



REALE VALORE E IL POTENZIALE TRASFORMATIVO
DELLA OPEN SCIENCE, LA VEDRETE SOLO COME
L'ENNESIMO FARDELLO AMMINISTRATIVO

# Qualcosa da portare via

Open Access/Open Science: opportunità, non minaccia



My first talk of the year! Message is going to be that the opposite of 'open science' isn't 'closed science' - it's bad science. ...il contrario di Open Science è «Bad Science», non «Closed Science»

...Open Science è un modo diverso di fare scienza, non una serie di regolette

...si può fare Open Science a piccoli passi, non «tutto e subito»

...le barriere sono culturali/politiche, non tecniche...

Open Science, Open Innovation, EOSC, FAIR data: esserci!



# Open Science



New preprint. Comments welcom

Valid reasons not to participate in open science practices

Casper J. Albers\*

### Abstract

The past years have seen a sharp increase in the attention for open science practices. Such practices include pre-registration and registered reports, sharing of materials, open access publishing and attention to reproducibility of research. Despite the overwhelming amount of evidence highlighting the benefits of open science, some researchers remain reluctant. In this paper, I will outline valid reasons for researchers not to participate in open science practices.

### Discussion

There are no valid reasons.

\*Heymans Institute for Psychological Research, Grote Kruisstraat 2/1, 9712 Groningen, The Netherlands, c.j.albers@rug.nl

03:54 - 21 feb 2018

https://twitter.com/CaAl/status/96627993602

471 Retweet 990 Mi piace













### Valid reasons not to participate in open science practices

Casper J. Albers\*

### Abstract

The past years have seen a sharp increase in the attention for open science practices. Such practices include pre-registration and registered reports, sharing of materials, open access publishing and attention to reproducibility of research. Despite the overwhelming amount of evidence highlighting the benefits of open science, some researchers remain reluctant. In this paper, I will outline valid reasons for researchers not to participate in open science practices

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# Impareremo in questo modulo

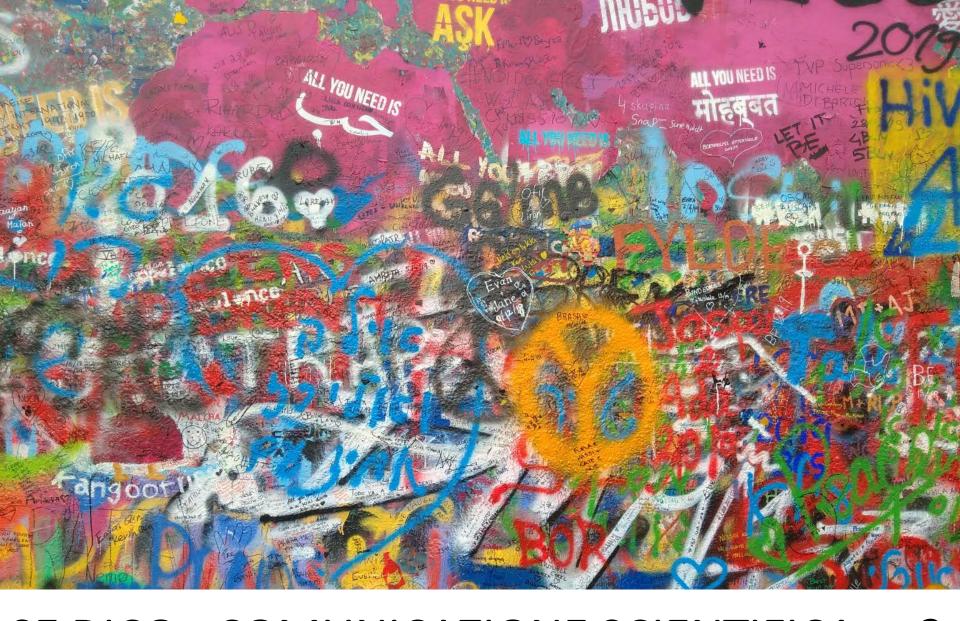
- 1. cosa non va nel sistema attuale di comunicazione scientifica
- 2. quantí soldí e interessi girano intorno a un paper

# MESSAGGI CHIAVE

- oggí, pubblicare e leggere non è gratis
- non credete ciecamente nella peer review, Impact Factor, citazioni...
   Siate critici e informati!







