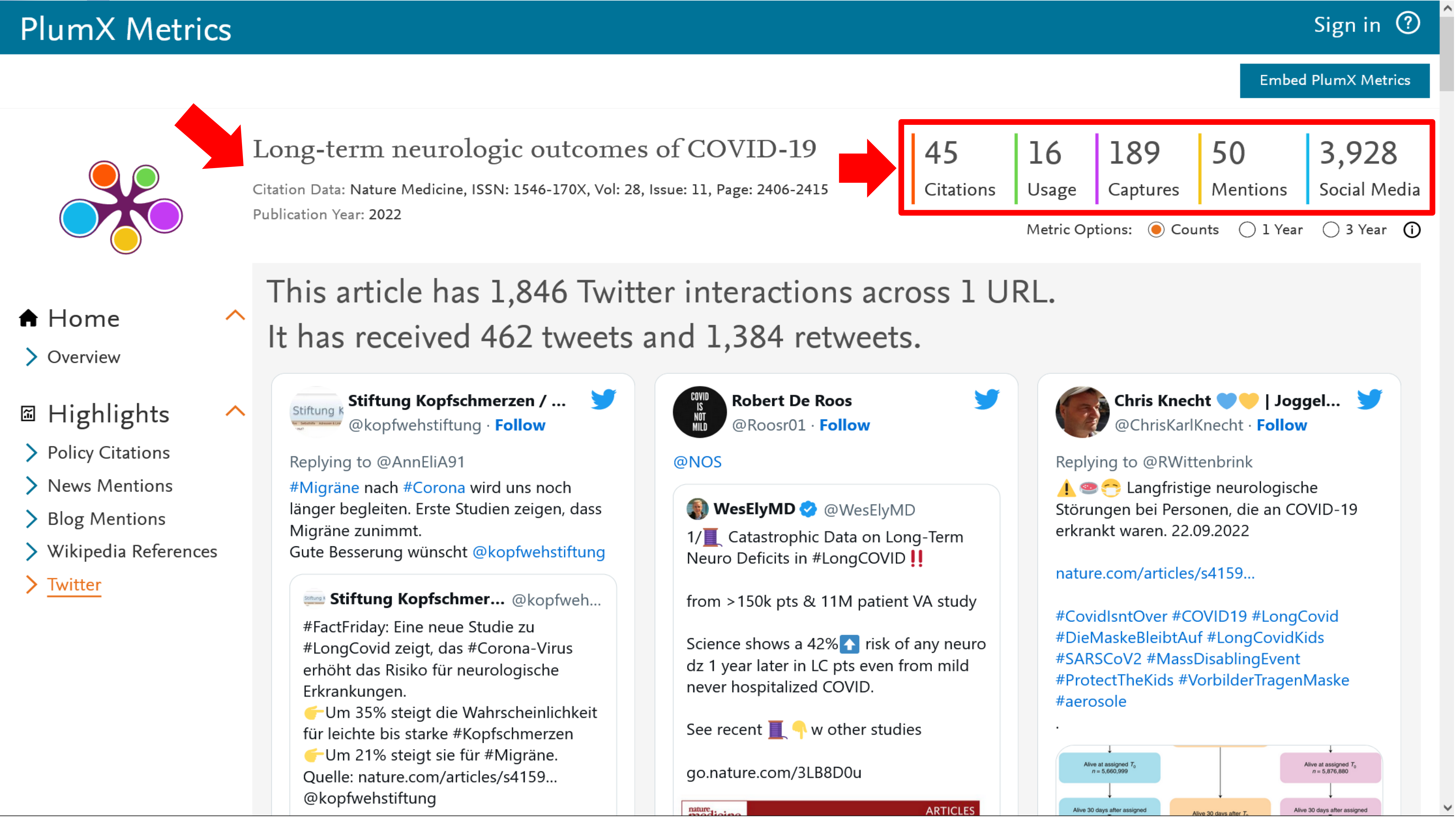
SI Supporti

y, Carbohydrates,
nd proteins, Sensors

Abstract

We present a proof-of-concept demonstration of an all-printed temporary tattoo-based glucose sensor for noninvasive glycemic monitoring. The sensor represents the first example of an easy-to-wear flexible tattoo-based

Meal
Reverse Iontophoresis



PlumX Metrics

Sign in

Embed PlumX Metrics

Long-term neurologic outcomes of COVID-19

Citation Data: Nature Medicine, ISSN: 1546-170X, Vol: 28, Issue: 11, Page: 2406-2415

Publication Year: 2022

45	16	189	50	3,928
Citations	Usage	Captures	Mentions	Social Media

Metric Options: ● Counts ○ 1 Year ○ 3 Year

- Home
  - Overview
- Highlights
  - Policy Citations
  - News Mentions
  - Blog Mentions
  - Wikipedia References
  - Twitter

This article has 1,846 Twitter interactions across 1 URL.
It has received 462 tweets and 1,384 retweets.

Stiftung Kopfschmerzen / ... @kopfwehstiftung · Follow

Replying to @AnnEliA91

#Migräne nach #Corona wird uns noch länger begleiten. Erste Studien zeigen, dass Migräne zunimmt.
Gute Besserung wünscht @kopfwehstiftung

Stiftung Kopfschmer... @kopfweh...

#FactFriday: Eine neue Studie zu #LongCovid zeigt, das #Corona-Virus erhöht das Risiko für neurologische Erkrankungen.
👉Um 35% steigt die Wahrscheinlichkeit für leichte bis starke #Kopfschmerzen
👉Um 21% steigt sie für #Migräne.
Quelle: nature.com/articles/s4159...
@kopfwehstiftung

Robert De Roos @Roosr01 · Follow

@NOS

WesElyMD @WesElyMD

1/🧵 Catastrophic Data on Long-Term Neuro Deficits in #LongCOVID ‼️

from >150k pts & 11M patient VA study

Science shows a 42%⬆️ risk of any neuro dz 1 year later in LC pts even from mild never hospitalized COVID.

See recent 🧵👇 w other studies

go.nature.com/3LB8D0u

Chris Knecht 💙💛 | Joggel... @ChrisKarlKnecht · Follow

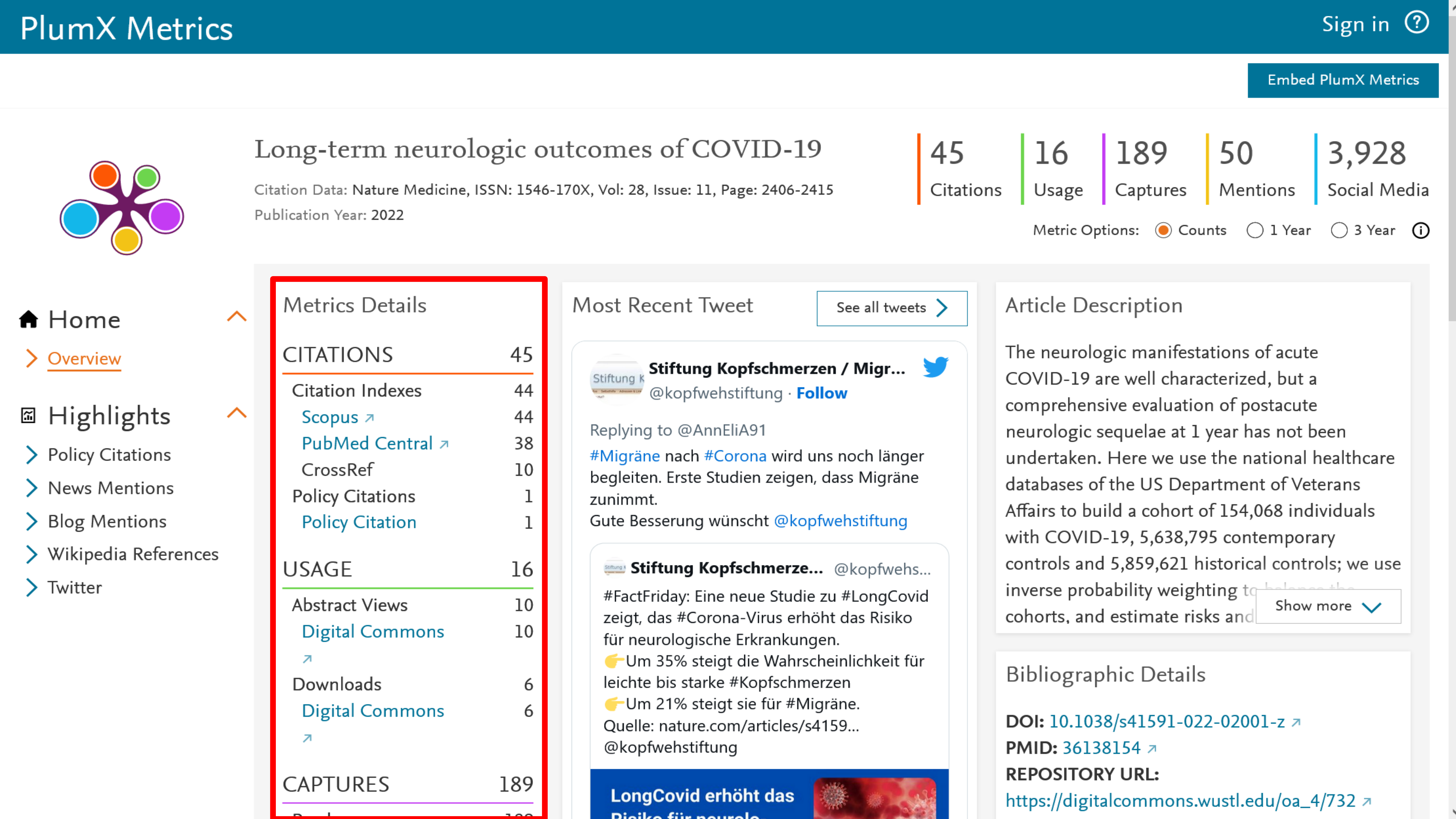
Replying to @RWittenbrink

⚠️🦠😷 Langfristige neurologische Störungen bei Personen, die an COVID-19 erkrankt waren. 22.09.2022

nature.com/articles/s4159...

#CovidIsntOver #COVID19 #LongCovid #DieMaskeBleibtAuf #LongCovidKids #SARSCoV2 #MassDisablingEvent #ProtectTheKids #VorbilderTragenMaske #aerosole

.


PlumX Metrics
Sign in
Embed PlumX Metrics

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Home
Overview
Highlights
Policy Citations
News Mentions
Blog Mentions
Wikipedia References
Twitter

Metrics Details

CITATIONS	45
Citation Indexes	44
Scopus ↗	44
PubMed Central ↗	38
CrossRef	10
Policy Citations	1
Policy Citation	1
USAGE	16
Abstract Views	10
Digital Commons ↗	10
Downloads	6
Digital Commons ↗	6
CAPTURES	189

Most Recent Tweet

See all tweets

Stiftung Kopfschmerzen / Migr...
@kopfwehstiftung · **Follow**

Replying to @AnnEliA91
#Migräne nach #Corona wird uns noch länger begleiten. Erste Studien zeigen, dass Migräne zunimmt.
Gute Besserung wünscht @kopfwehstiftung

Stiftung Kopfschmerze... @kopfwehs...
#FactFriday: Eine neue Studie zu #LongCovid zeigt, das #Corona-Virus erhöht das Risiko für neurologische Erkrankungen.
👉Um 35% steigt die Wahrscheinlichkeit für leichte bis starke #Kopfschmerzen
👉Um 21% steigt sie für #Migräne.
Quelle: nature.com/articles/s4159...
@kopfwehstiftung

LongCovid erhöht das

Article Description

The neurologic manifestations of acute COVID-19 are well characterized, but a comprehensive evaluation of postacute neurologic sequelae at 1 year has not been undertaken. Here we use the national healthcare databases of the US Department of Veterans Affairs to build a cohort of 154,068 individuals with COVID-19, 5,638,795 contemporary controls and 5,859,621 historical controls; we use inverse probability weighting to balance the cohorts, and estimate risks and

Bibliographic Details

DOI: 10.1038/s41591-022-02001-z ↗
PMID: 36138154 ↗
REPOSITORY URL:
https://digitalcommons.wustl.edu/oa_4/732 ↗

Altmetric (Alternative Metrics)
Article Level Metrics

- Evaluate your publication Social Impact
- Benchmark your article effect against others
- Connect to discussion on your article
- Shows decisions made based on your papers
- Communicate impact to people, colleagues etc.
- Increasingly....demonstrate societal impact to funders

Five Categories to Learn:
Citations

- **Citations**: Traditional index which also citations that help indicate societal impact such as Clinical or Policy Citations.
- Examples: citation indexes, patent citations, clinical citations, policy citations.
- **Sources:** Web of Science, Scopus, Google Scholar, …

Five Categories to Learn:
Usage

- **Usage:** A way to signal if anyone is reading the articles or otherwise using the research. Usage is the number one statistic researchers want to know after citations.

- **Sources:** Clicks, Downloads, Views, Library Holdings, Video Plays.

Five Categories to Learn:
Captures

- **Captures:** Indicates that someone wants to come back to the work. Captures can be an leading indicator of future citations.

- **Sources:** Bookmarks, Code Forks, Favorites, Readers, Watchers.

Five Categories to Learn:
Mentions

- **Mentions:** Measurement of activities such as news articles or blog posts about research. Mentions is a way to tell that people are truly engaging with the research.
- **Sources:** Blog Posts, Comments, Reviews, Wikipedia References, News Media.

Five Categories to Learn: Social Media

- **Social Media**: This category includes the tweets, Facebook likes, etc. that reference the research. Social Media can attract attention. Social media can also be a good measure of how well a particular piece of research has been promoted.
- **Examples:** Facebook, Twitter, ...
- **Sources:** Shares, Likes, Comments, Tweets

Papers Different Impact Measures

	Index	Measuring Systems
1	View	Academia, ResearchGate, PloS, Different Publishers
2	Downloaded/Saved	Mendeley, Different Publishers, PloS
3	Discussed	Wikipedia, Facebook, Blogs, ScienceSeeker
4	Recommended	F1000 Prime
5	Citations	Web of Science, Scopus, Google Scholar, CorssRef, Patent Citation,
6	Mentions	Blogs, News, Reddit, Wikipedia
7	Shares, Likes & Comments	Facebook, Twitter

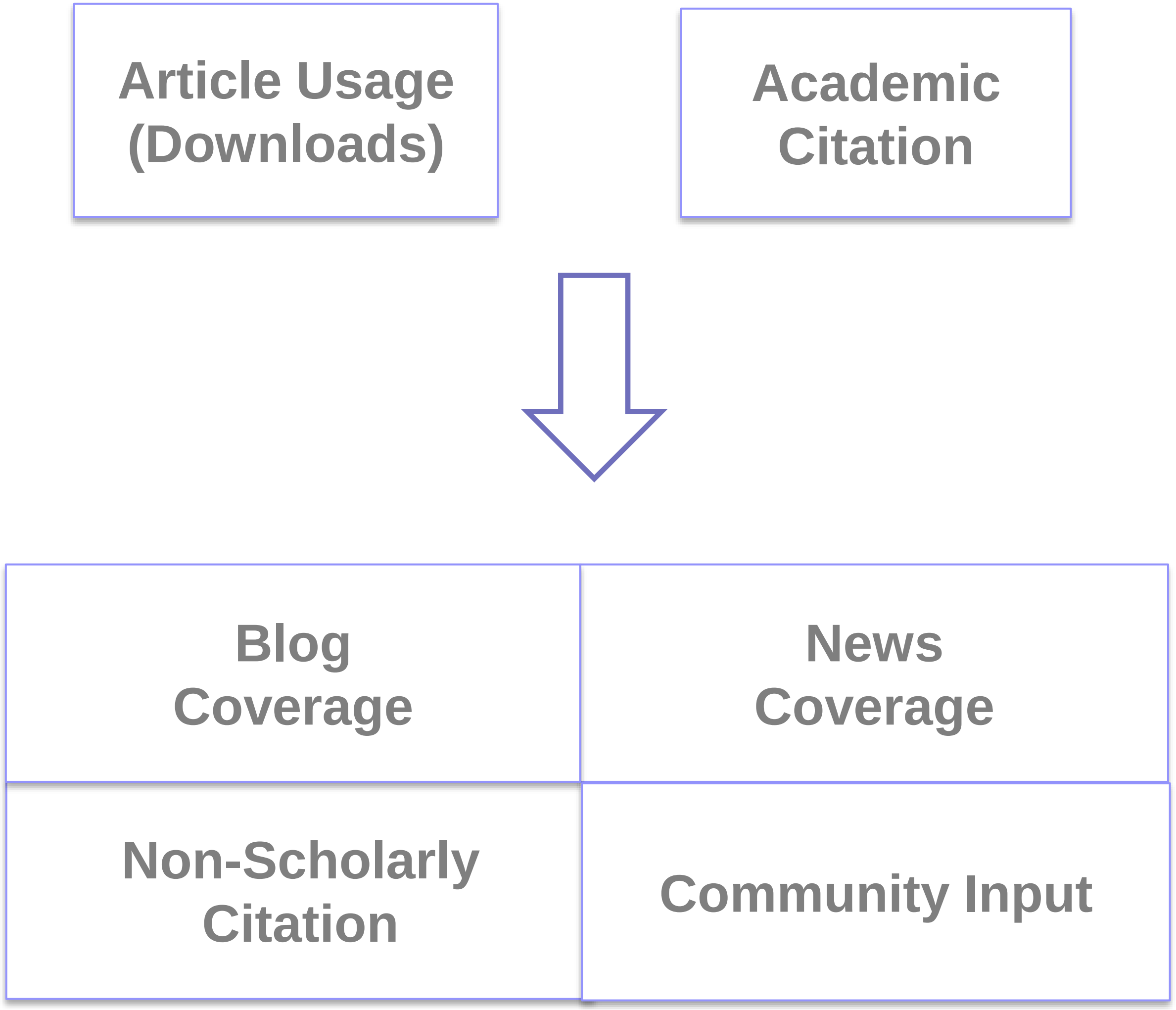
Altmetric (Alternative Metrics)
Article Level Metrics Benefits

- Wide Used Resourced, NOT limited to indexed Journals
- Goof for Young Researchers
- Shows immediate impact, No more time needed
- Free, No Subscription required
- Article Level Metrics instead of Journal Level Metrics

Impactstory

PLUM ANALYTICS

Altmetric



Article Usage (Downloads)

Academic Citation

Blog Coverage

News Coverage

Non-Scholarly Citation

Community Input

Dissemination, Altmetrics, Citations & Impact

- Dissemination is not impact, even if you have the impressive number of reads, downloads, views or use.
- How did you know if anyone really used it or learned from it, benefitted or did anything different as results.
- Keep asking, what happened next?!

The Impact Story

Citation ≠ Impact

Altmetrics ≠ Impact

Research **Visibility** Importance

Best Research X **Visibility** = Impact

100 X **0** = 0

Research Visibility & Impact

- You may consider your research papers visibility in 2 stage:

1. Pre-publication Phase Visibility
2. Post-publication Phase Visibility

Research Impact Story

- Pre-Research Execution
- Post-Research Execution

- Pre-Publication
- Post-Publication

How to Improve Research Impact?

How to Improve Research Impact?

- Improving research impact requires deliberate strategies that amplify both the visibility and relevance of research outputs while fostering collaborations and aligning with societal needs.

- There is several actionable steps to enhance research impact.

How to Improve Research Impact?

1. Align Research with Societal Needs
2. Foster Interdisciplinary Collaboration
3. Increase Visibility and Accessibility
4. Enhance Knowledge Translation and Implementation
5. Collaborate with External Partners
6. Pursue Funding and Resources
7. Measure and Showcase Impact
8. Engage in Continuous Learning
9. Institutional Support
10. Long-Term Commitment

Align Research with Societal Needs

- **Address Real-World Problems:** Focus on pressing global challenges like health, climate change, inequality, or technological innovation.

- **Engage with Sustainable Development Goals (SDGs):** Position research projects within the framework of SDGs to ensure broader global relevance.

Foster Interdisciplinary Collaboration

- **Cross-Disciplinary Projects:** Collaborate across disciplines to solve complex problems and broaden the research’s applicability.

- **Stakeholder Involvement:** Engage with industry, government, and community stakeholders from the outset to ensure practical relevance.

Increase Visibility and Accessibility

- **Open Access Publishing:** Make research outputs freely accessible to maximize their reach and use.
- **Effective Communication:** Use non-technical language to explain findings in blogs, infographics, podcasts, or videos for public audiences.
- **Leverage Social Media and Networks:** Share research findings on platforms like LinkedIn, Twitter, or ResearchGate.

Enhance Knowledge Translation and Implementation

- **Policy Briefs and Recommendations:** Summarize findings for policymakers to facilitate their application in governance.
- **Practical Toolkits:** Develop applications, protocols, or technologies derived from research to support real-world use.
- **Workshops and Training:** Conduct training sessions for professionals or communities to apply research insights effectively.

Collaborate with External Partners

- **Industry Partnerships:** Work with businesses to translate research into commercial applications.
- **Community Engagement:** Co-create research agendas with community members to address local needs and build trust.
- **Public-Private Partnerships:** Leverage shared resources and expertise for impactful outcomes.

Pursue Funding and Resources

- **Target Impact-Oriented Grants:** Seek funding from agencies that prioritize projects with measurable societal benefits.

- **Invest in Infrastructure:** Provide tools, labs, and platforms that enable impactful research and its dissemination.

Measure and Showcase Impact

- **Use Metrics Thoughtfully:** Track citations, media mentions, policy influences, and community benefits.
- **Case Studies:** Publish examples of how research has made a difference to highlight practical relevance.
- **Altmetrics Tools:** Monitor the broader reach of your research through platforms like Altmetric and Plum Analytics.

Engage in Continuous Learning

- **Train Researchers:** Provide workshops on impact-driven research methodologies and communication skills.
- **Feedback Loops:** Regularly gather feedback from stakeholders to refine research focus and implementation.

Institutional Support

- **Incentivize Impact:** Recognize and reward faculty and students for impactful research through awards or promotions.
- **Dedicated Offices:** Establish impact offices or teams to guide researchers in creating, measuring, and amplifying impact.
- **Collaborative Culture:** Promote a culture where interdisciplinary and applied research is valued.

Long-Term Commitment

- **Sustained Efforts:** Maintain long-term projects and partnerships that build cumulative impact.
- **Build Networks:** Participate in global networks to ensure that research contributions are relevant and far-reaching.

Publication Process

Business Plan for Your Article

1. Preparing your article
2. Publishing your article
3. Promoting your published article
4. Monitoring your article

Business Plan for Your Article

- Pre-Publication
  - Preparing your article
  - Publishing your article
- Post-Publication
  - Promoting your published article
  - Monitoring your article

Research Impact Story

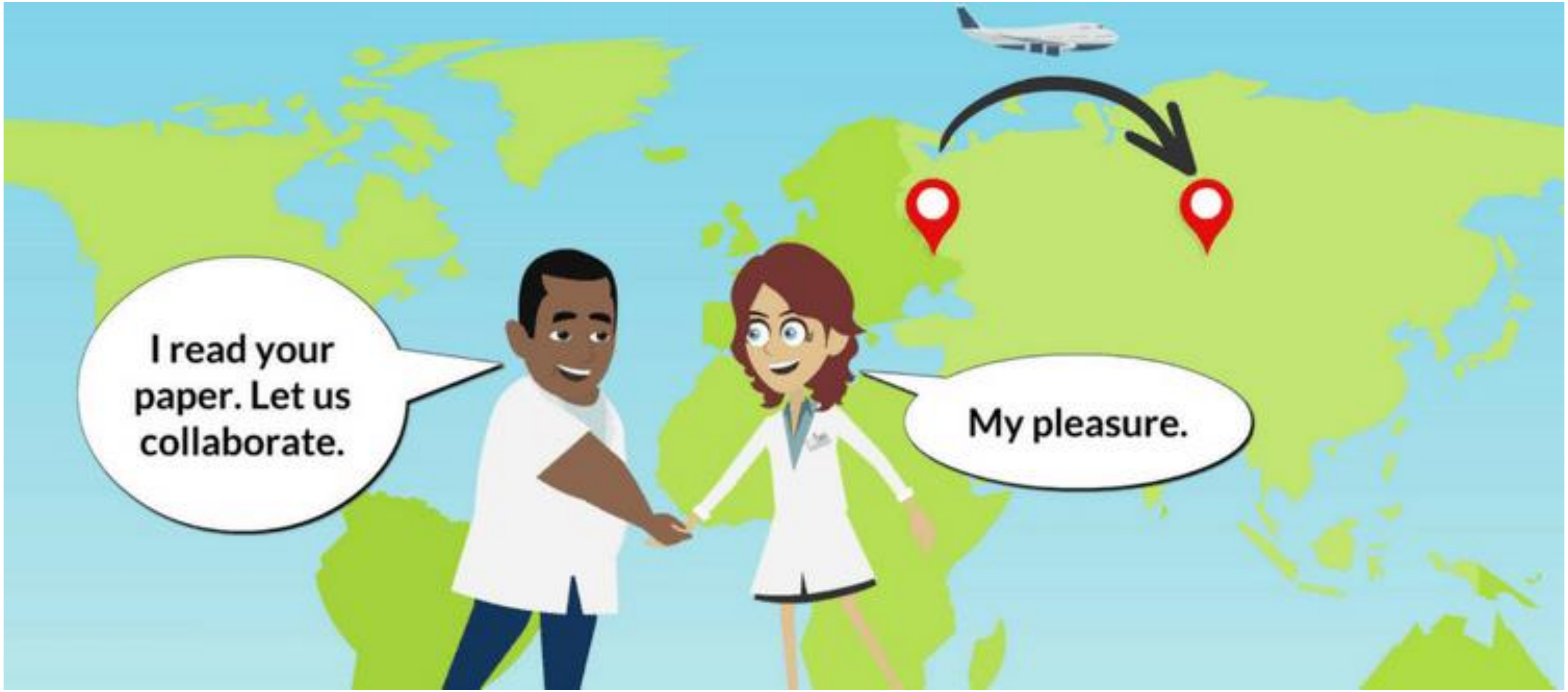
- Pre-Research Execution
- Post-Research Execution

- Pre-Publication
- Post-Publication

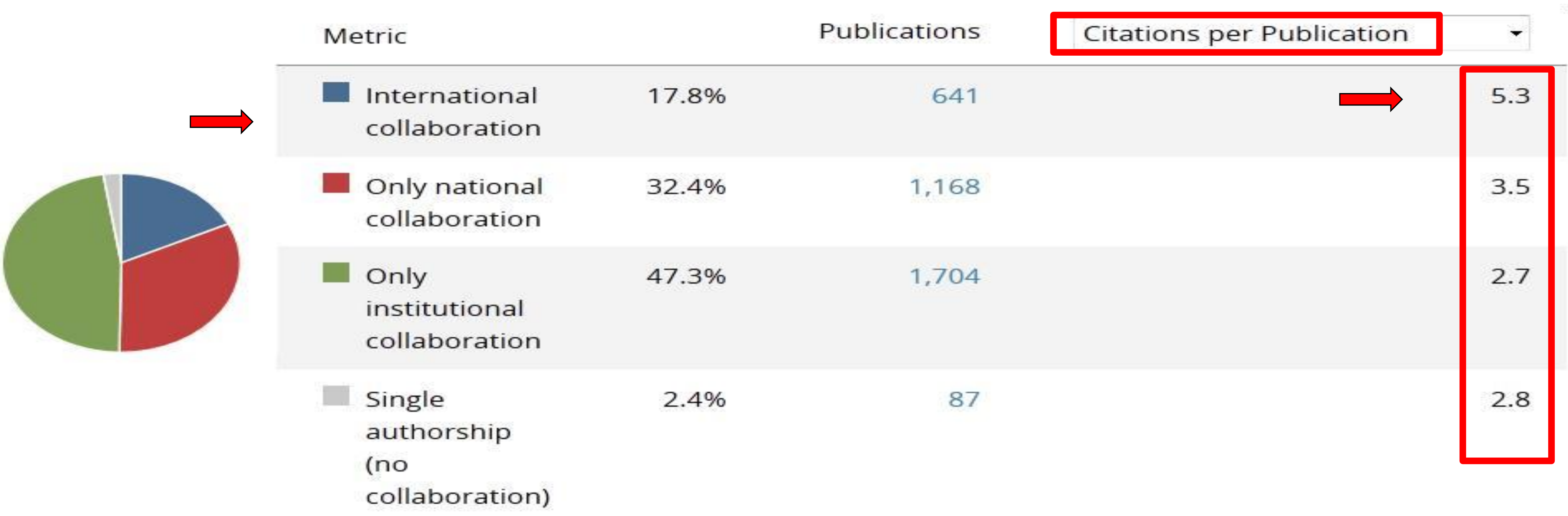
Pre-Publication (Pre-Research Execution)

- Select Research topics with a high potential academic and/or societal relevance.
- Consider the related Hot Topics.
- Consider the study types & designs like reviews.
- Don’t forget that a good topic will result in a good impact.

How Collaborations Increase Research Impact?


I read your paper. Let us collaborate.
My pleasure.

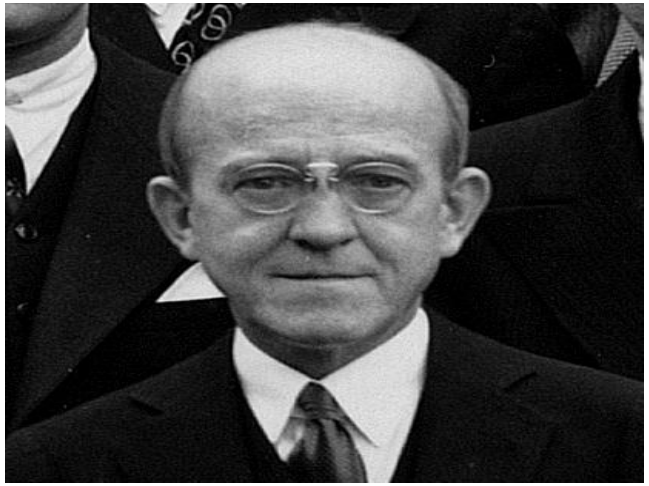
Institutional, National & International Collaboration & Its Effect on Citation



Metric		Publications	Citations per Publication
🟦 International collaboration	17.8%	641	5.3
🟥 Only national collaboration	32.4%	1,168	3.5
🟩 Only institutional collaboration	47.3%	1,704	2.7
⬜ Single authorship (no collaboration)	2.4%	87	2.8

Preparing Your Article

- Spend time on abstract and introduction & conclusion
- Use easy to understand charts and professional illustrations
- Use clear and correct manuscript language
- Consider Brevity in paper, Conciseness & Precision in title
- Sharing research data



Oswald Avery (1877-1955)

James Watson (1928-Current)
Francis Crick (1916-2004)

1944: DNA is genes
= function

(nearly) Forgotten

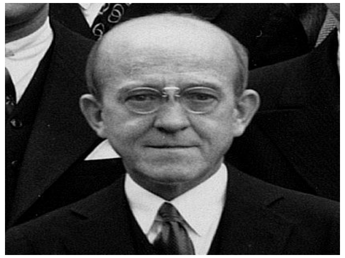
1953: DNA two intertwined spirals
= structure

Immortal

Writing Does Matter!

A structure for Desoxyribose Nucleic Acid
Nature 1953, 737-738

Studies on the Chemical Nature of the Substance Inducing Transformation of Pneumococcal Types
J. Exp. Med. 1944, 137-158



~900 words, 1 sketch
1st mention of DNA: 2nd line

~7'500 words, 4 tables
1st mention of DNA: p9/23

"It has not escaped our notice that the specific pairing we have postulated immediately suggests a possible copying mechanism for the genetic material."

"The evidence presented supports the belief that a nucleic acid of the desoxyribose type is the fundamental unit of the transforming principle of Pneumococcus Type III."

Pre-Publication (Pre-Research Execution)

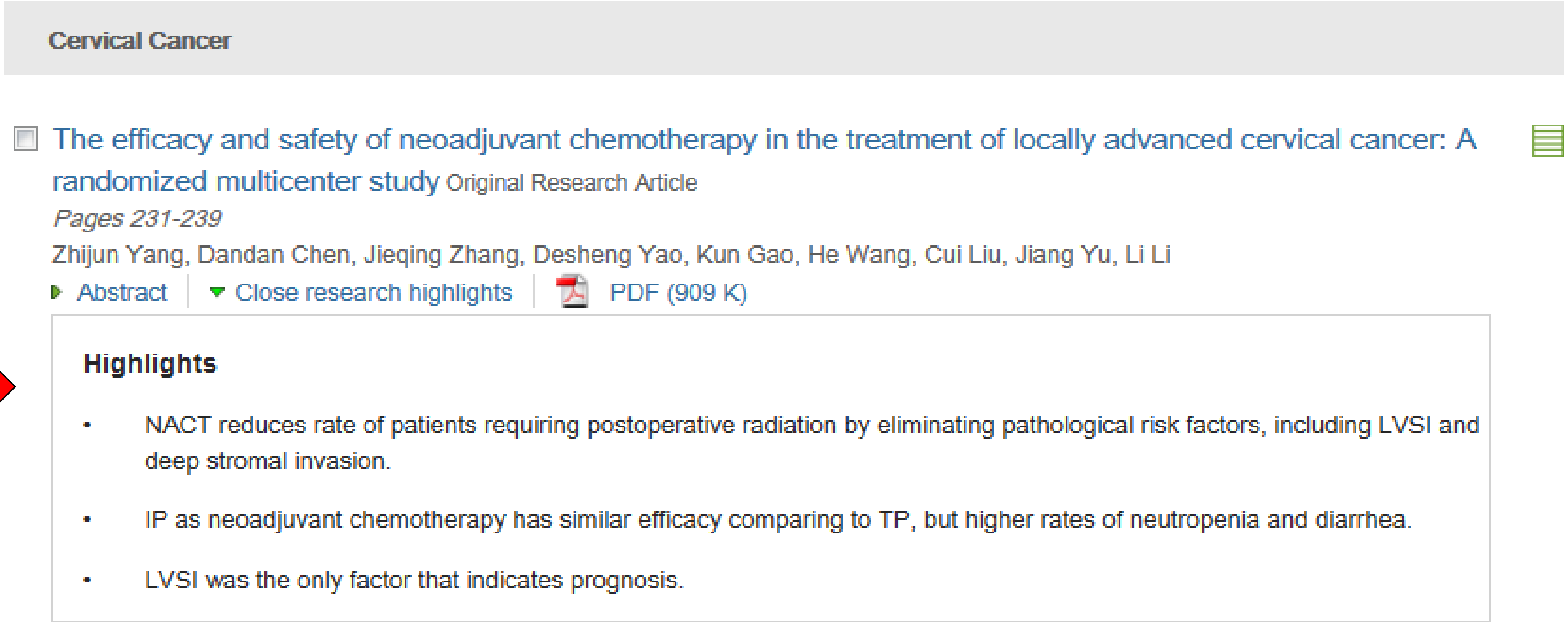
- Ensure your research output has a clear title that is direct and concise. This will promote readership and attract citations from beyond your own discipline.
- Think about writing a plain language summary of your research that is understandable to a non-specialist audience including public or researchers from other disciplines

Enrich Your Article

Enrich Your Article to present your research in the best possible way

- Search Engine Optimization (keywords, Captions, Highlights)
- Using Multimedia (Editorial Podcasts, AudioSlides)
- Graphical Abstract

Highlights Gynecologic Oncology Journal Example



Cervical Cancer

☐ The efficacy and safety of neoadjuvant chemotherapy in the treatment of locally advanced cervical cancer: A randomized multicenter study Original Research Article

Pages 231-239

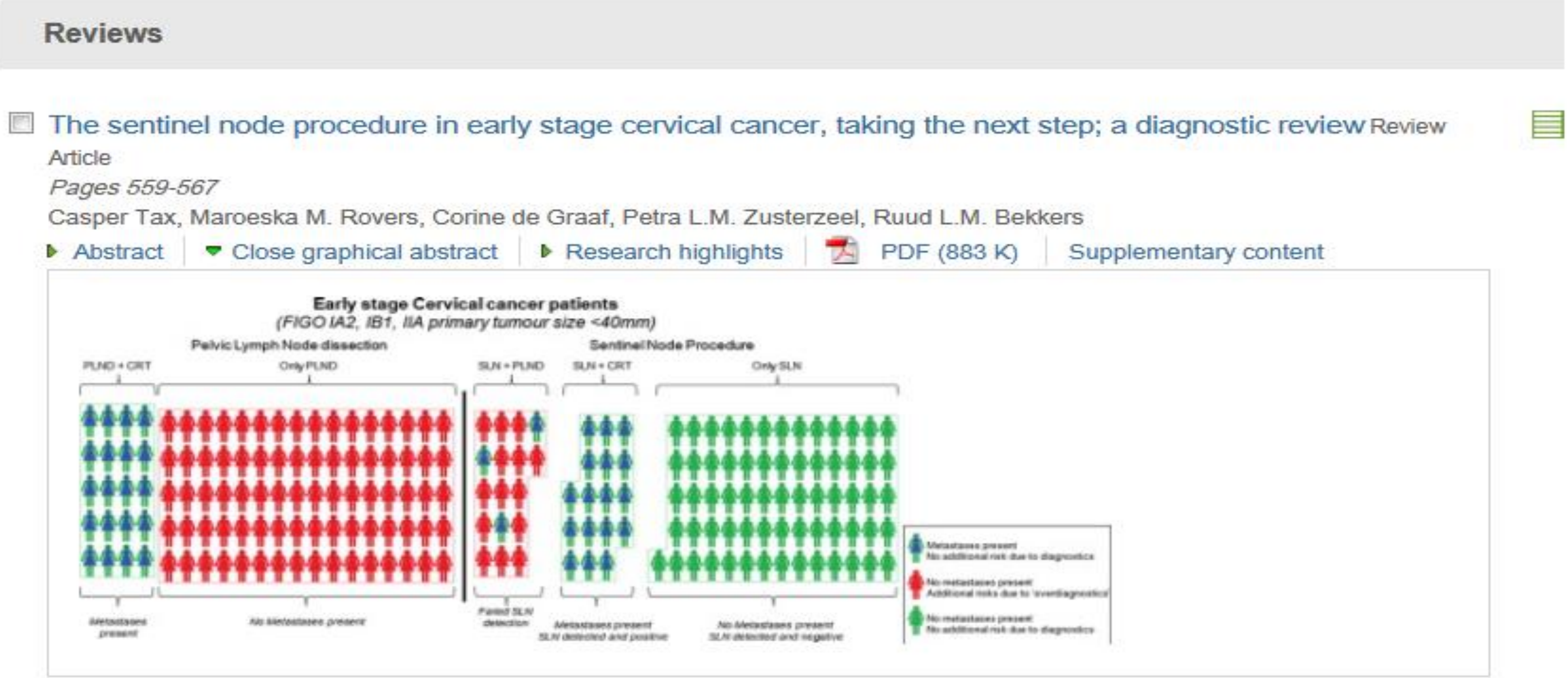
Zhijun Yang, Dandan Chen, Jieqing Zhang, Desheng Yao, Kun Gao, He Wang, Cui Liu, Jiang Yu, Li Li

Highlights

- NACT reduces rate of patients requiring postoperative radiation by eliminating pathological risk factors, including LVSI and deep stromal invasion.
- IP as neoadjuvant chemotherapy has similar efficacy comparing to TP, but higher rates of neutropenia and diarrhea.
- LVSI was the only factor that indicates prognosis.

Graphical Abstract

Gynecologic Oncology Journal Example



Reviews

☐ The sentinel node procedure in early stage cervical cancer, taking the next step; a diagnostic review Review Article

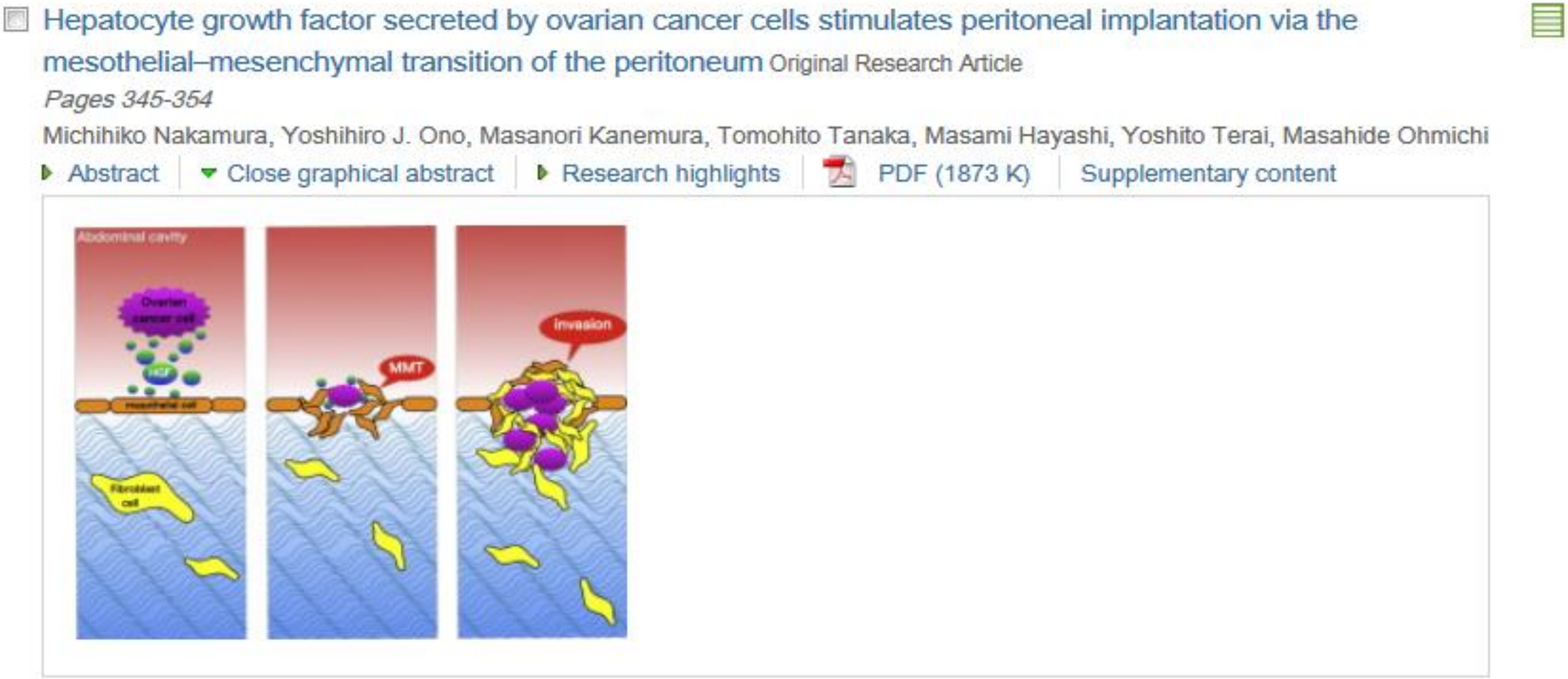
Pages 559-567

Casper Tax, Maroeska M. Rovers, Corine de Graaf, Petra L.M. Zusterzeel, Ruud L.M. Bekkers

Abstract
Close graphical abstract
Research highlights
PDF (883 K)
Supplementary content
Early stage Cervical cancer patients
(FIGO IA2, IB1, IIA primary tumour size <40mm)
Pelvic Lymph Node dissection
Sentinel Node Procedure
PLND + CRT
Only PLND
SLN + PLND
SLN + CRT
Only SLN
Metastases present
No Metastases present
Failed SLN detection
Metastases present SLN detected and positive
No Metastases present SLN detected and negative
Metastases present No additional risk due to diagnostics
No metastases present Additional risks due to 'overdiagnostics'
No metastases present No additional risk due to diagnostics

Graphical Abstract

Gynecologic Oncology Journal Example



☐ Hepatocyte growth factor secreted by ovarian cancer cells stimulates peritoneal implantation via the mesothelial–mesenchymal transition of the peritoneum Original Research Article

Pages 345-354

Michihiko Nakamura, Yoshihiro J. Ono, Masanori Kanemura, Tomohito Tanaka, Masami Hayashi, Yoshito Terai, Masahide Ohmichi

Abstract
Close graphical abstract
Research highlights
PDF (1873 K)
Supplementary content
Abdominal cavity
Ovarian cancer cell
HGF
mesothelial cell
Fibroblast cell
MMT
invasion

Business Plan for Your Article

1. Preparing your article
2. **Publishing your article**
3. Promoting your published article
4. Monitoring your article

Pre-Publication (Pre-Research Execution)

- Choose the Right Journal to publish your manuscript
- Consider Open Access Journals
- Consider the indexing Database of target Journal

Considerations in Selecting a Journal

1. National or international audience?
2. Language?
3. Databases indexes Journal?
4. Multidisciplinary or specialty journals?
5. The journal’s content area/scope?
6. Chances of acceptance?
7. What about the impact factor?
8. Practical matters (time to publication, etc.)