SE DICO «COMUNICAZIONE SCIENTIFICA»...?





**REGISTRAZIONE** 

[Impact Factor]

**RICOMPENSA** 

TRANSACTIONS:

OF THE PRESENT
Undertakings, Studies, and Labours

OF THE
INGENIOUS

IN MANY

W O R L D

For Acce 1665, and 1666.

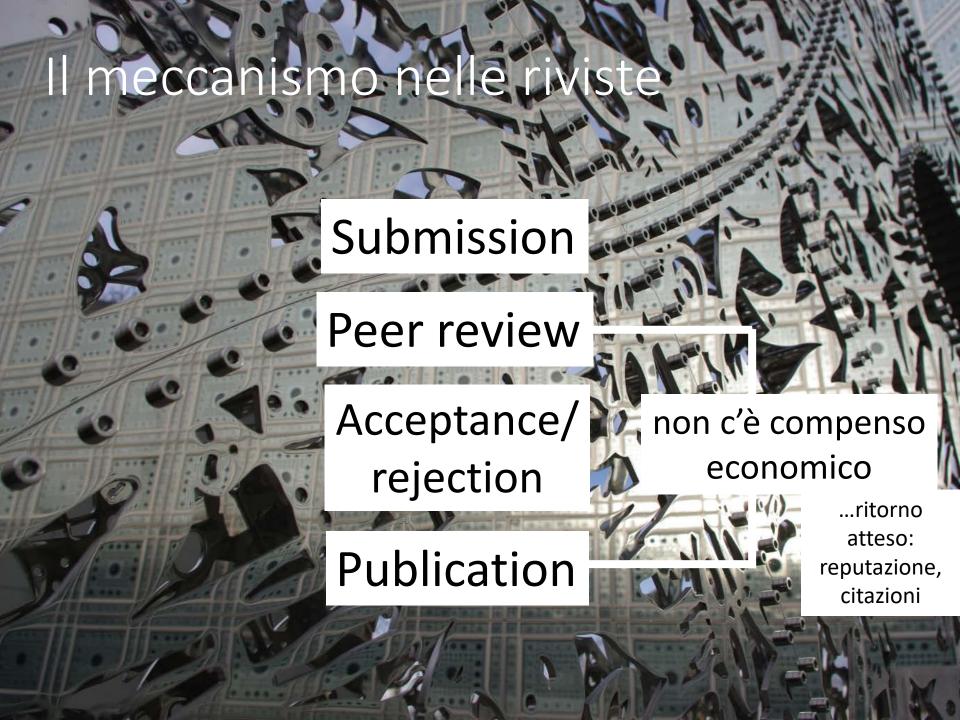
In the SAFOY,
Priending T. N. for John Monya as the Bell, a little wideon Tampindar , and Fance oblight or contribute.
When to the Apol Locat.
Proceeding by the Author May 30 th. 1667

**ARCHIVIAZIONE** 

**CERTIFICAZIONE** 

PUBBLICITÀ [AWARENESS]

Rosendaal H. – Geurts P. Forces and functions in scientific communication: an analysis of their interplay, CRISP 1997



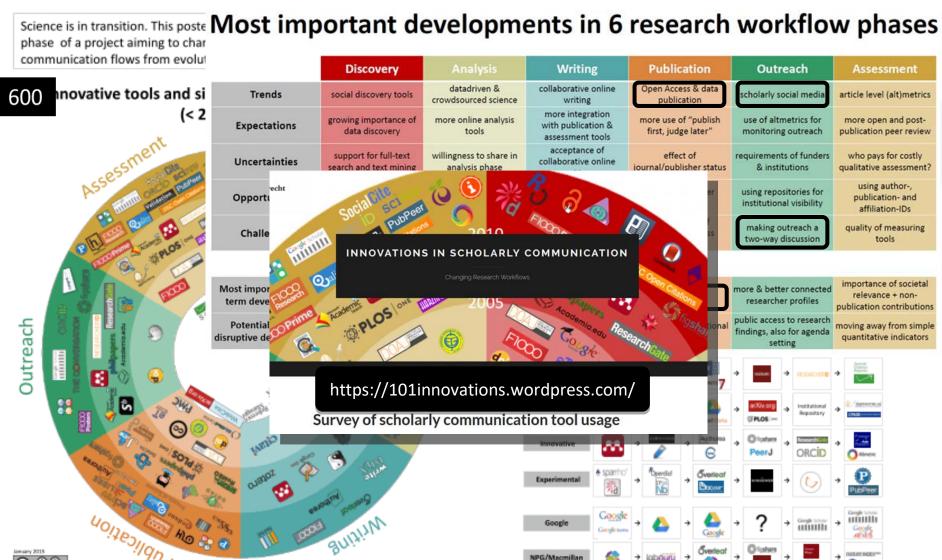
### 101 Innovations in Scholarly Communication