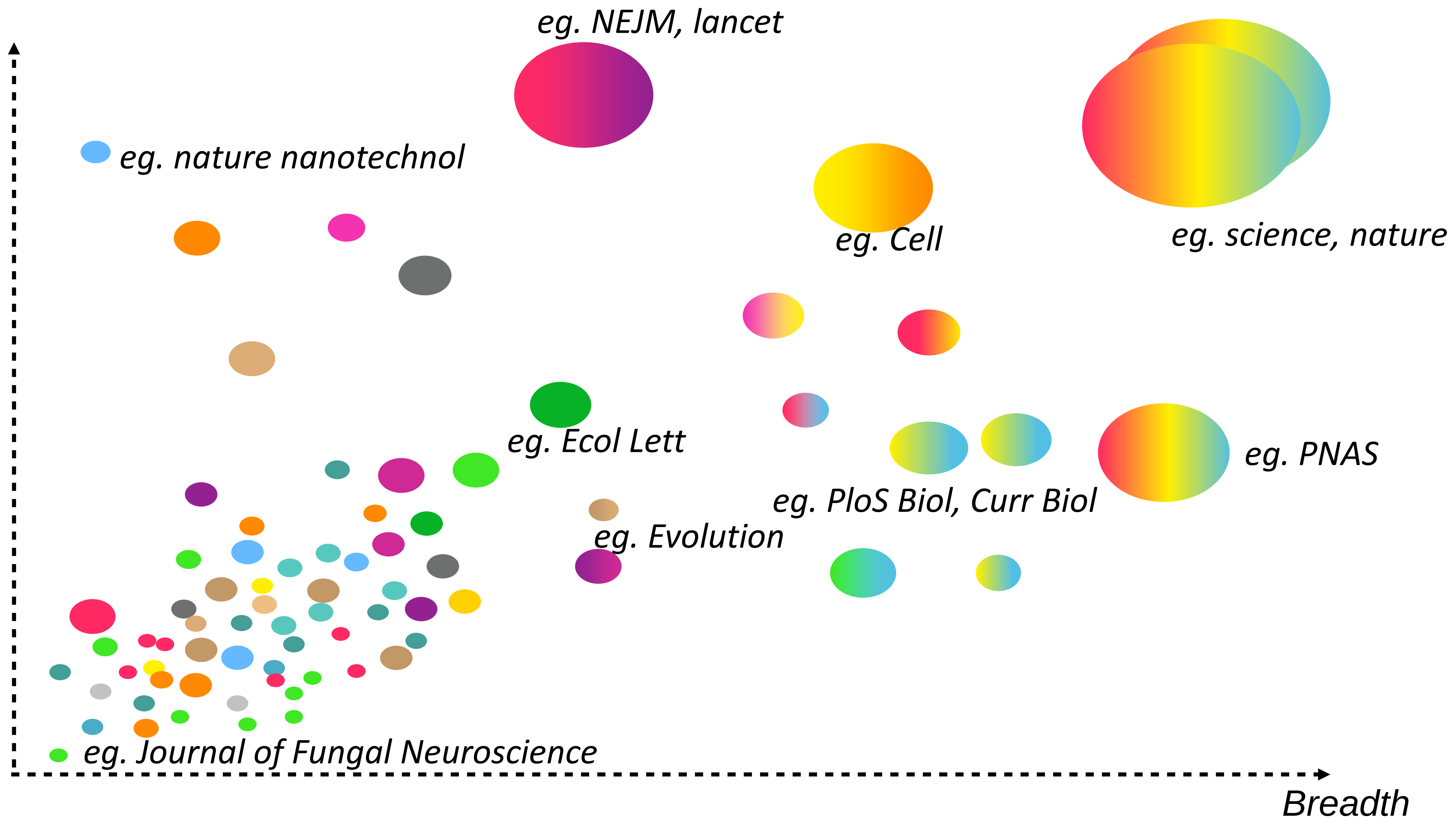
The Journal Spectrum

Different
Journals

Different
Audiences

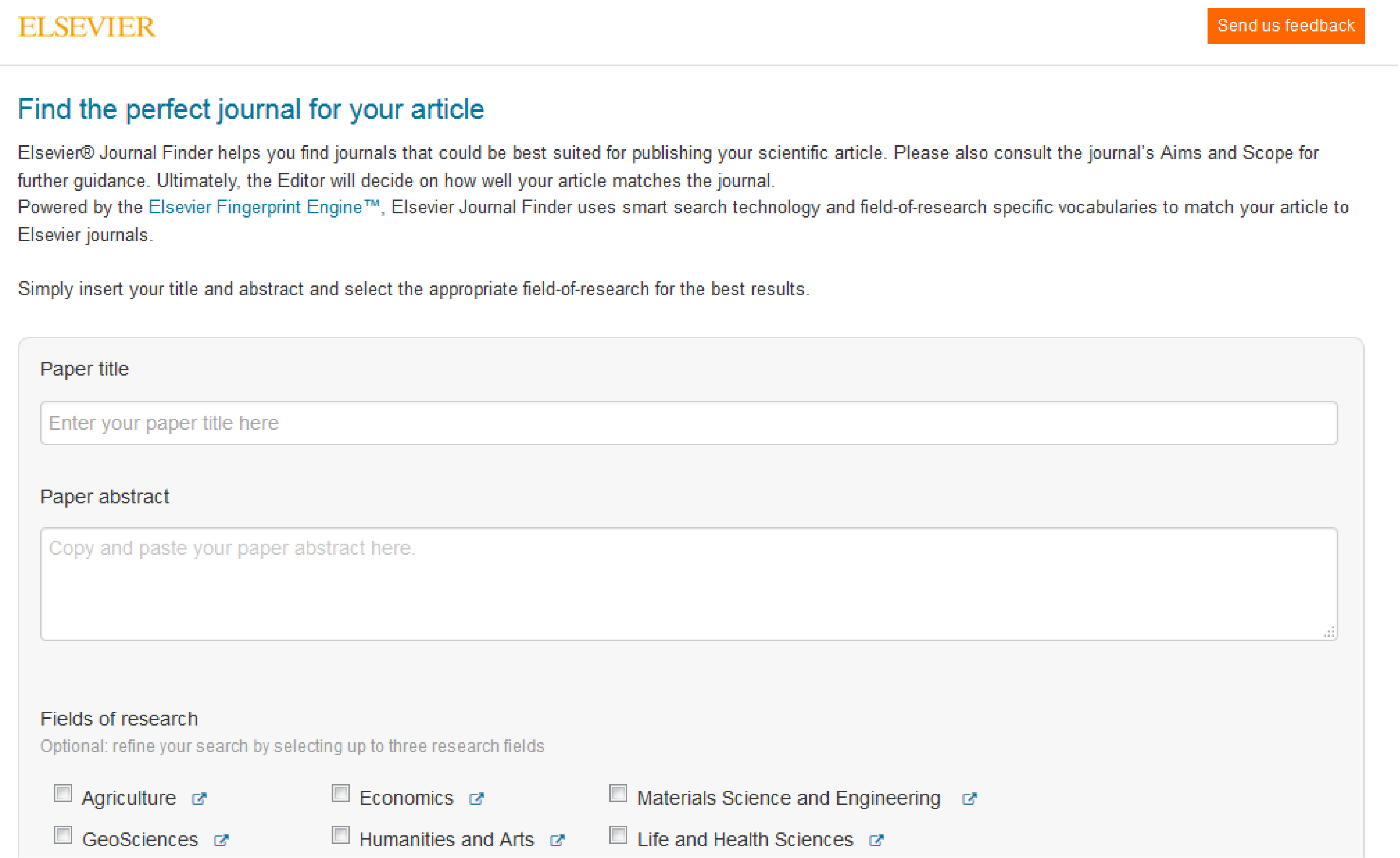
Different
Papers

Different
Functions



Elsevier Journal Finder

http://journalfinder.elsevier.com



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☐ Humanities and Arts
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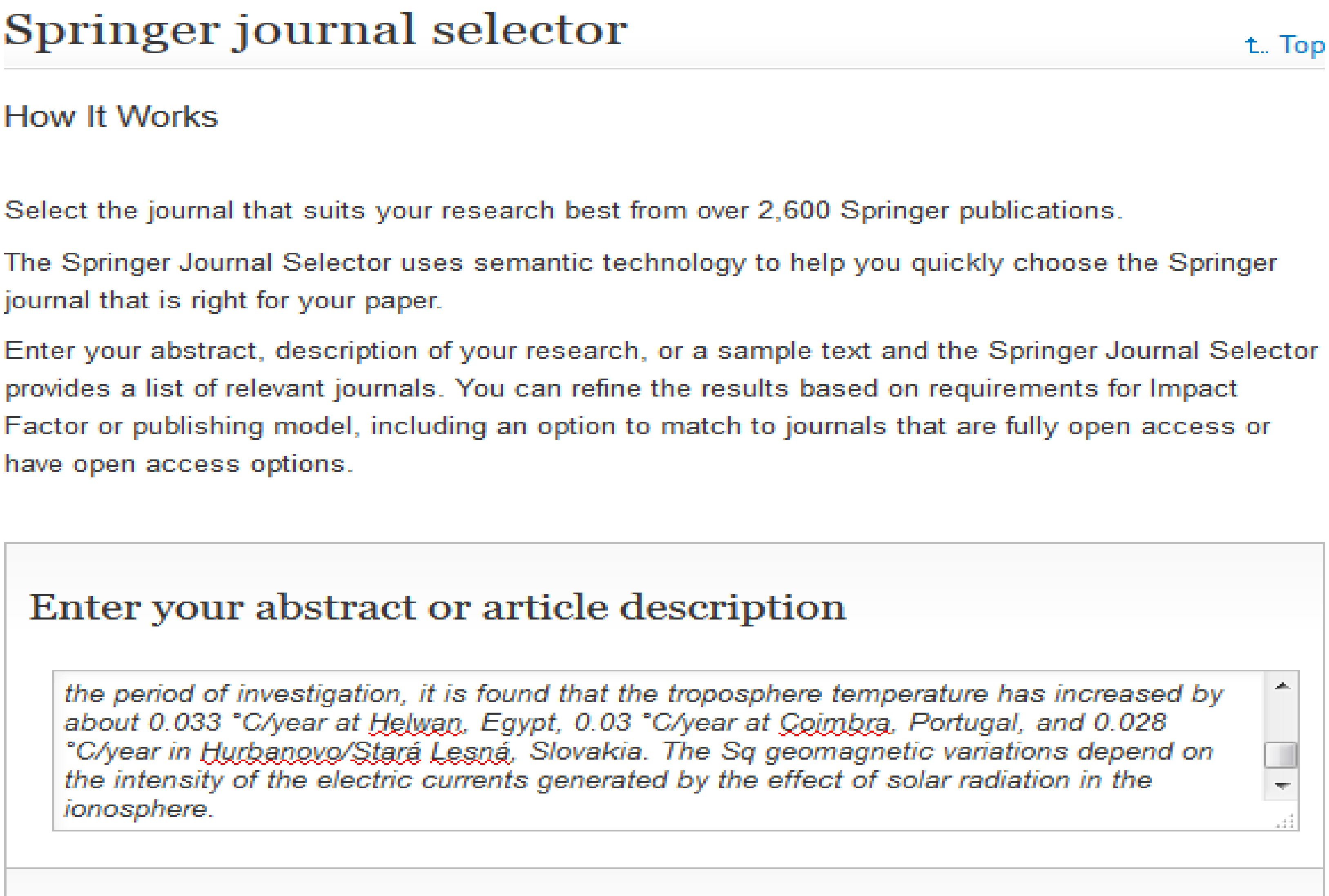
Springer Journal Selector

http://www.springer.com/gp/authors-editors/journal-author/journal-author-helpdesk/preparation/1276



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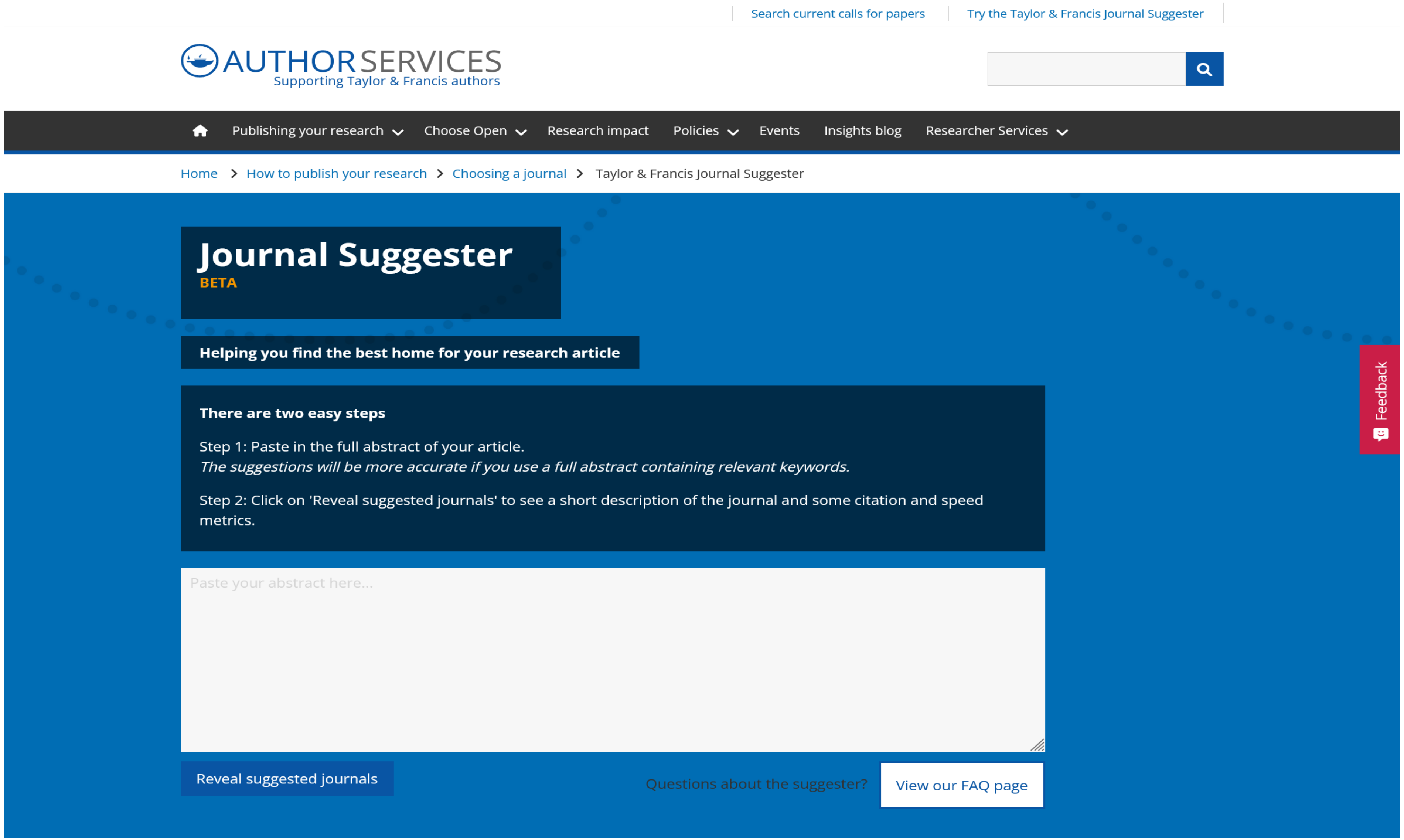
the period of investigation, it is found that the troposphere temperature has increased by about 0.033 °C/year at Helwan, Egypt, 0.03 °C/year at Coimbra, Portugal, and 0.028 °C/year in Hurbanovo/Stará Lesná, Slovakia. The Sq geomagnetic variations depend on the intensity of the electric currents generated by the effect of solar radiation in the ionosphere.

Taylor & Francis Journal Selector

https://authorservices.taylorandfrancis.com/publishing-your-research/choosing-a-journal/journal-suggester/


Search current calls for papers
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Insights blog
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BETA

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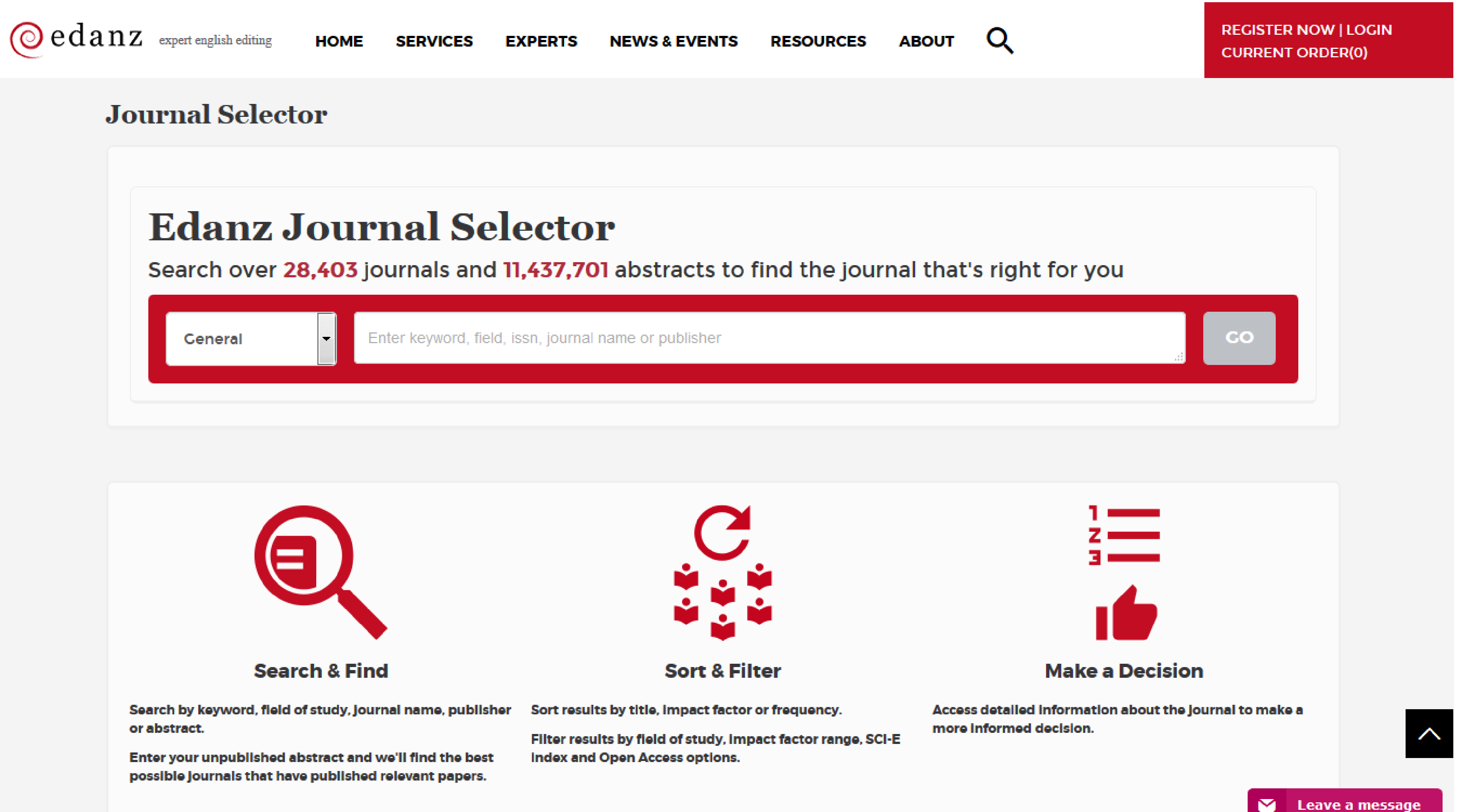
Paste your abstract here...
Reveal suggested journals
Questions about the suggester?
View our FAQ page

Edanz Journal Selector

https://www.edanzediting.com/journal-selector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EXPERTS
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REGISTER NOW | LOGIN
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Enter keyword, field, issn, journal name or publisher
GO
Leave a message

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Search by keyword, field of study, journal name, publisher or abstract.

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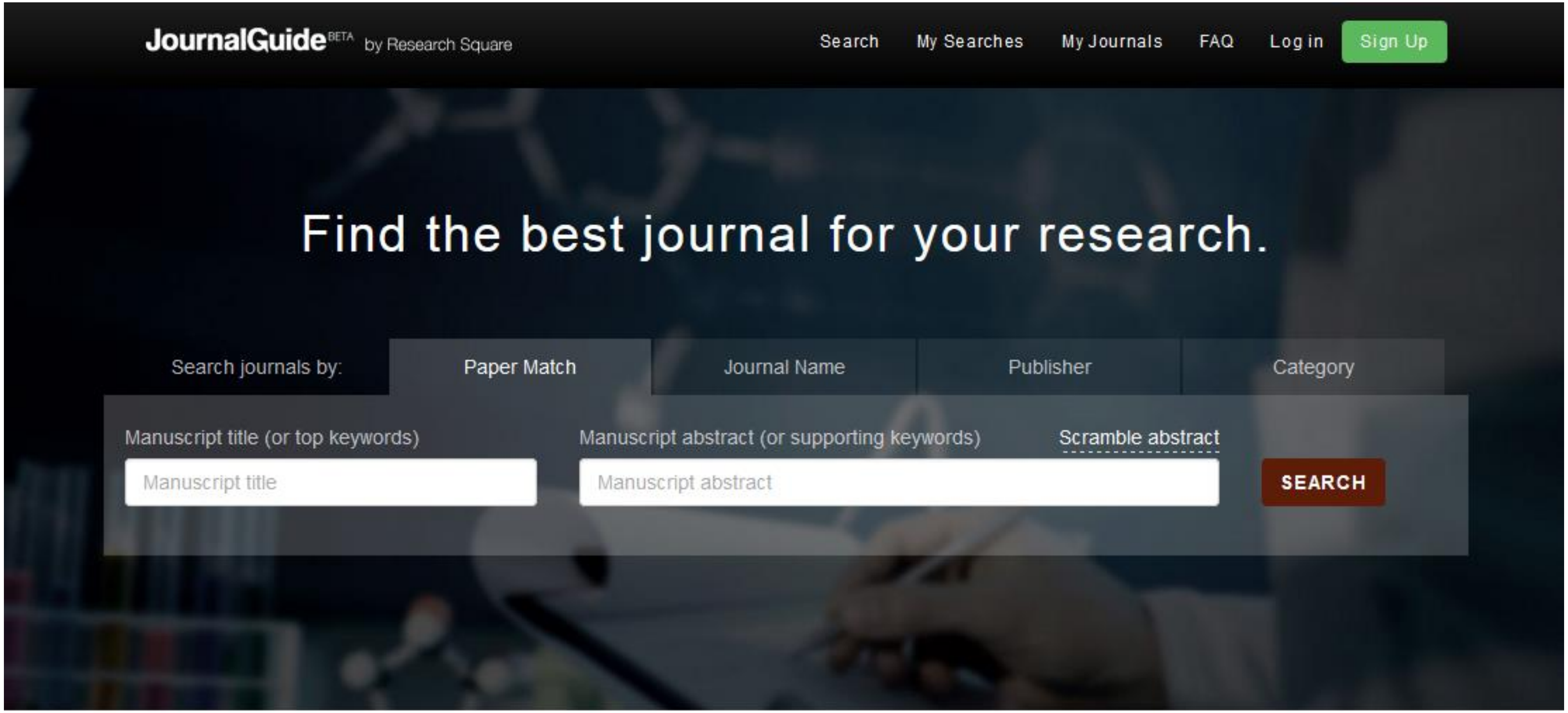
Make a Decision

Access detailed information about the journal to make a more informed decision.

Journal Guide

https://www.journalguide.com/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Publisher
Category
Scramble abstract
SEARCH

Find the best journal for your research.

Manuscript title (or top keywords): Manuscript title

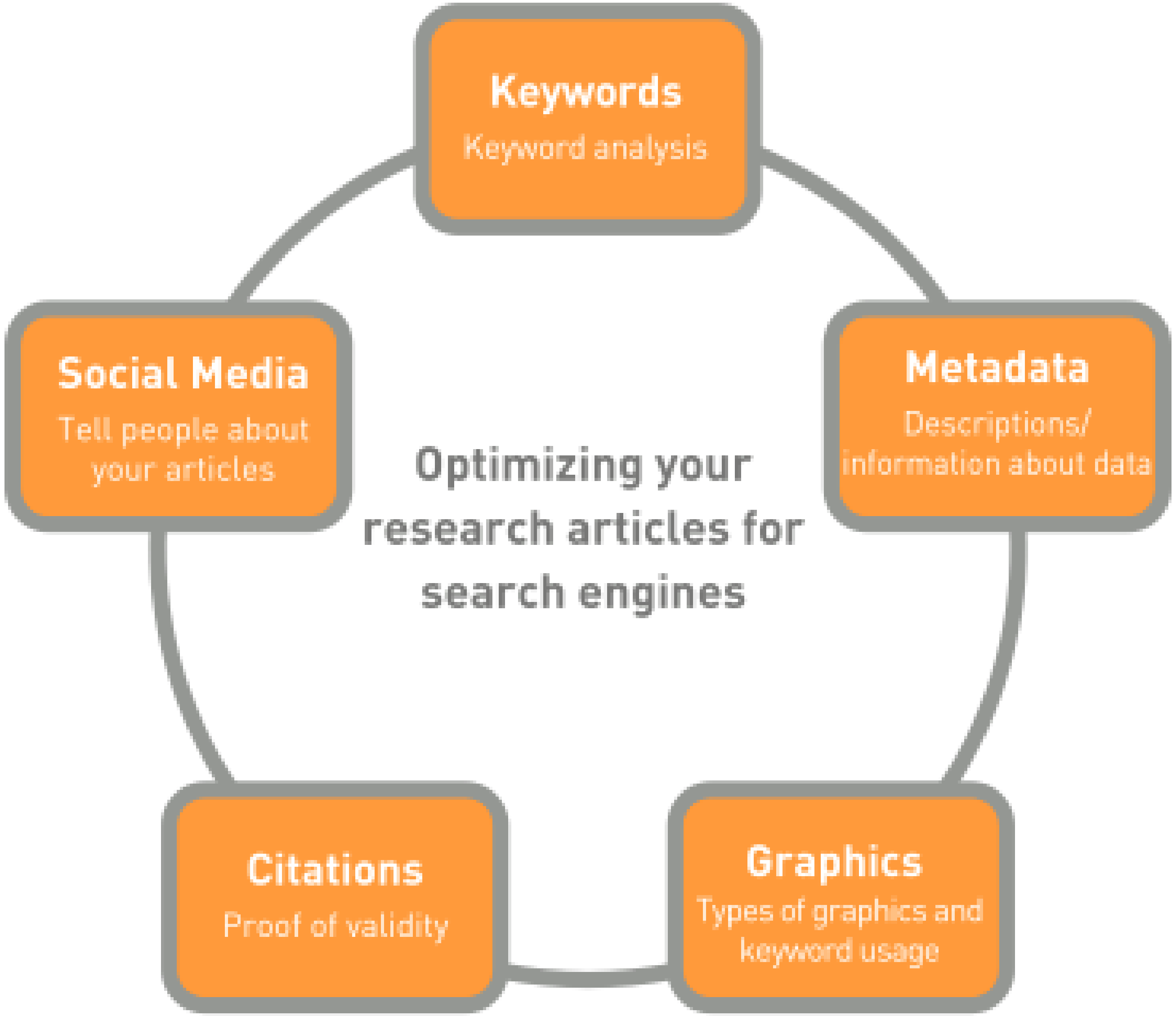
Manuscript abstract (or supporting keywords): Manuscript abstract

Data update: Journal Impact Factor is not currently displayed on JournalGuide. Read more here.

Optimizing articles for search-engines (SEO)

- Although search engine optimization (SEO) is usually associated with websites and webpages, it can be used for scientific articles as well.
- Not only to ensure that articles are found (crawled) and indexed, but also to influence the position where the articles are displayed in the results list.
- Just like any other type of ranked search results, articles displayed in top positions are more likely to be read and cited.

How to SEO your articles



Keywords

Keyword analysis

Metadata

Descriptions/ information about data

Graphics

Types of graphics and keyword usage

Citations

Proof of validity

Social Media

Tell people about your articles

Optimizing your research articles for search engines

Pre-Publication (Pre-Research Execution)

- Use Alternative and/or parallel publishing channels, such as Pre-print Services and Pre-print Servers to generate feedback and interest in your publication (e.g. arXiv.org e-print service and others)

Research Impact Story

- Pre-Research Execution
- Post-Research Execution

- Pre-Publication
- Post-Publication

Business Plan for Your Article

- Pre-Publication
  - Preparing your article
  - Publishing your article

- Post-Publication
  - Promoting your published article
  - Monitoring your article

Promoting your published article

Post-Publication (Post-Research Execution)

- Writing and publishing your scholarly article is not the final step. You must Market your research.
- To maximize your research impact, you must inform everyone in your academic and social networks about it.
- Use social media to discuss your article or study, focusing on special interest groups.

Impact & So Correlated With Visibility

- To make an impact, first you have to make yourself & your work visible.
- The more visible you are, the more probable you make an impact.
- The ways for researchers to increase their visibility and impact are different across different.

Make & Mind Your Academic Profiles

- **Use & Update Author Identifiers and Profiles:**

- ORCiD
- Google Scholar
- ResearcherID (Publons)
- Scopus Author ID
- Loop

Post-Publication (Post-Research Execution)

- Share links to your abstract or publication on Academia, LinkedIn, on your website, your academic institution’s profile page, Facebook, Twitter, etc.

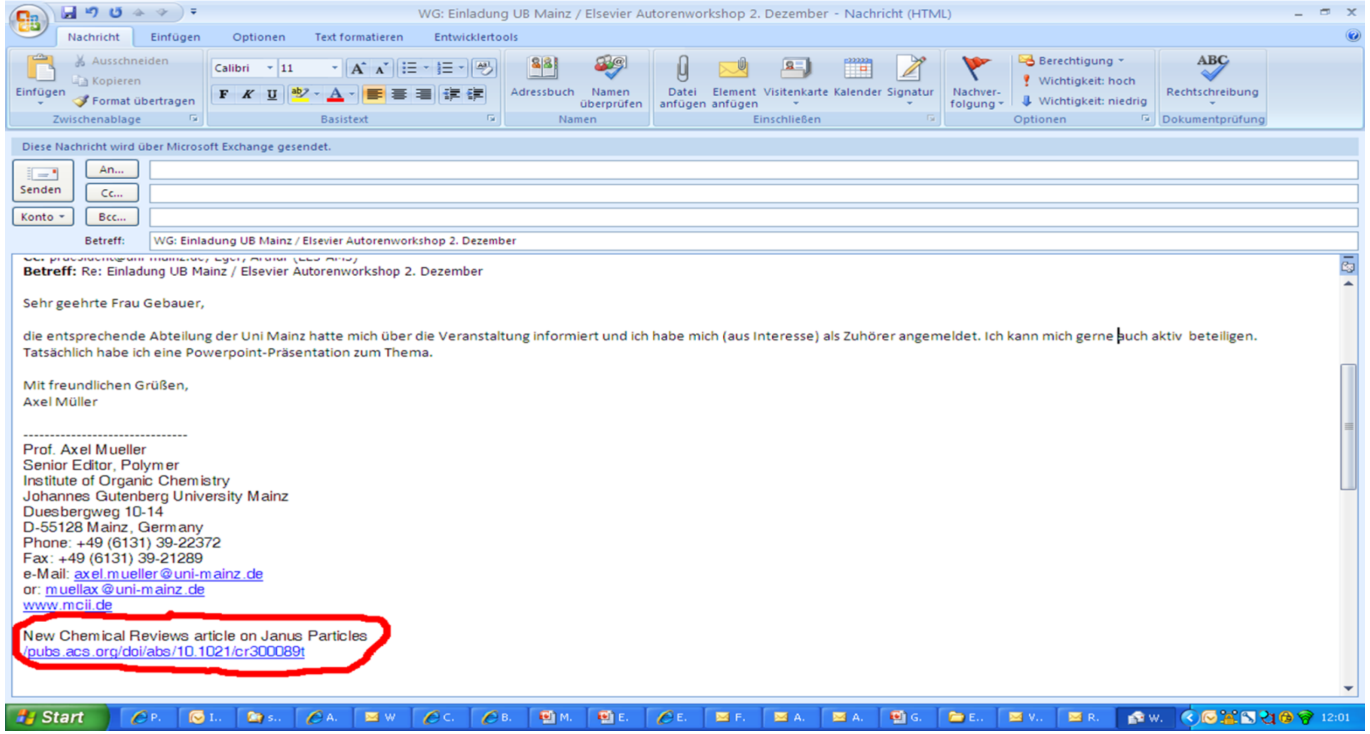
- When publisher policy permits, post your article/study (or author version) to:
  - Subject repositories, (e.g. SSRN, DOAJ, PubMed Central)
  - Mendeley, ResearchGate, Academia and elsewhere

Promoting your article

1. Press Release
2. Conferences
3. Media relations
4. Shared links to your article
5. Online CV
6. Social Networks

Share links to your article

- Customized short link with free access
- Link from university website & Emails to boost SEO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Optionen
Text formatieren
Entwicklertools
Einfügen
Ausschneiden
Kopieren
Format übertragen
Zwischenablage
Calibri
11
Basistext
Adressbuch
Namen überprüfen
Namen
Datei anfügen
Element anfügen
Visitenkarte
Kalender
Signatur
Einschließen
Nachverfolgung
Berechtigung
Wichtigkeit: hoch
Wichtigkeit: niedrig
Optionen
Rechtschreibung
Dokumentprüfung
Senden
Konto
An...
Cc...
Bcc...
Start

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Betreff: WG: Einladung UB Mainz / Elsevier Autorenworkshop 2. Dezember

Betreff: Re: Einladung UB Mainz / Elsevier Autorenworkshop 2. Dezember

Sehr geehrte Frau Gebauer,

die entsprechende Abteilung der Uni Mainz hatte mich über die Veranstaltung informiert und ich habe mich (aus Interesse) als Zuhörer angemeldet. Ich kann mich gerne auch aktiv beteiligen. Tatsächlich habe ich eine Powerpoint-Präsentation zum Thema.

Mit freundlichen Grüßen,
Axel Müller

Prof. Axel Mueller
Senior Editor, Polymer
Institute of Organic Chemistry
Johannes Gutenberg University Mainz
Duesbergweg 10-14
D-55128 Mainz, Germany
Phone: +49 (6131) 39-22372
Fax: +49 (6131) 39-21289
e-Mail: axel.mueller@uni-mainz.de
or: muellax@uni-mainz.de
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New Chemical Reviews article on Janus Particles
/pubs.acs.org/doi/abs/10.1021/cr300089t

Social Networks

Maximize your research impact of your published papers through Social Networks

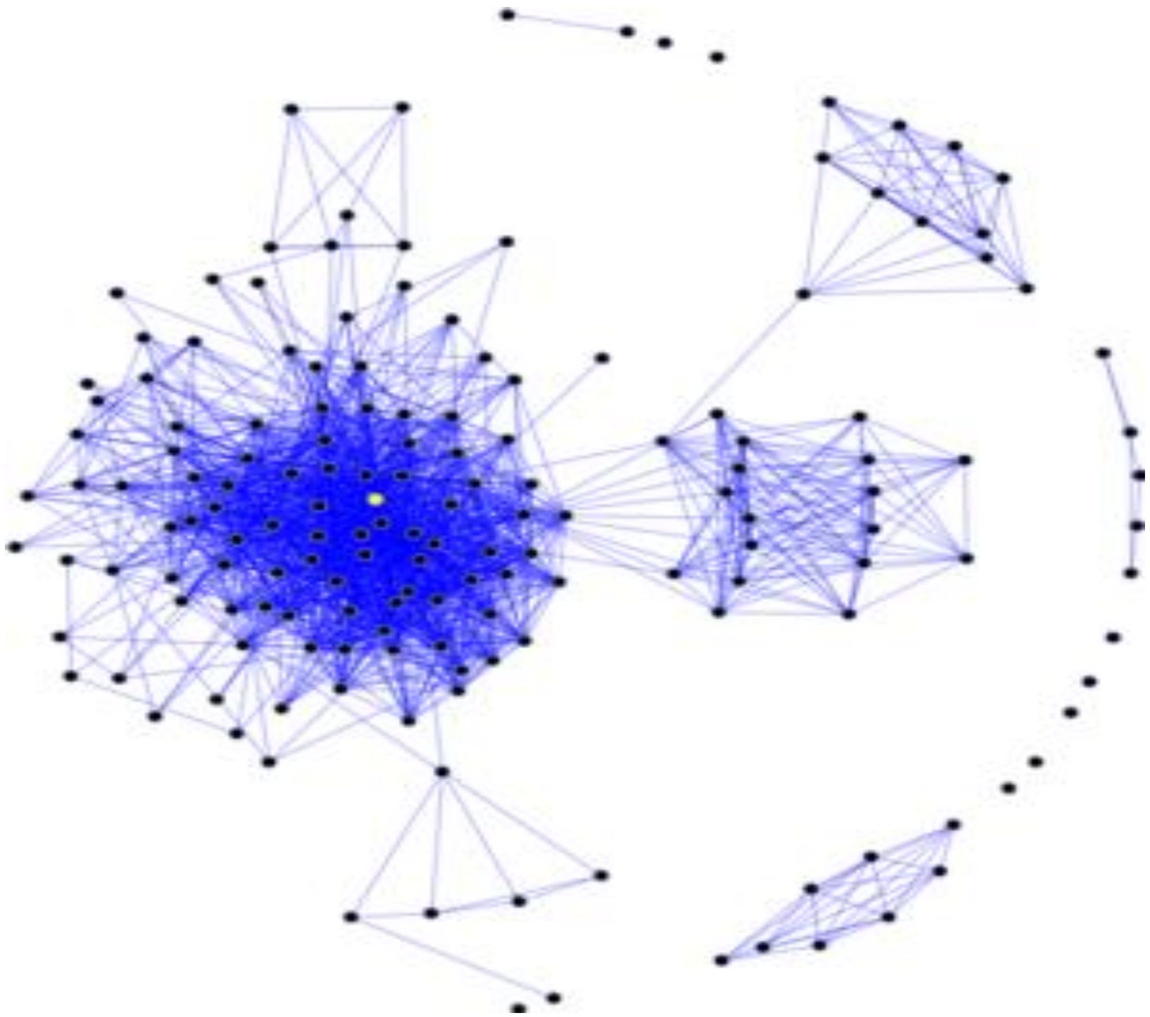
Academic Social Networks

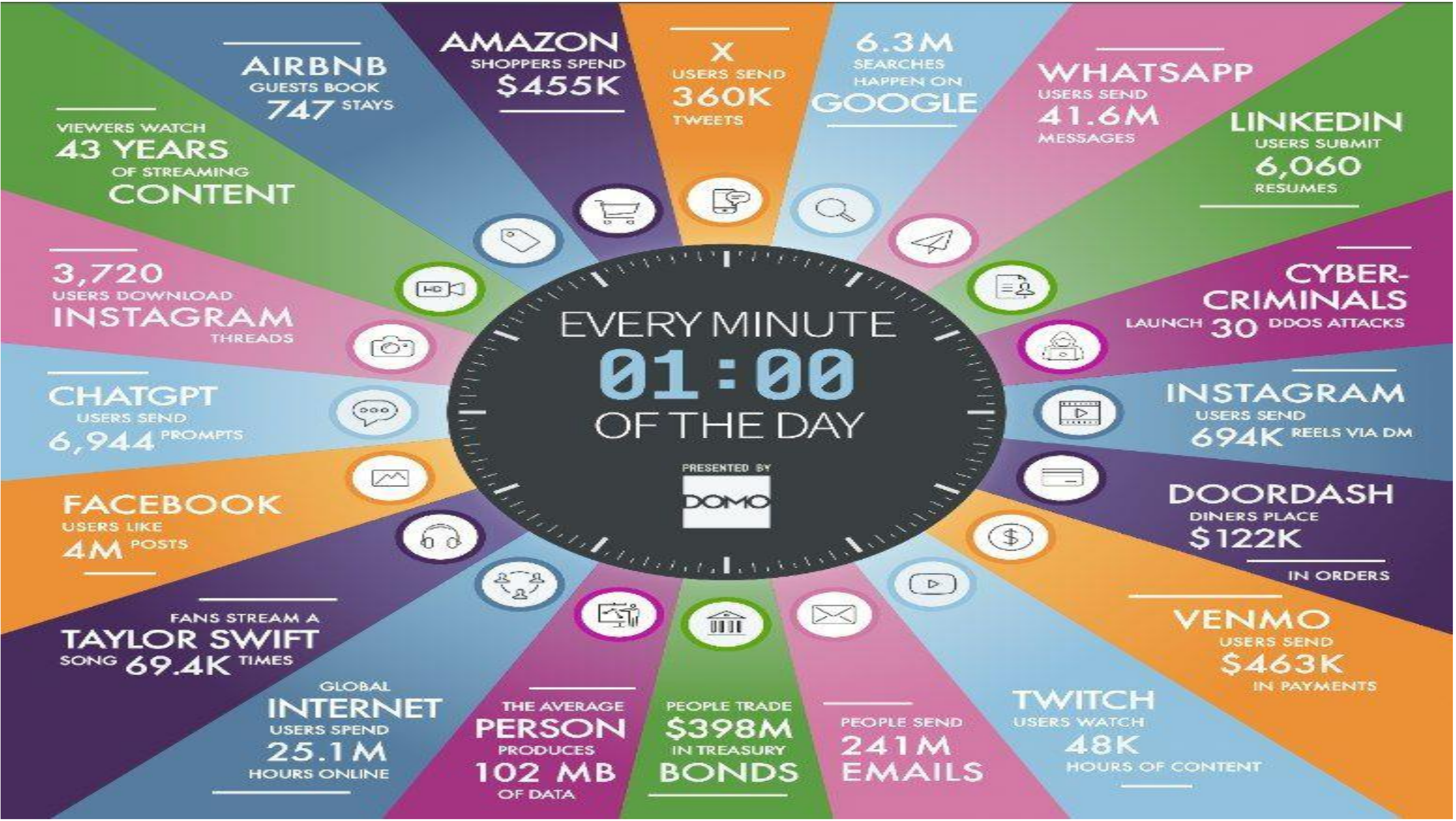
Facts Don’t Change Minds;
Social Networks,
Group Dialogue,
and Stories Do.

What is a Social Network?

- A social network is a social structure made up of individuals which are connected by one or more specific types of interdependency, such as friendship, common interest, relationships of beliefs, knowledge or prestige.

Social Network Analysis





EVERY MINUTE
01:00
OF THE DAY

PRESENTED BY
DOMO

AIRBNB
GUESTS BOOK
747 STAYS

AMAZON
SHOPPERS SPEND
$455K

X
USERS SEND
360K
TWEETS

6.3M
SEARCHES
HAPPEN ON
GOOGLE

WHATSAPP
USERS SEND
41.6M
MESSAGES

LINKEDIN
USERS SUBMIT
6,060
RESUMES

CYBER-CRIMINALS
LAUNCH 30 DDOS ATTACKS

INSTAGRAM
USERS SEND
694K REELS VIA DM

DOORDASH
DINERS PLACE
$122K
IN ORDERS

VENMO
USERS SEND
$463K
IN PAYMENTS

TWITCH
USERS WATCH
48K
HOURS OF CONTENT

PEOPLE SEND
241M
EMAILS

PEOPLE TRADE
$398M
IN TREASURY
BONDS

THE AVERAGE
PERSON
PRODUCES
102 MB
OF DATA

GLOBAL
INTERNET
USERS SPEND
25.1M
HOURS ONLINE

FANS STREAM A
TAYLOR SWIFT
SONG 69.4K TIMES

FACEBOOK
USERS LIKE
4M POSTS

CHATGPT
USERS SEND
6,944 PROMPTS

3,720
USERS DOWNLOAD
INSTAGRAM
THREADS

VIEWERS WATCH
43 YEARS
OF STREAMING
CONTENT

SOCIAL MEDIA AND ACADEMIA

	X/TWITTER	**BLUESKY**	**LINKEDIN**	**MASTODON**	**THREADS**
Users	550m	1.7m	310m	1.8m	8m
Business adoption	✓		✓		✓
Mobile app	✓	✓	✓	✓	✓
Web version	✓	✓	✓	✓	✓
Threaded posts	✓				✓
Scheduling posts	✓		✓		
Multimedia posts	▶ 🖼 GIF	🖼	▶ 🖼 GIF	▶ 🖼 GIF	▶ 🖼 GIF
Character length	280 Free version	300	3000	500	500
Direct Messages DMs may require connection between users	✉		✉	✉	✉

Data source: Wikipedia (accessed 1st November 2023)

linktr.ee/andy_tattersall

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Examples of Social Networks

Scientific Social Networks

- http://www.researchgate.net/
- http://www.academia.edu/
- http://www.mendeley.com/

General Social Networks

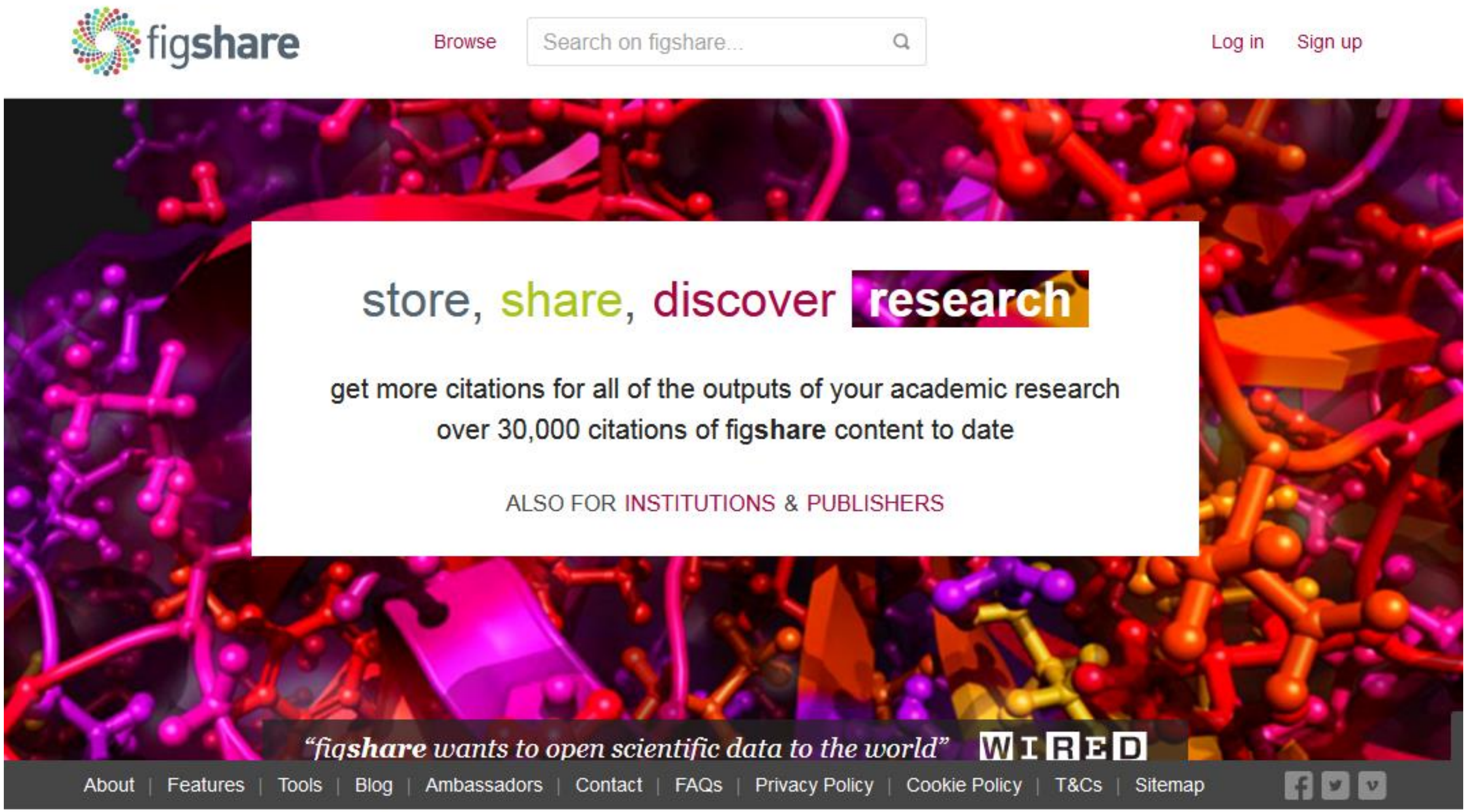
- http://www.facebook.com
- http://www.twitter.com
- http://www.linkedin.com