THE CHANGING RESEARCH WORKFLOW





http://figshare.com/articles/101 Innovations in Scholarly Communication the Changing Research Workflow/1286826

# comunicazione scientifica,

IN EUROPA 726 MILIONI (sottostimato)
GLOBALE 7,6 MILIARDI (2016)

2019 Big Deals Survey Report An Updated Mapping of Major

May 2019

### O Key figures on Big Deals costs:

- At least 1.025 billion euros are spent overall, every year in electronic resources (including periodicals, e-books) by 31 consortia surveyed in 30 European countries.
- Periodicals alone account for 726 million euros per year across all consortia. 72% of these costs are borne from university budgets.
- 475 million euros per year are spent in periodical Big Deal contracts with five of the largest publishers (Elsevier, Springer Nature, Taylor & Francis, Wiley, American Chemical Society).
- Contracts with the largest five publishers are subject to an average annual cost increase of 3.6%.

OGGI LA COMUNICAZIONE SCIENTIFICA
NON È GRATIS
...SOLO CHE PAGHIAMO PER OGNI
ARTICOLO 3800/5000 \$ AGLI EDITORI PER
CHIUDERE IL CONTENUTO

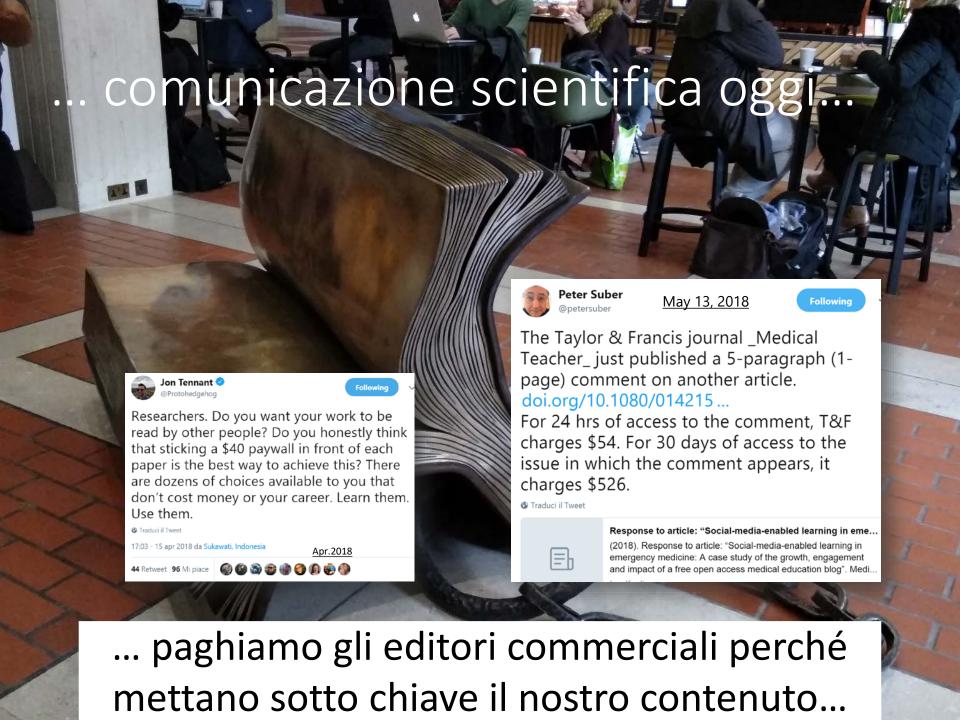
Disrupting the subscription journals' business model for the

necessary large-scale transformation to open access

A Max Planck Digital Library Open Access Policy White Paper

current operating numbers per year Global view 5,000 EUR/ article 1.5 M research Global market Subscription WoS; papers (WoS); volume 3,800 EUR/ article market today up to ~ 2 M overall 7.6 bn EUR overall Global basis After an OA volume 2 M research papers transformation 4 bn EUR http://goo.gl/gMoKke

... paghiamo gli editori commerciali perché mettano sotto chiave il nostro contenuto...