Share Your Profiles & Research

- **Use & Update Author Identifiers and Profiles:**

- Figshare (https://figshare.com)
- Twitter (http://twitter.com)
- Facebook (https://facebook.com)
- GitHub (https://github.com)
- Universities Repositories

Figshare (https://figshare.com/)



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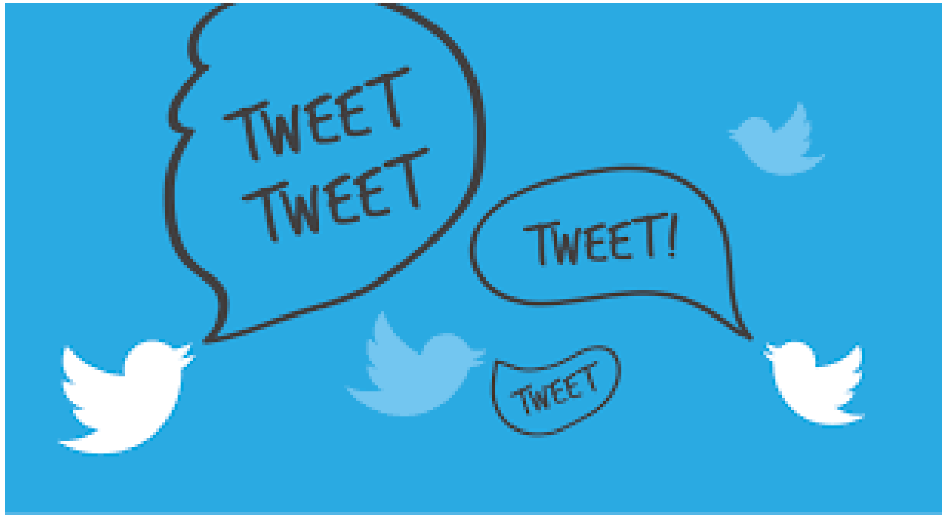
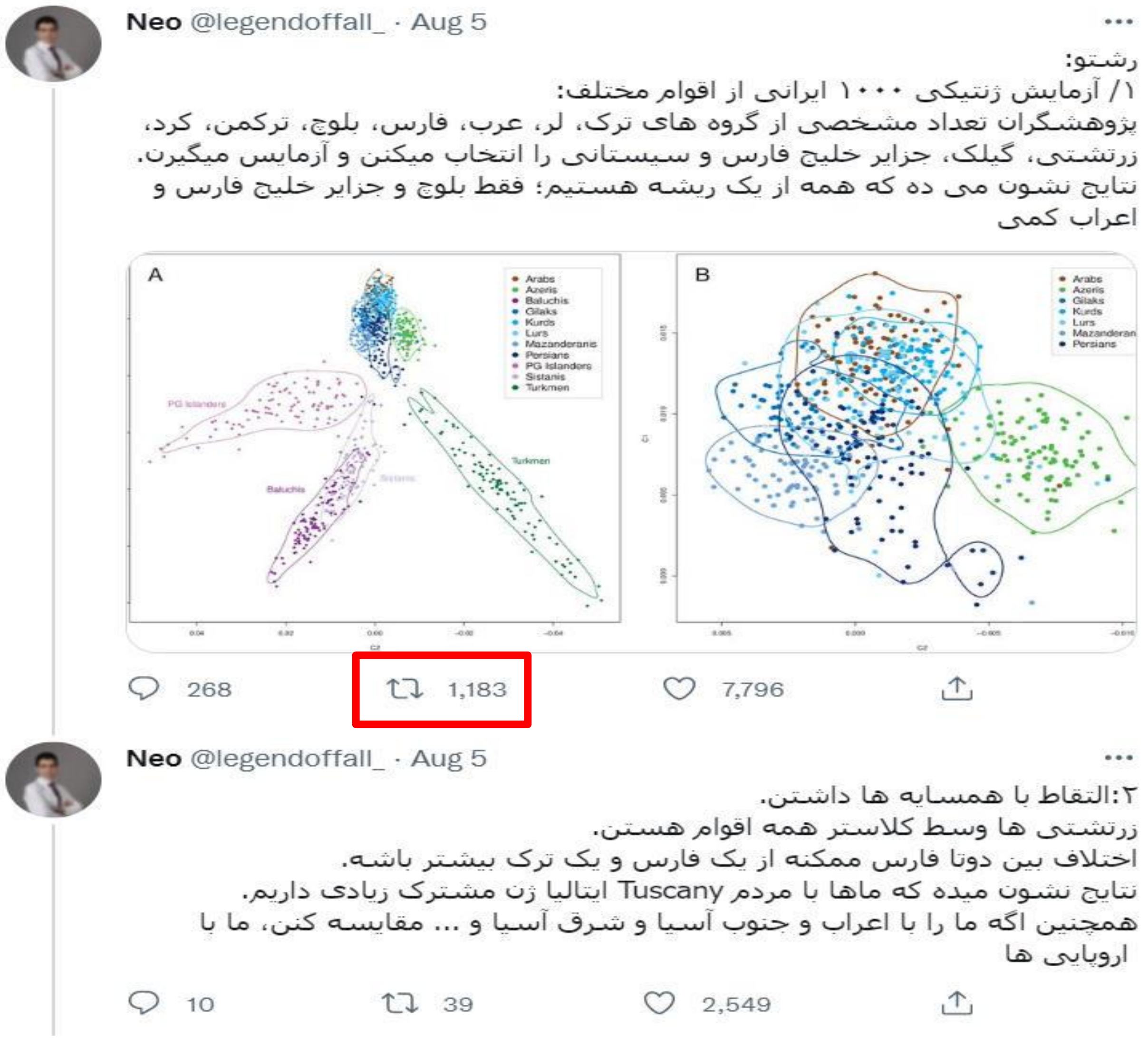

TWEET TWEET
TWEET!
TWEET

Twitter Visibility


A
Arabs
Azeris
Baluchis
Gilaks
Kurds
Lurs
Mazanderanis
Persians
PG Islanders
Sistanis
Turkmen
PG Islanders
Baluchis
Sistanis
Turkmen
B
Arabs
Azeris
Gilaks
Kurds
Lurs
Mazanderani
Persians

Neo @legendoffall_ · Aug 5

رشتو:
۱/ آزمایش ژنتیکی ۱۰۰۰ ایرانی از اقوام مختلف:
پژوهشگران تعداد مشخصی از گروه های ترک، لر، عرب، فارس، بلوچ، ترکمن، کرد، زرتشتی، گیلک، جزایر خلیج فارس و سیستانی را انتخاب میکنن و آزمایس میگیرن.
نتایج نشون می ده که همه از یک ریشه هستیم؛ فقط بلوچ و جزایر خلیج فارس و اعراب کمی

268 1,183 7,796

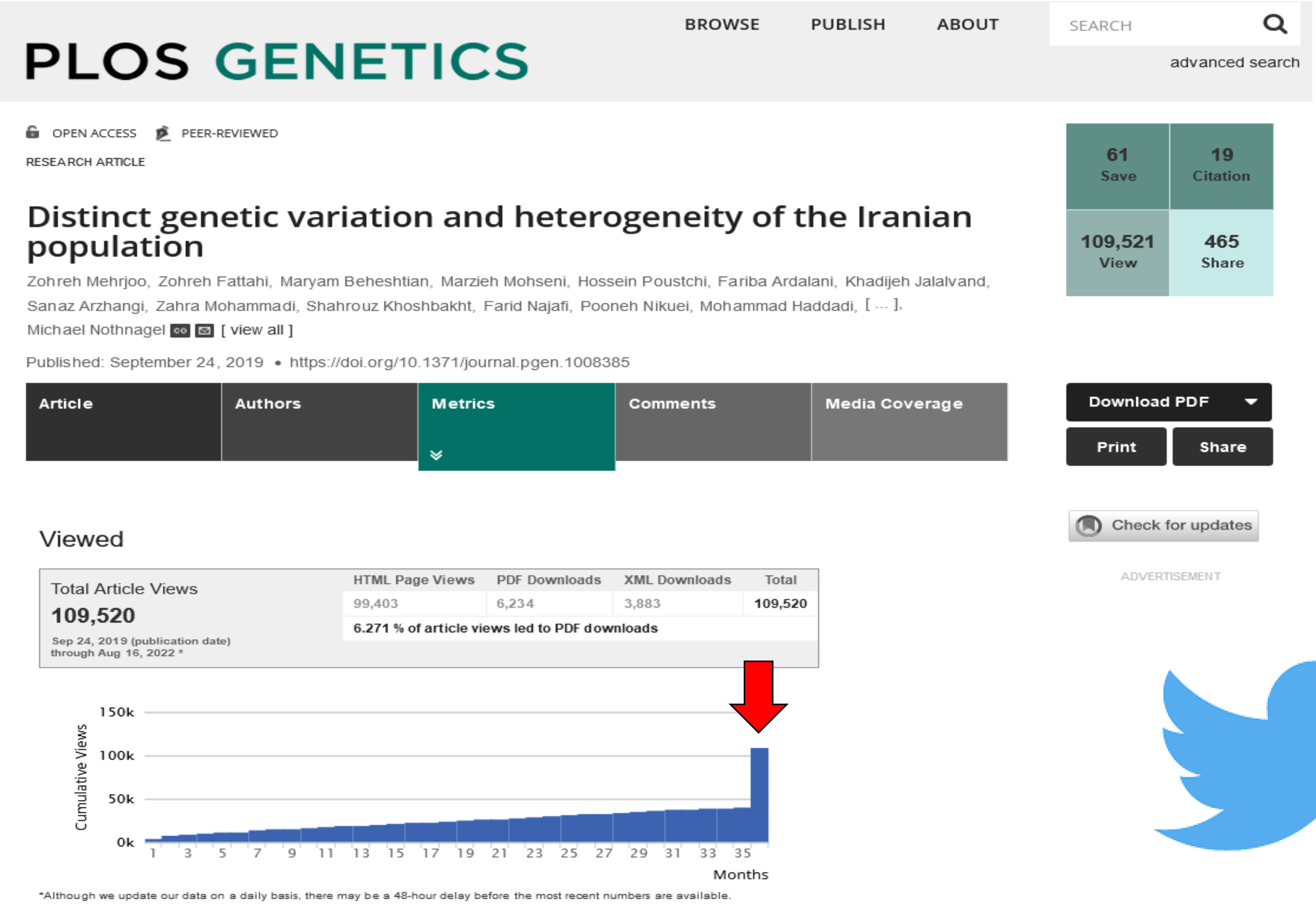
Neo @legendoffall_ · Aug 5

۲:التقاط با همسایه ها داشتن.
زرتشتی ها وسط کلاستر همه اقوام هستن.
اختلاف بین دوتا فارس ممکنه از یک فارس و یک ترک بیشتر باشه.
نتایج نشون میده که ماها با مردم Tuscany ایتالیا ژن مشترک زیادی داریم.
همچنین اگه ما را با اعراب و جنوب آسیا و شرق آسیا و ... مقایسه کنن، ما با اروپایی ها

10 39 2,549

Twitter Visibility

https://journals.plos.org/plosgenetics/article/metrics?id=10.1371/journal.pgen.1008385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RESEARCH ARTICLE

Distinct genetic variation and heterogeneity of the Iranian population

Zohreh Mehrjoo, Zohreh Fattahi, Maryam Beheshtian, Marzieh Mohseni, Hossein Poustchi, Fariba Ardalani, Khadijeh Jalalvand, Sanaz Arzhangi, Zahra Mohammadi, Shahrouz Khoshbakht, Farid Najafi, Pooneh Nikuei, Mohammad Haddadi, [...], Michael Nothnagel [view all]

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6.271 % of article views led to PDF downloads

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100k
50k
0k
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*Although we update our data on a daily basis, there may be a 48-hour delay before the most recent numbers are available.

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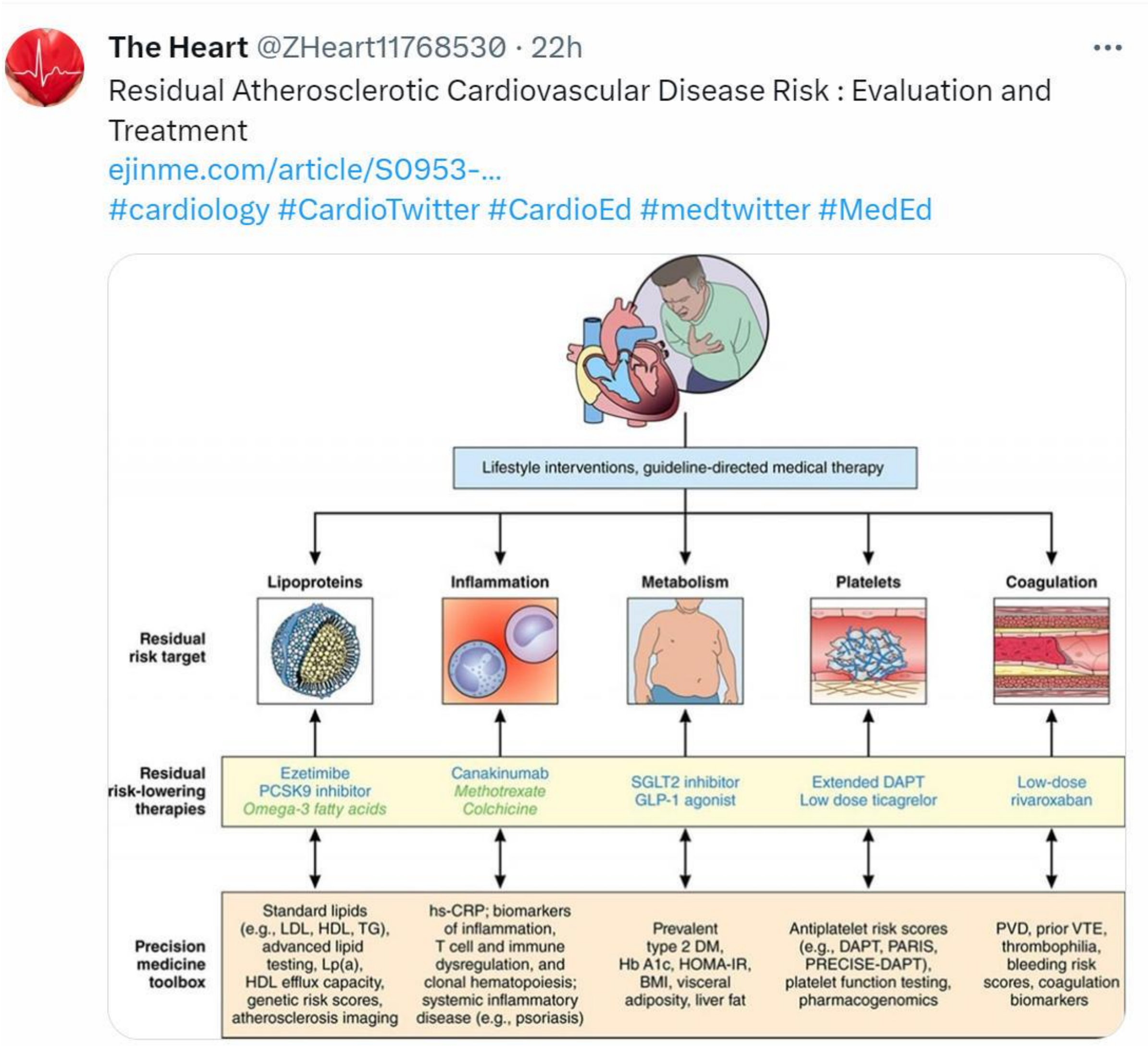
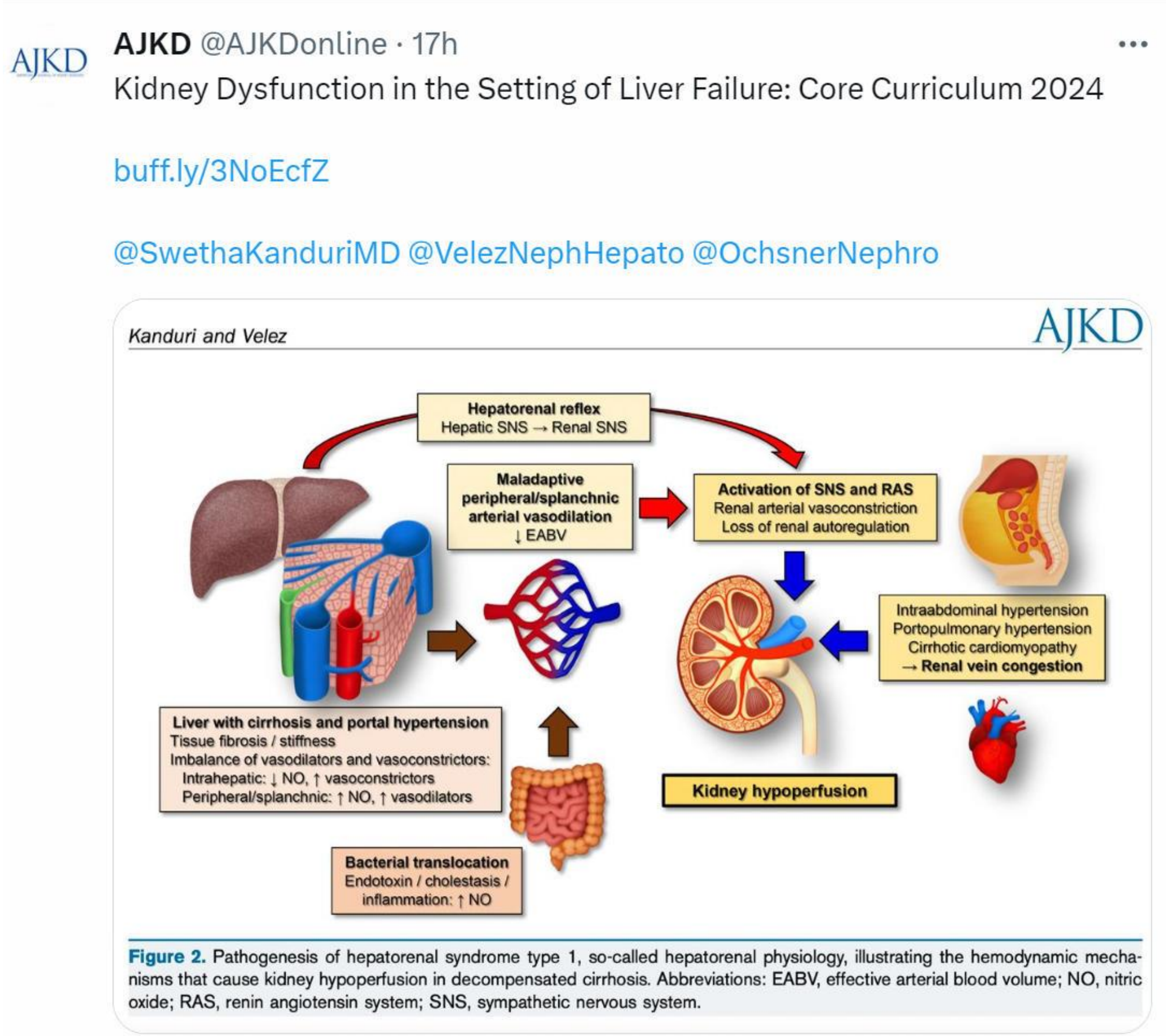


The Heart @ZHeart11768530 · 22h

Residual Atherosclerotic Cardiovascular Disease Risk : Evaluation and Treatment
ejinme.com/article/S0953-...
#cardiology #CardioTwitter #CardioEd #medtwitter #MedEd

Lifestyle interventions, guideline-directed medical therapy

	Lipoproteins	Inflammation	Metabolism	Platelets	Coagulation
Residual risk target					
Residual risk-lowering therapies	Ezetimibe PCSK9 inhibitor *Omega-3 fatty acids*	Canakinumab *Methotrexate* *Colchicine*	SGLT2 inhibitor GLP-1 agonist	Extended DAPT Low dose ticagrelor	Low-dose rivaroxaban
Precision medicine toolbox	Standard lipids (e.g., LDL, HDL, TG), advanced lipid testing, Lp(a), HDL efflux capacity, genetic risk scores, atherosclerosis imaging	hs-CRP; biomarkers of inflammation, T cell and immune dysregulation, and clonal hematopoiesis; systemic inflammatory disease (e.g., psoriasis)	Prevalent type 2 DM, Hb A1c, HOMA-IR, BMI, visceral adiposity, liver fat	Antiplatelet risk scores (e.g., DAPT, PARIS, PRECISE-DAPT), platelet function testing, pharmacogenomics	PVD, prior VTE, thrombophilia, bleeding risk scores, coagulation biomarkers



AJKD @AJKDonline · 17h

Kidney Dysfunction in the Setting of Liver Failure: Core Curriculum 2024

buff.ly/3NoEcfZ

@SwethaKanduriMD @VelezNephHepato @OchsnerNephro

Kanduri and Velez

AJKD
Hepatorenal reflex
Hepatic SNS → Renal SNS
Maladaptive peripheral/splanchnic arterial vasodilation
↓ EABV
Activation of SNS and RAS
Renal arterial vasoconstriction
Loss of renal autoregulation
Intraabdominal hypertension
Portopulmonary hypertension
Cirrhotic cardiomyopathy
→ Renal vein congestion
Liver with cirrhosis and portal hypertension
Tissue fibrosis / stiffness
Imbalance of vasodilators and vasoconstrictors:
Intrahepatic: ↓ NO, ↑ vasoconstrictors
Peripheral/splanchnic: ↑ NO, ↑ vasodilators
Kidney hypoperfusion
Bacterial translocation
Endotoxin / cholestasis / inflammation: ↑ NO

Figure 2. Pathogenesis of hepatorenal syndrome type 1, so-called hepatorenal physiology, illustrating the hemodynamic mechanisms that cause kidney hypoperfusion in decompensated cirrhosis. Abbreviations: EABV, effective arterial blood volume; NO, nitric oxide; RAS, renin angiotensin system; SNS, sympathetic nervous system.

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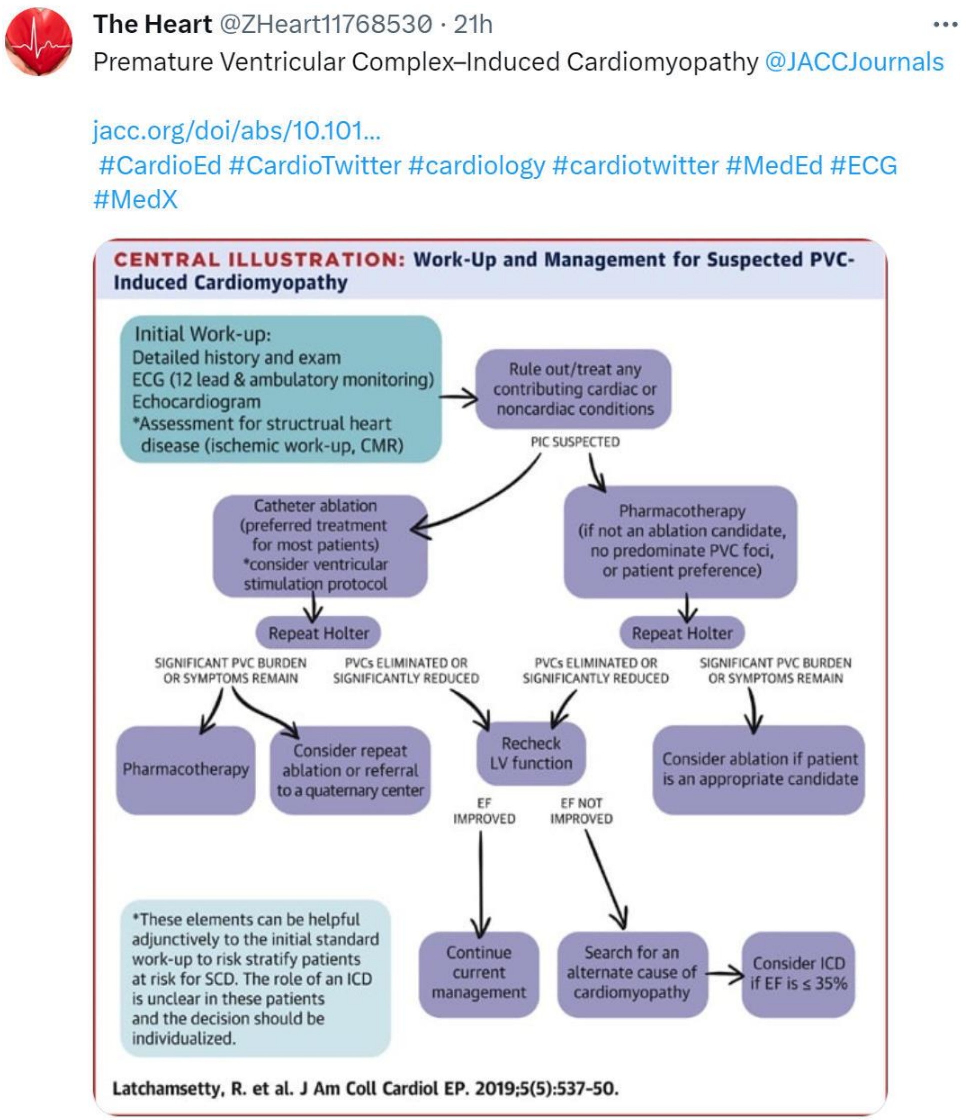


The Heart @ZHeart11768530 · 21h

Premature Ventricular Complex–Induced Cardiomyopathy @JACCJournals

jacc.org/doi/abs/10.101...
#CardioEd #CardioTwitter #cardiology #cardiotwitter #MedEd #ECG #MedX

CENTRAL ILLUSTRATION: Work-Up and Management for Suspected PVC-Induced Cardiomyopathy

Initial Work-up:
Detailed history and exam
ECG (12 lead & ambulatory monitoring)
Echocardiogram
*Assessment for structrual heart disease (ischemic work-up, CMR)

Rule out/treat any contributing cardiac or noncardiac conditions

PIC SUSPECTED

Catheter ablation (preferred treatment for most patients) *consider ventricular stimulation protocol

Pharmacotherapy (if not an ablation candidate, no predominate PVC foci, or patient preference)

Repeat Holter

Repeat Holter

SIGNIFICANT PVC BURDEN OR SYMPTOMS REMAIN

PVCs ELIMINATED OR SIGNIFICANTLY REDUCED

PVCs ELIMINATED OR SIGNIFICANTLY REDUCED

SIGNIFICANT PVC BURDEN OR SYMPTOMS REMAIN

Pharmacotherapy

Consider repeat ablation or referral to a quaternary center

Recheck LV function

Consider ablation if patient is an appropriate candidate

EF IMPROVED

EF NOT IMPROVED

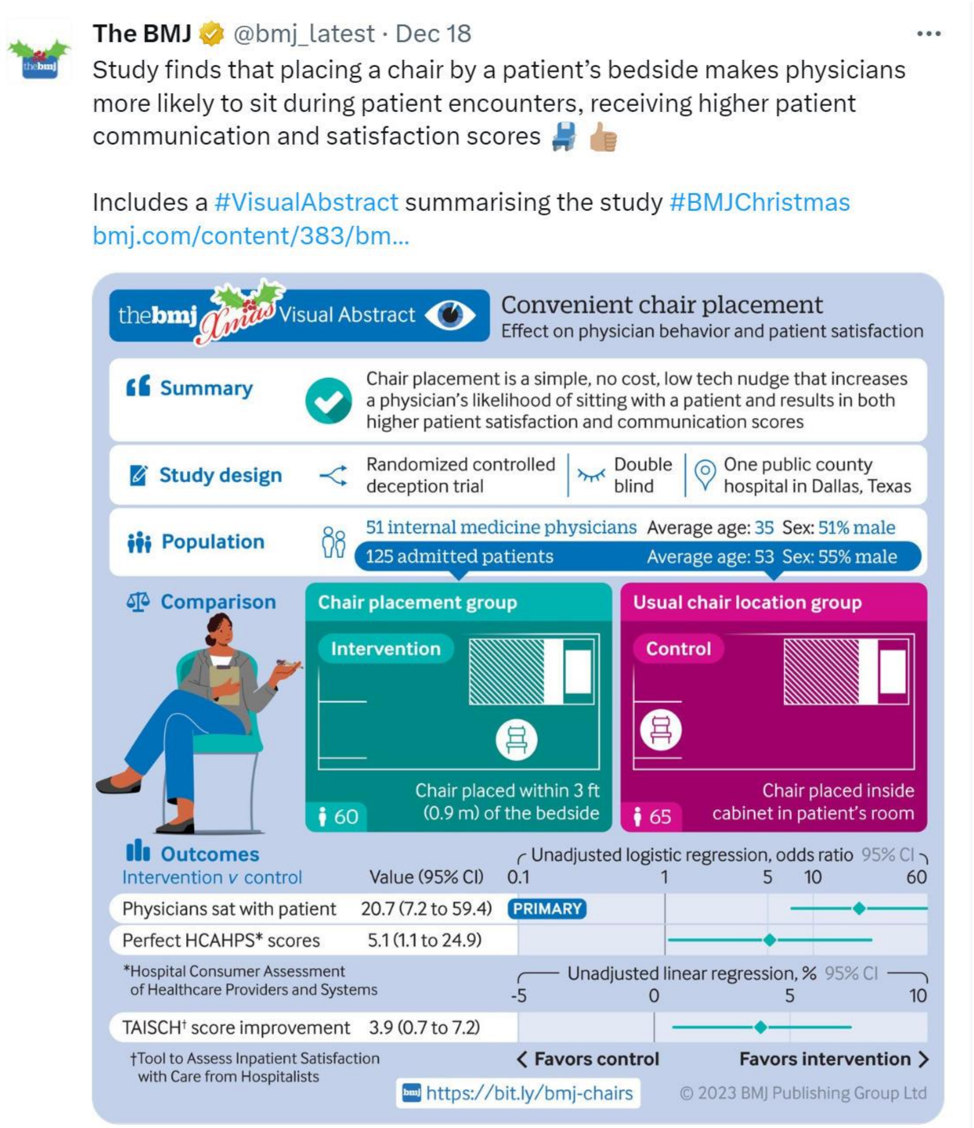
Continue current management

Search for an alternate cause of cardiomyopathy

Consider ICD if EF is ≤ 35%

*These elements can be helpful adjunctively to the initial standard work-up to risk stratify patients at risk for SCD. The role of an ICD is unclear in these patients and the decision should be individualized.

Latchamsetty, R. et al. J Am Coll Cardiol EP. 2019;5(5):537-50.



The BMJ @bmj_latest · Dec 18

Study finds that placing a chair by a patient's bedside makes physicians more likely to sit during patient encounters, receiving higher patient communication and satisfaction scores 💺👍

Includes a #VisualAbstract summarising the study #BMJChristmas
bmj.com/content/383/bm...

thebmj Xmas Visual Abstract

Convenient chair placement
Effect on physician behavior and patient satisfaction

Summary — Chair placement is a simple, no cost, low tech nudge that increases a physician's likelihood of sitting with a patient and results in both higher patient satisfaction and communication scores

Study design — Randomized controlled deception trial | Double blind | One public county hospital in Dallas, Texas

Population — 51 internal medicine physicians Average age: 35 Sex: 51% male
125 admitted patients Average age: 53 Sex: 55% male

Comparison

Chair placement group — Intervention — 60 — Chair placed within 3 ft (0.9 m) of the bedside

Usual chair location group — Control — 65 — Chair placed inside cabinet in patient's room

Outcomes

Intervention v control	Value (95% CI)	
Physicians sat with patient	20.7 (7.2 to 59.4)	PRIMARY
Perfect HCAHPS* scores	5.1 (1.1 to 24.9)	
TAISCH† score improvement	3.9 (0.7 to 7.2)	

Unadjusted logistic regression, odds ratio 95% CI: 0.1, 1, 5, 10, 60

Unadjusted linear regression, % 95% CI: -5, 0, 5, 10

*Hospital Consumer Assessment of Healthcare Providers and Systems

†Tool to Assess Inpatient Satisfaction with Care from Hospitalists

< Favors control   Favors intervention >

https://bit.ly/bmj-chairs

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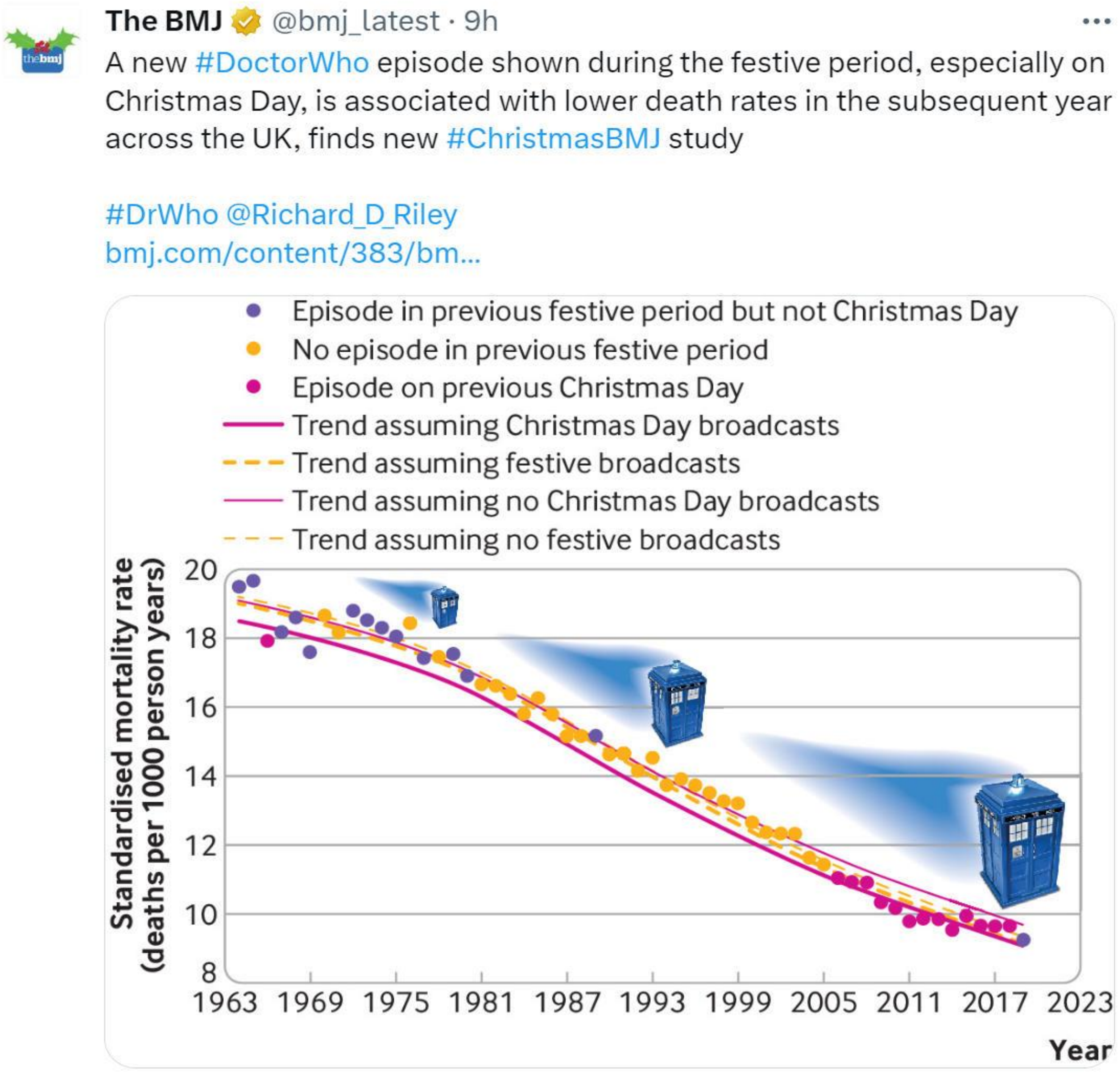
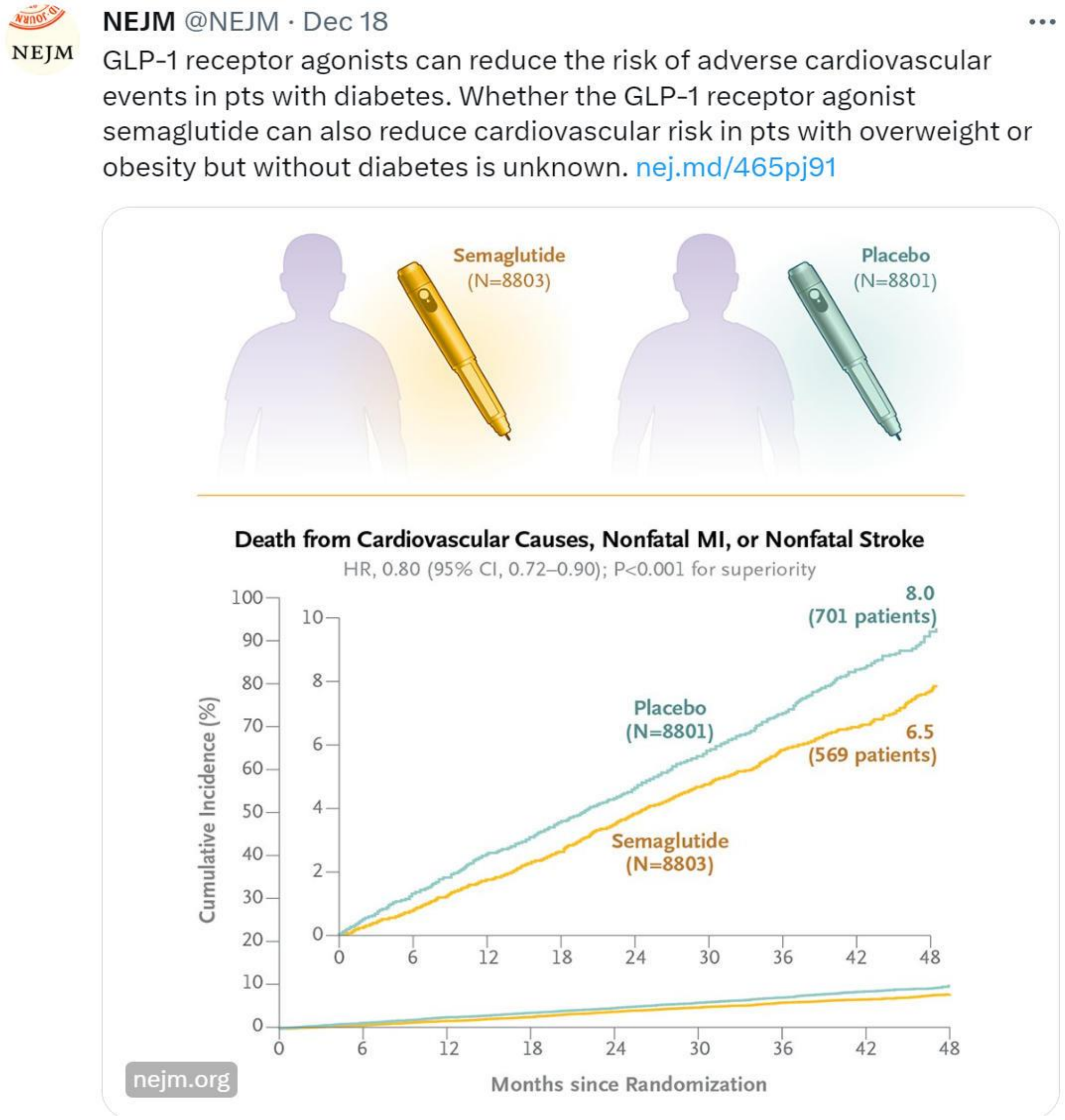


The BMJ @bmj_latest · 9h

A new #DoctorWho episode shown during the festive period, especially on Christmas Day, is associated with lower death rates in the subsequent year across the UK, finds new #ChristmasBMJ study

#DrWho @Richard_D_Riley
bmj.com/content/383/bm...

● Episode in previous festive period but not Christmas Day
● No episode in previous festive period
● Episode on previous Christmas Day
Trend assuming Christmas Day broadcasts
Trend assuming festive broadcasts
Trend assuming no Christmas Day broadcasts
Trend assuming no festive broadcasts
Standardised mortality rate (deaths per 1000 person years)
20
18
16
14
12
10
8
1963
1969
1975
1981
1987
1993
1999
2005
2011
2017
2023
Year



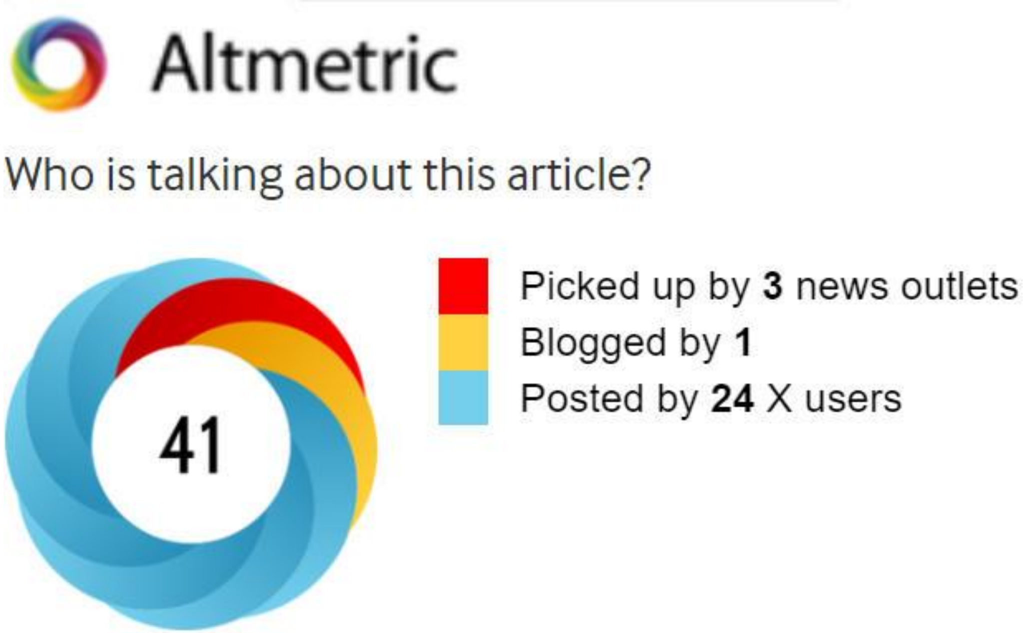
NEJM @NEJM · Dec 18

GLP-1 receptor agonists can reduce the risk of adverse cardiovascular events in pts with diabetes. Whether the GLP-1 receptor agonist semaglutide can also reduce cardiovascular risk in pts with overweight or obesity but without diabetes is unknown. nej.md/465pj91

Semaglutide (N=8803)
Placebo (N=8801)
Death from Cardiovascular Causes, Nonfatal MI, or Nonfatal Stroke
HR, 0.80 (95% CI, 0.72–0.90); P<0.001 for superiority
Cumulative Incidence (%)
100
90
80
70
60
50
40
30
20
10
0
10
8
6
4
2
0
8.0 (701 patients)
Placebo (N=8801)
6.5 (569 patients)
Semaglutide (N=8803)
0
6
12
18
24
30
36
42
48
Months since Randomization
nejm.org

Bug in a mug: are hospital coffee machines transmitting pathogens?

BMJ 2023; 383 doi: https://doi.org/10.1136/bmj.p2564 (Published 18 December 2023)Cite this as: *BMJ* 2023;383:p2564



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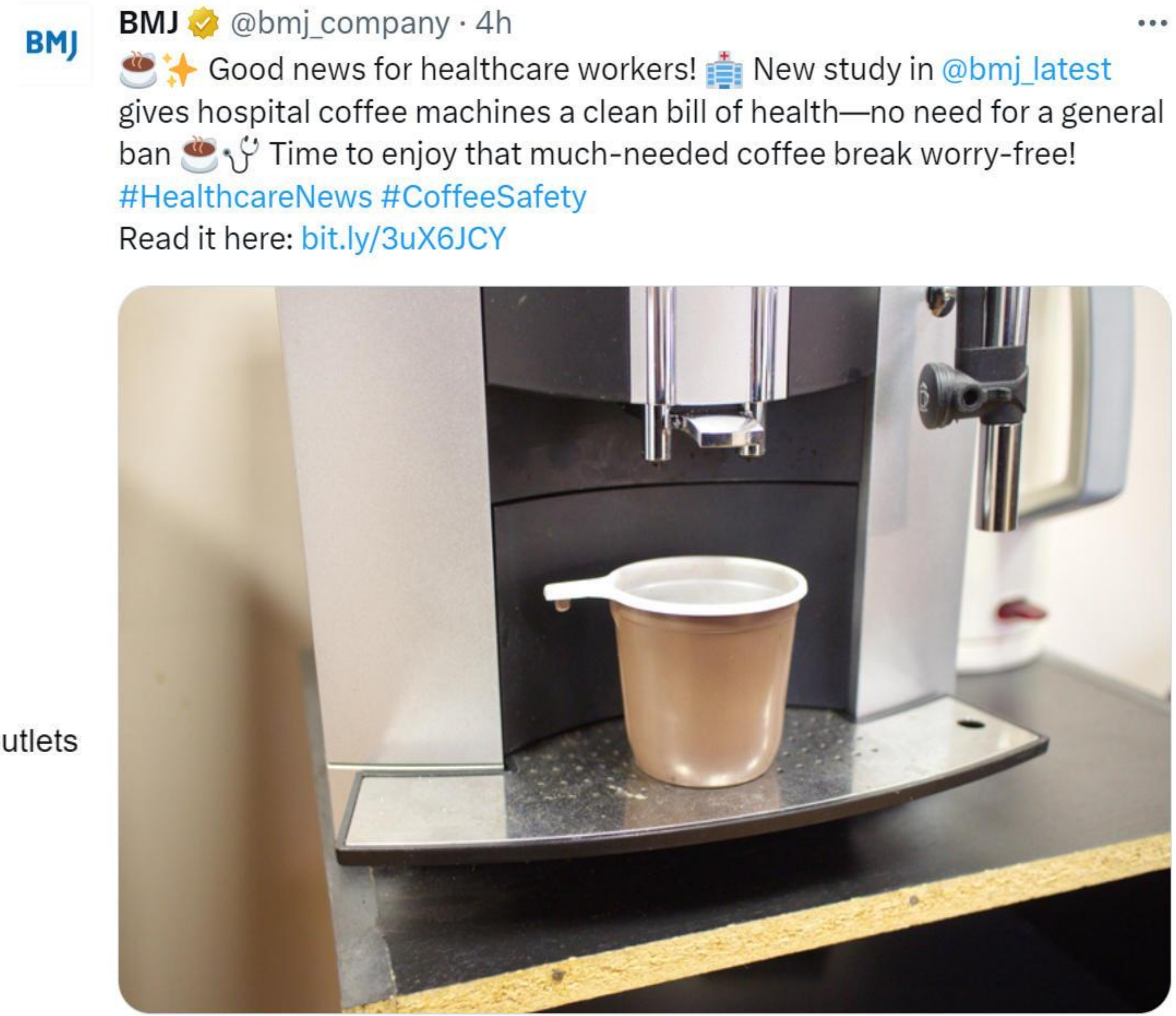

BMJ @bmj_company · 4h

☕✨ Good news for healthcare workers! 🏥 New study in @bmj_latest gives hospital coffee machines a clean bill of health—no need for a general ban ☕🩺 Time to enjoy that much-needed coffee break worry-free! #HealthcareNews #CoffeeSafety

Read it here: bit.ly/3uX6JCY

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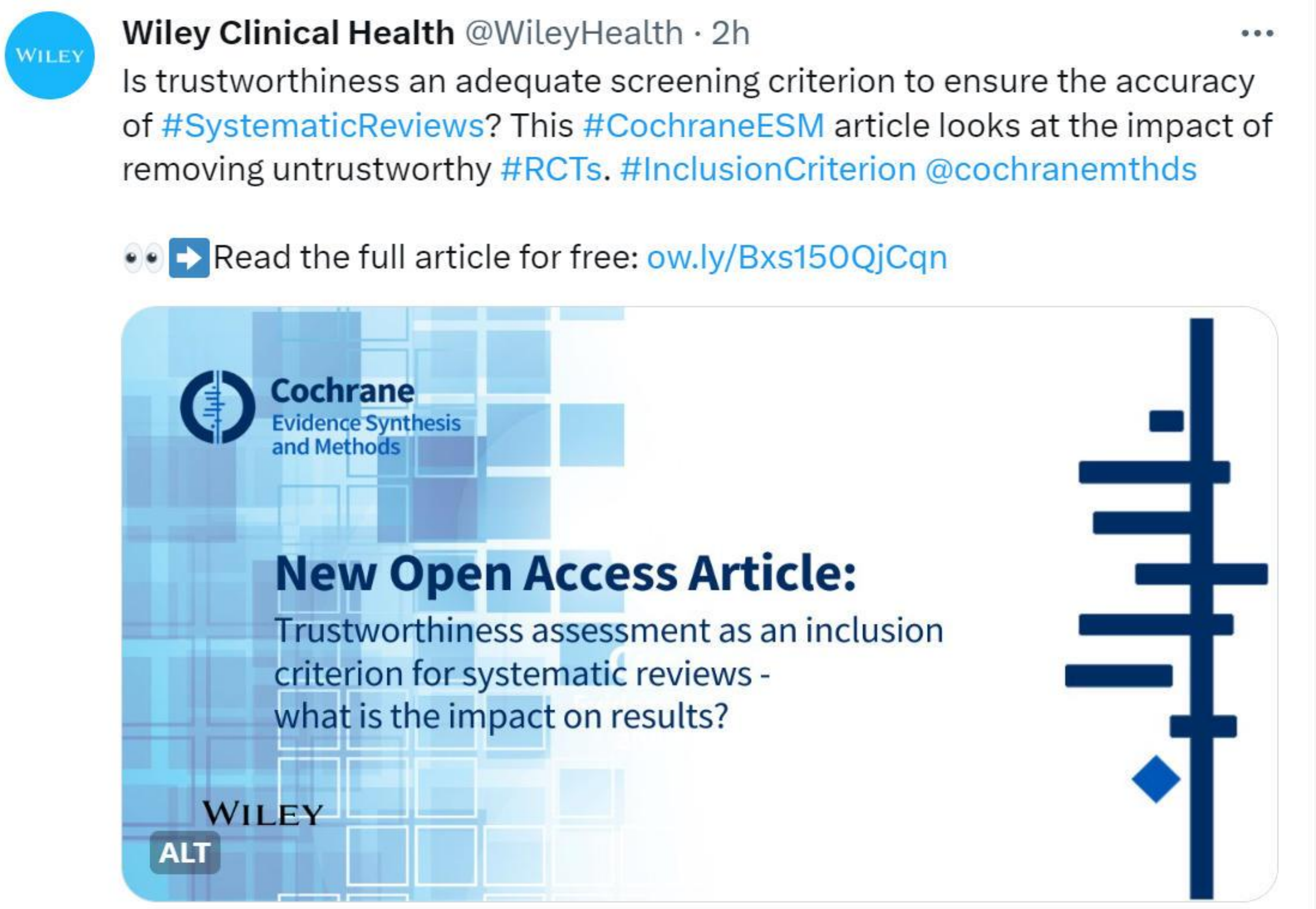

Wiley Clinical Health @WileyHealth · 2h

Is trustworthiness an adequate screening criterion to ensure the accuracy of #SystematicReviews? This #CochraneESM article looks at the impact of removing untrustworthy #RCTs. #InclusionCriterion @cochranemthds

👀➡️Read the full article for free: ow.ly/Bxs150QjCqn

Cochrane
Evidence Synthesis
and Methods

New Open Access Article:

Trustworthiness assessment as an inclusion criterion for systematic reviews - what is the impact on results?

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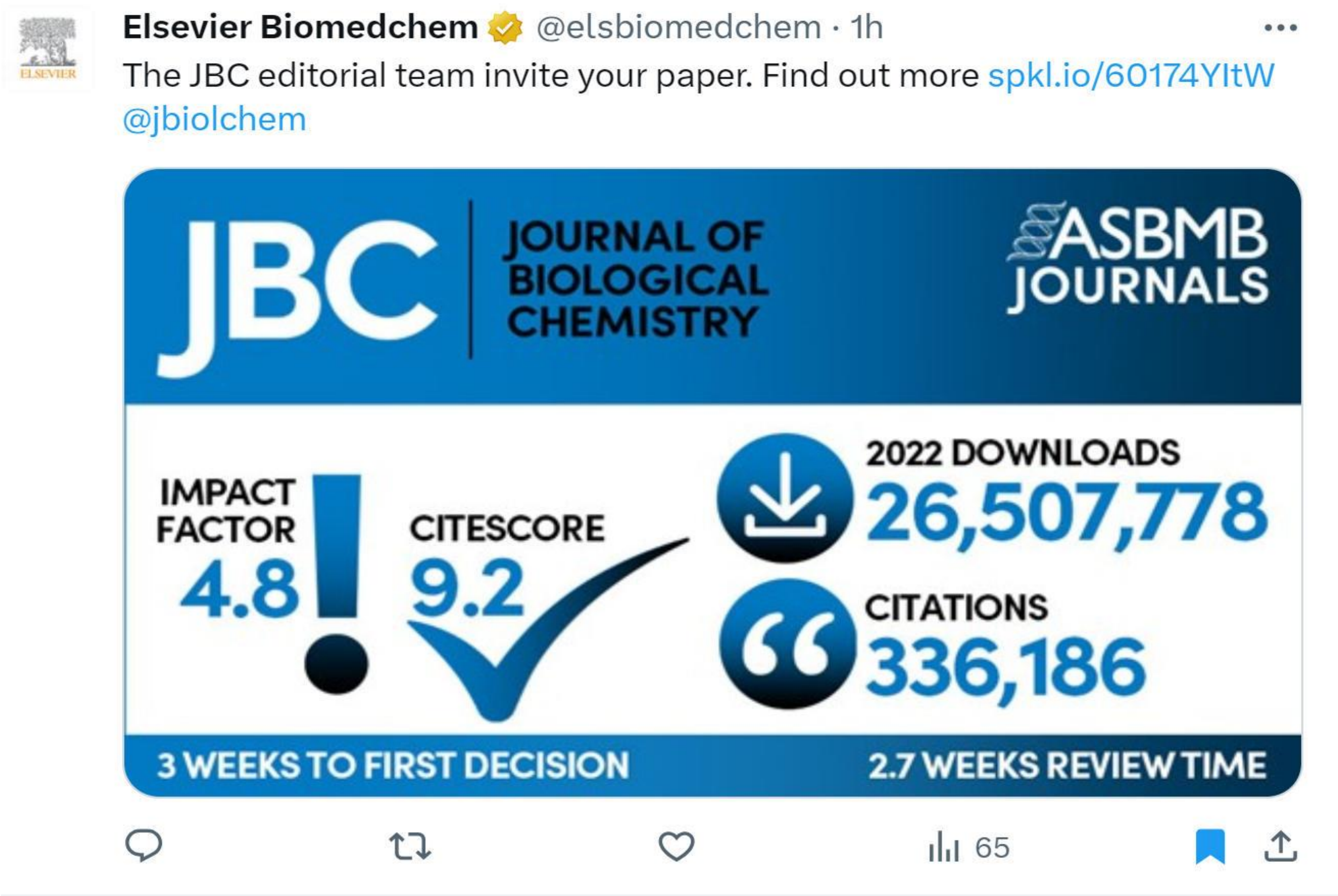

Elsevier Biomedchem @elsbiomedchem · 1h

The JBC editorial team invite your paper. Find out more spkl.io/60174YItW @jbiolchem

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2.7 WEEKS REVIEW TIME
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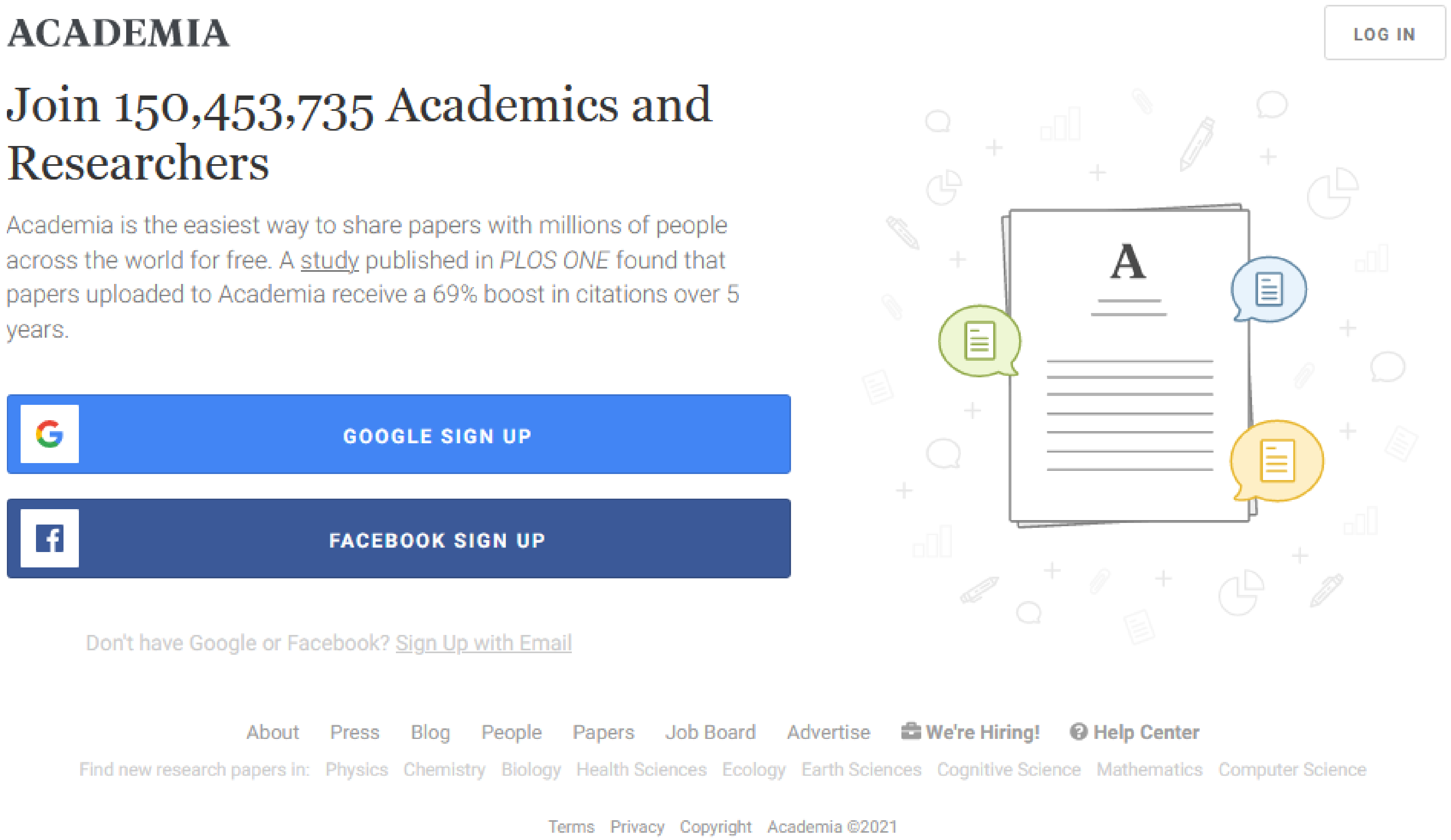

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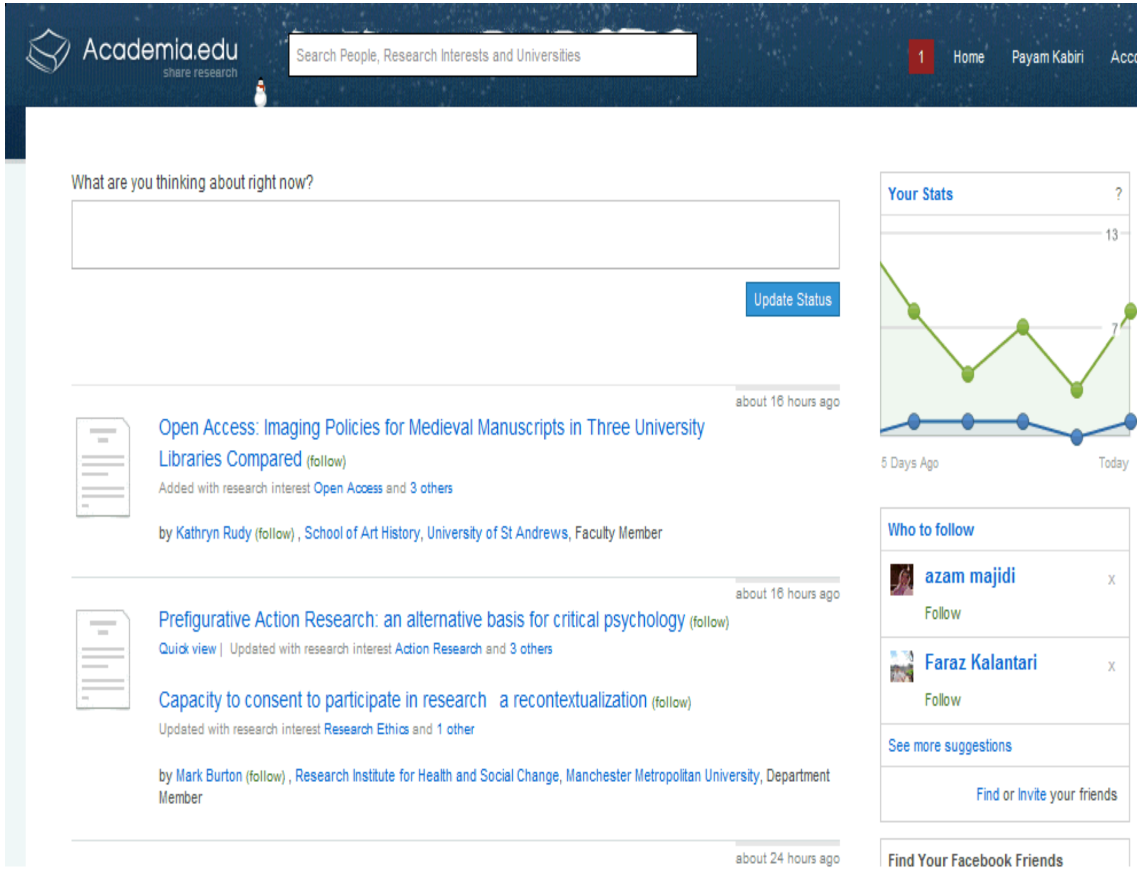
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7
5 Days Ago
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Faraz Kalantari
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x
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about 16 hours ago

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Added with research interest Open Access and 3 others

by Kathryn Rudy (follow) , School of Art History, University of St Andrews, Faculty Member

about 16 hours ago

Prefigurative Action Research: an alternative basis for critical psychology (follow)

Quick view | Updated with research interest Action Research and 3 others

Capacity to consent to participate in research a recontextualization (follow)

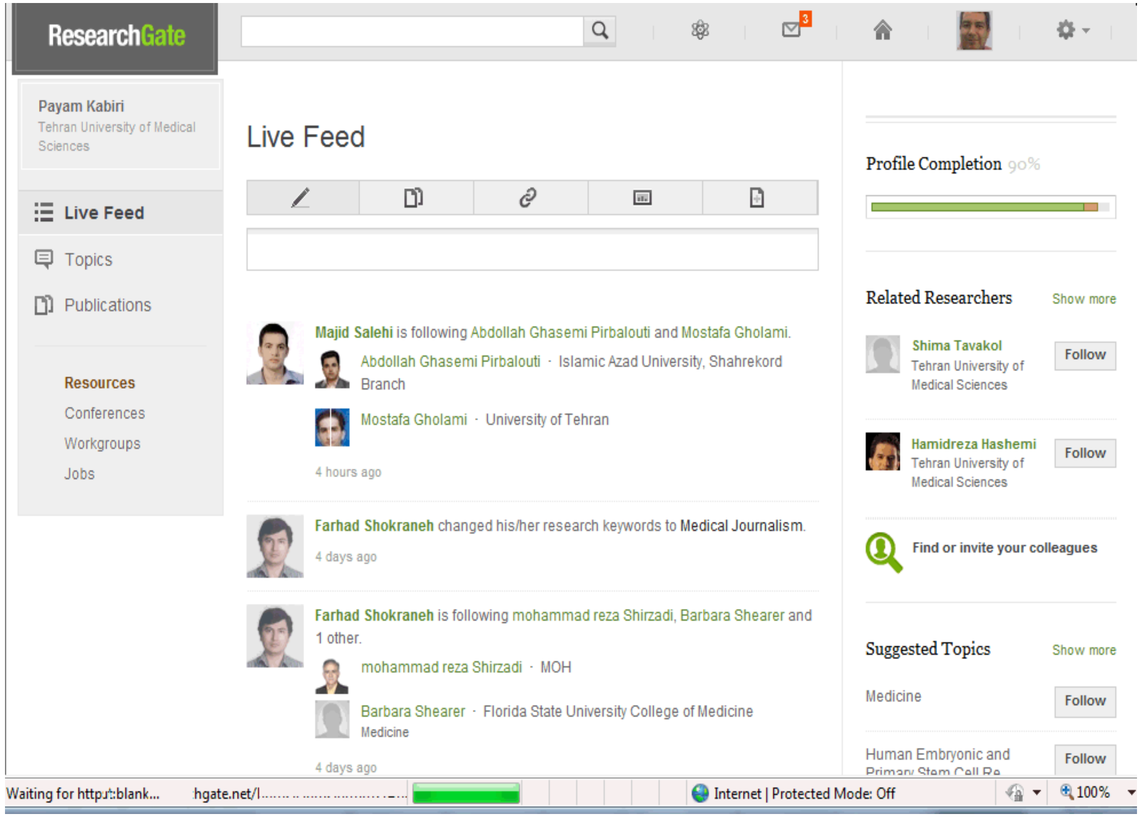
Updated with research interest Research Ethics and 1 other

by Mark Burton (follow) , Research Institute for Health and Social Change, Manchester Metropolitan University, Department Member

about 24 hours ago

Researchgate
www.researchgate.net

- Create a profile in ResearchGATE.net
- Social network for scientists (esp. biological and health) with over 8m members
- Emphasis on sharing papers, asking and answering questions, finding collaborators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Farhad Shokraneh changed his/her research keywords to Medical Journalism.
4 days ago

Farhad Shokraneh is following mohammad reza Shirzadi, Barbara Shearer and 1 other.
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Barbara Shearer · Florida State University College of Medicine
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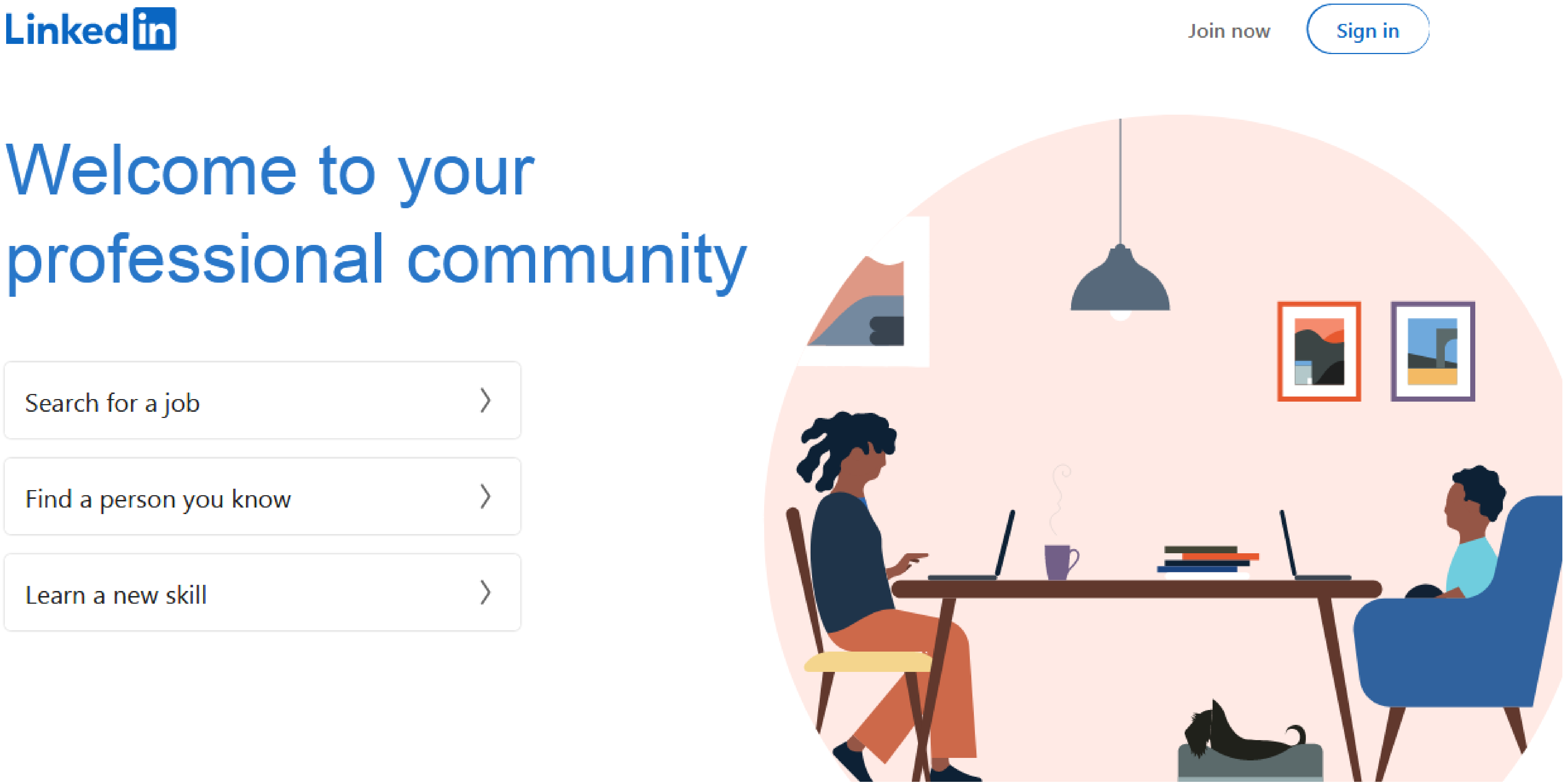

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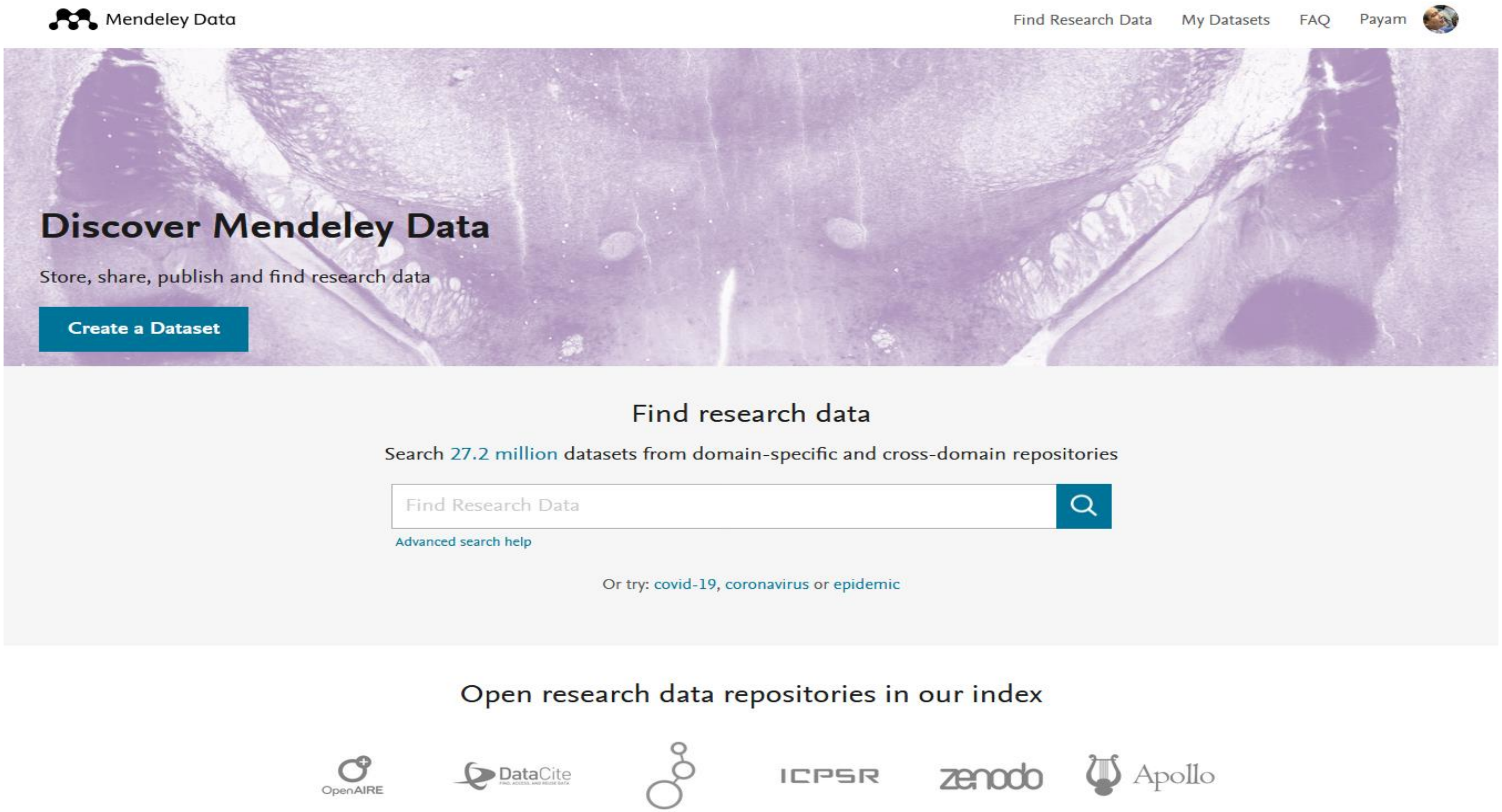
- Post your datasets to Data Registration Platforms for and storage of datasets.

- Make your data findable and citable from a repository. This can lead back to your original research or to your other work.

- Use data.mendeley.com & Re3data.org & to identify a suitable service for your discipline.

Datasets Repositories (https://data.mendeley.com)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Open research data repositories in our index

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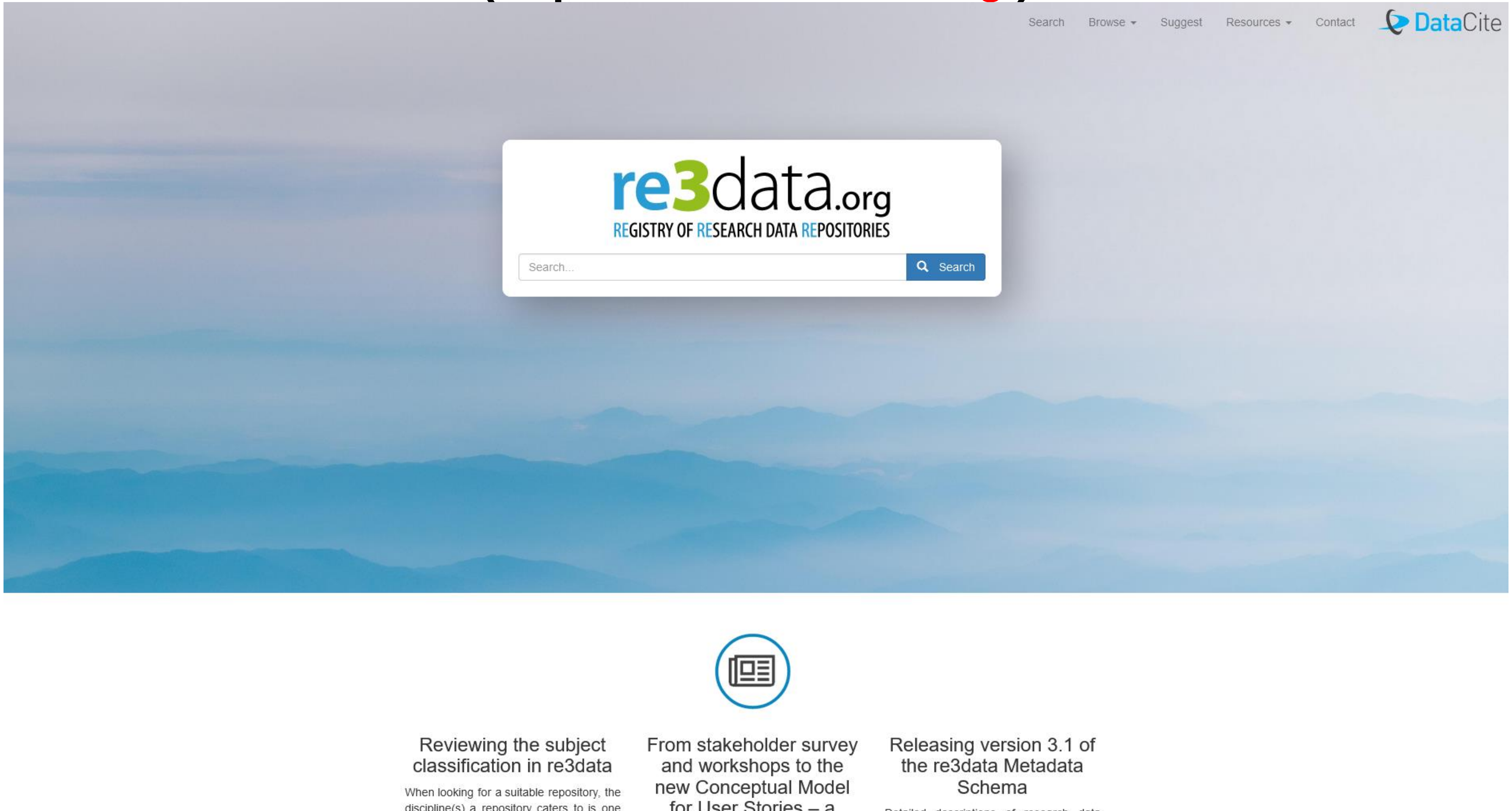
(https://www.re3data.org/)



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Reviewing the subject classification in re3data

When looking for a suitable repository, the discipline(s) a repository caters to is one

From stakeholder survey and workshops to the new Conceptual Model for User Stories – a

Releasing version 3.1 of the re3data Metadata Schema

Datasets Registrations in Repositories

- Data journals offer another route to making data more discoverable and citable. They are often based on data deposited in a data repository and involve some level of peer review.
  - Data in Brief
  - Journal of Open Humanities Data
  - Open Health Data
  - Journal of Open Psychology Data
  - Scientific Data

Business Plan for Your Article

1. Preparing your article
2. Publishing your article
3. Promoting your published article
4. Monitoring your article

Monitoring Your Article

Monitoring your article

1. Publishers Research Dashboard
2. Altmetrics Indices
3. Social Networks Tools
4. Scientometric Tools

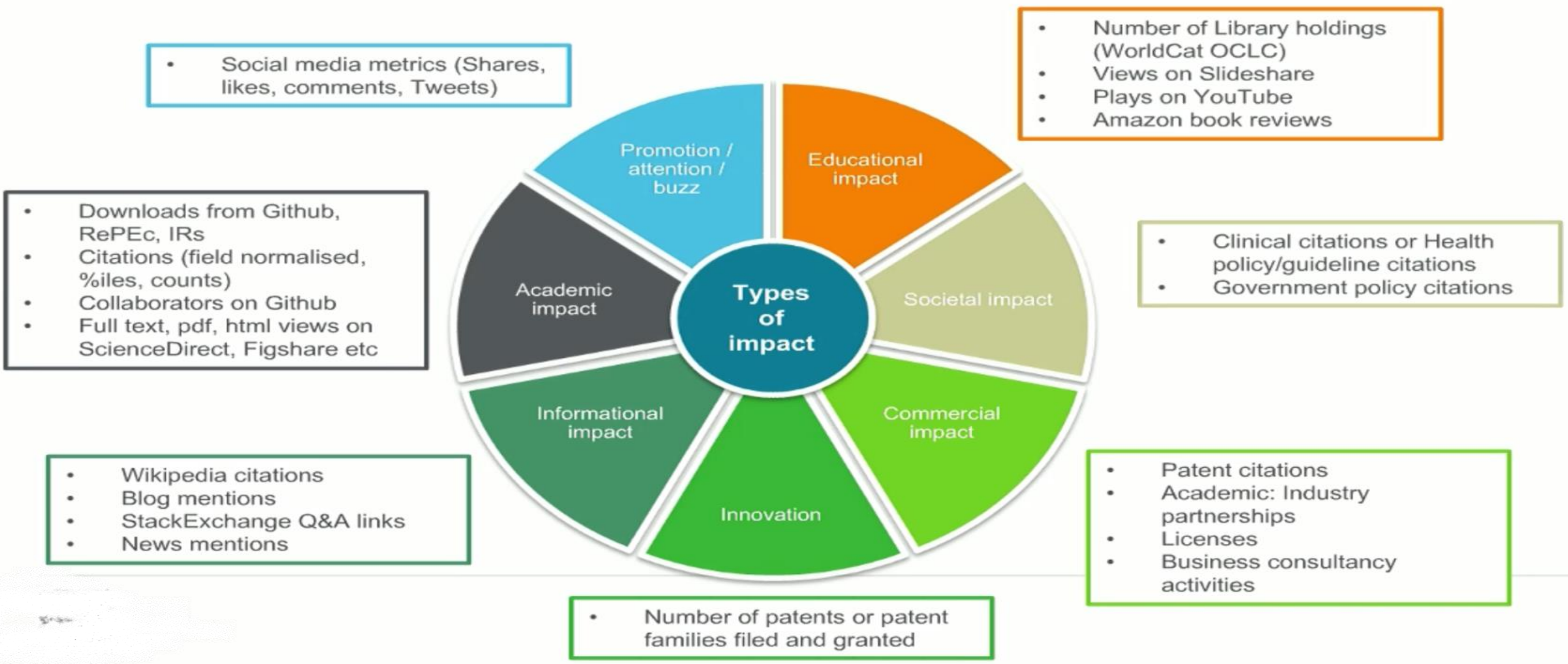
Research Dashboard

- Early feedback on downloads, shares and citations
- Data about the geographic locations and research disciplines of your readers
- Search terms used in ScienceDirect to find your publications
- A comparison of the performance of your article with other people’s articles

Different Types of Impacts

- Research impact
- Social impact
- Clinical impact
- Economic impact
- Environmental impact
- Impact on health and wellbeing
- Policy influence and change
- Technological developments

Different Types of Research Impacts & Metrics


Types of impact
Promotion / attention / buzz
Educational impact
Societal impact
Commercial impact
Innovation
Informational impact
Academic impact

- Social media metrics (Shares, likes, comments, Tweets)

- Number of Library holdings (WorldCat OCLC)
- Views on Slideshare
- Plays on YouTube
- Amazon book reviews

- Downloads from Github, RePEc, IRs
- Citations (field normalised, %iles, counts)
- Collaborators on Github
- Full text, pdf, html views on ScienceDirect, Figshare etc

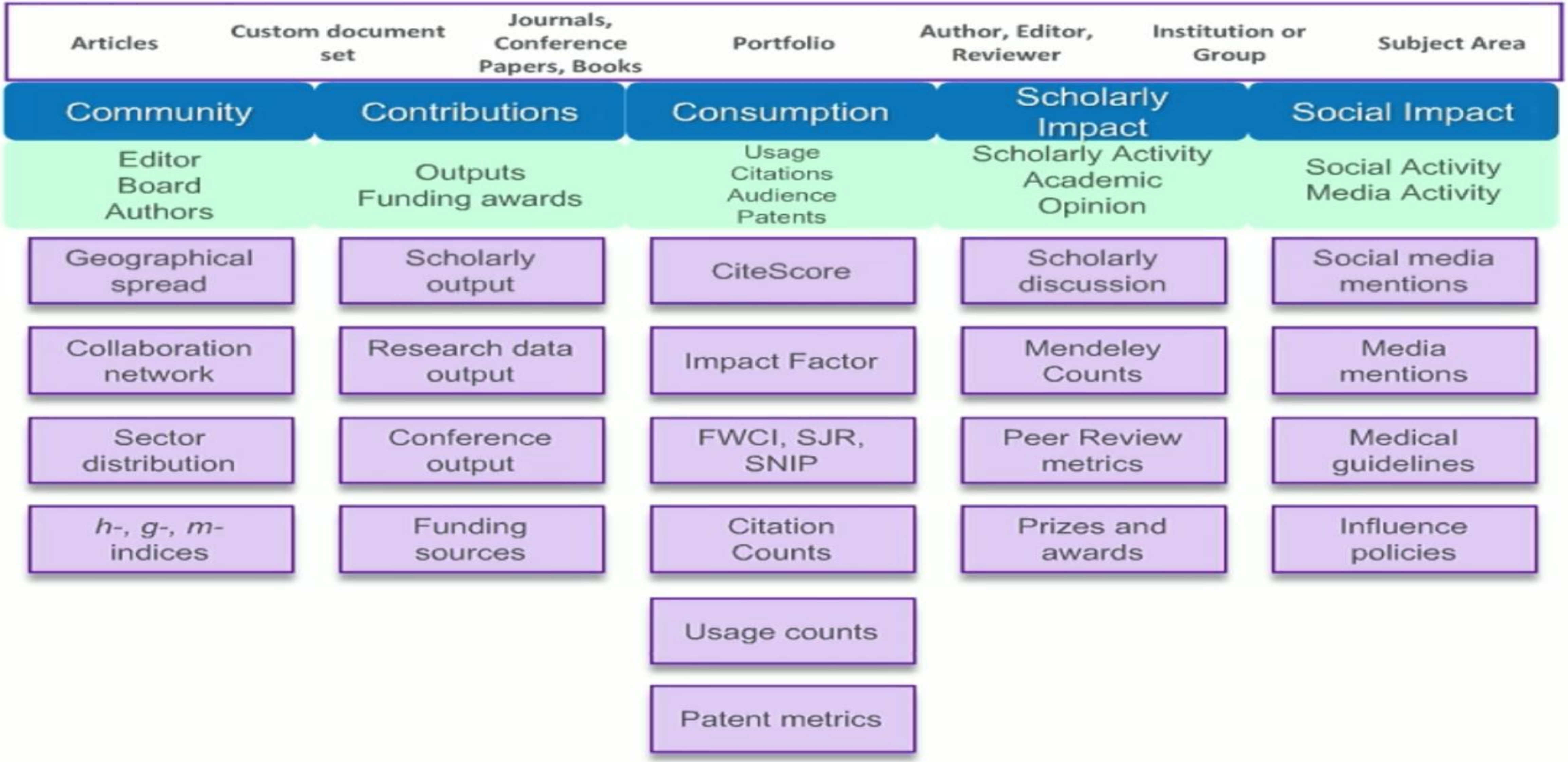
- Clinical citations or Health policy/guideline citations
- Government policy citations

- Wikipedia citations
- Blog mentions
- StackExchange Q&A links
- News mentions

- Patent citations
- Academic: Industry partnerships
- Licenses
- Business consultancy activities

- Number of patents or patent families filed and granted

Metrics That Help You



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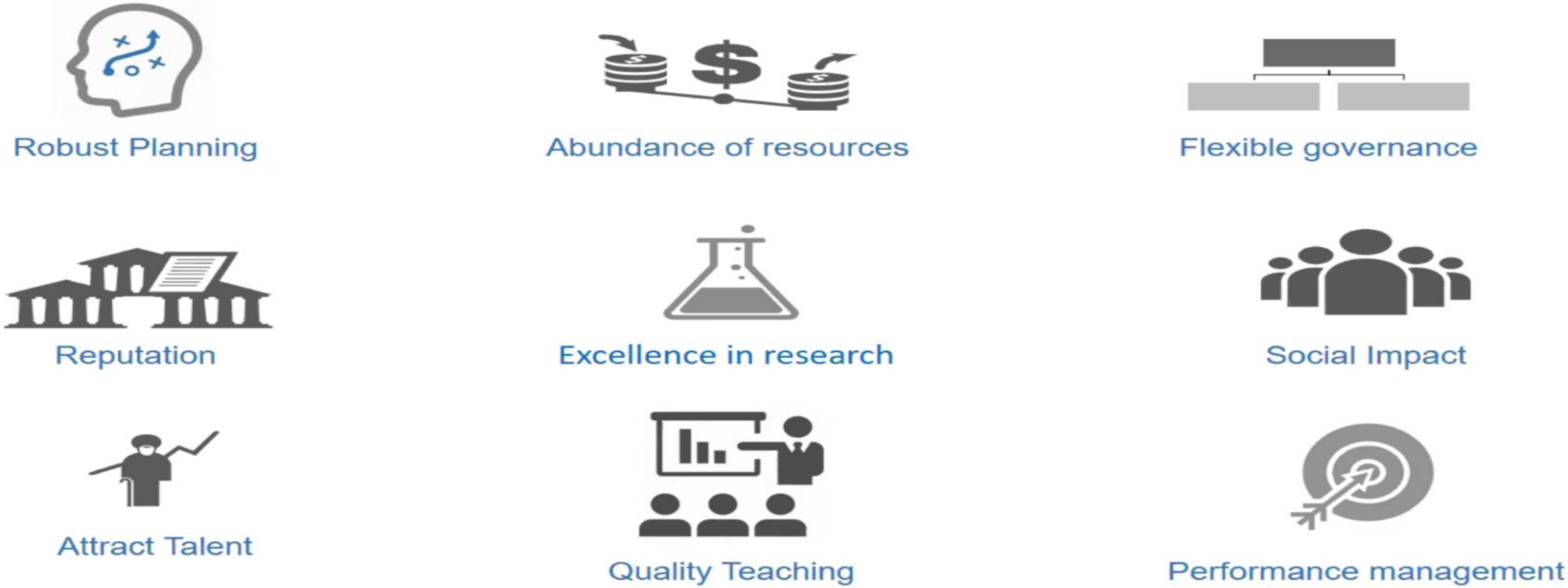
Geographical spread	Scholarly output	CiteScore	Scholarly discussion	Social media mentions
Collaboration network	Research data output	Impact Factor	Mendeley Counts	Media mentions
Sector distribution	Conference output	FWCI, SJR, SNIP	Peer Review metrics	Medical guidelines
h-, *g*-, *m*-indices	Funding sources	Citation Counts	Prizes and awards	Influence policies
		Usage counts		
		Patent metrics		

Key Characteristic of World Class University



Robust Planning

Abundance of resources

Flexible governance

Reputation

Excellence in research

Social Impact

Attract Talent

Quality Teaching

Performance management

Love Yourself
Make an Impact

با خود مهربان باشید

از خود نام و نشانی به یادگار گذارید

بماند سال‌ها این نظم و ترتیب
زما هر ذره خاک افتاده جایی

غرض نقشی است کز ما بازماند
که هستی را نمی‌بینم بقایی

زندگی صحنه یکتای هنرمندی ماست

هرکسی نغمه خود خواند و از صحنه رود

صحنه پیوسته به جاست ...

خرم آن نغمه که مردم بسپارند به یاد

......

ژاله اصفهانی

اگر میل داشتید Email بزنید !

kabiri@tums.ac.ir

Good Luck!