Following

The smartest business model ever. Have all of your products and services performed for free by researchers, and then sell it back to them with an unholy markup. Try describing the model to a non-researcher, and they mock us for falling for it.

https://twitter.com/Protohedgehog/status/985439318897410048

### Steven Salzberg @StevenSalzberg1

Nature and other Springer journals make all of their money from free labor provided by scientists, who write all the papers and do all of the peer review. And now they are cashing in: "Springer Nature aims to raise 1.2 billion euros in new money in IPO" reut.rs/2qqhp93



WHY SHOULD YOU PAY TO READ THEM?

www.plos.org

## PORTOBELLO

For researchers, it's like going to a restaurant, bringing all of your own ingredients, cooking the meal yourself, and then being charged \$40 for a waiter to bring it out on a plate for you.

You are the provider, the product, and the consumer.

Jon Tennant, Open Science: just science done right, Sept.



# «comunicazio

### The Future Of Academic Publishing Beyond Sci-Hub









How did we get and universitie desktop publisl rendered some

If you have a pressing need to read an academic paper that's hiding G. Geltner is a historian at the University of quickest course of action may well be to use Sci-Hub. Less myopical, permaps, you should also the paper's authors why they continue to cooperate with those for-profit publishers whose high prices have made breaking the law your path of least resistance (ignorance, careerism, apathy, lack of alternatives?). You may also want to inquire with your local government or university how much they spend a year subscribing to journals that contain their own tax-paying citizens' and salaried employees' research (millions), how these terms were negotiated (in secret, sometimes at the publishers' insistence), what impact that has on the free exchange of ideas (devastating), and nds (hardly).

...chiudere i risultati della ricerca non solo è antiaccademico ma inasprisce le diseguaglianze. Chiedete ai vostri amministratori

- quanto viene speso in abbonamenti
- come vengono negoziati [in segreto]
- che impatto causano allo scambio di idee
- se è il modo giusto per spendere fondi pubblici

ional inertia, they demic research. publishing, including g increasingly higher

ve shielded and even nbargoing the results anti-academic, it

also reinforces social and global inequalities, with devastating consequences to scientists and the public at large. The tiny club benefiting from huge subscription and processing fees has created, sometimes with the willing consent of academics, a situation whereby universities and governments are buying access to their own scholars' work (including in the form of peer review and editorship) at prices even Harvard can't afford.



# Accesso?

12 marzo: Thomson Reuters, Elsevier,
Nature mettono a disposizione
gratuitamente
i dati e le pubblicazioni
su contaminazione nucleare

...che fino al 10 marzo erano chiuse dietro abbonamenti a riviste che nemmeno Harvard può più permettersi...



Segui

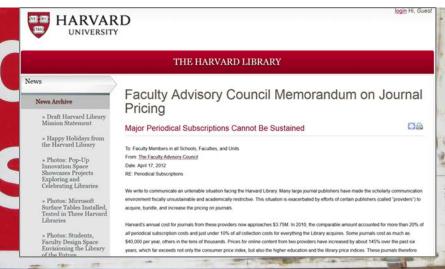
In risposta a @jasonpriem e @unpaywall

and btw the "everyone who needs it has access" is completely wrong. I have worked in small biotechs for the last 10 years and hit frustrating paywalls EVERY DAY trying to do good science.

Traduci dalla lingua originale: inglese

15:14 - 4 gen 2018

https://twitter.com/JKamens/status/948920680590004224



# «Access»?



Egon Willigh@gen @egonwillighagen

Feb. 4, 2020

we must continue asking ourselves why this is illegal (in most countries) in the first place? Why are monetary reasons more important than moral/ethical reasons? These 5000 rely on even more copyrighted knowledge. "Emergency OA" is not a solution. It's a symptom. #openscience

Vincent informa

raise qu

science-

professi of Mont way scie said the

A Jason Koebler 🕗 @jason koebler · 17h

Archivists have pirated more than 5,000 studies about coronaviruses and made them open access: "It's a moral imperative," they said. "A copyright on the health

publication and share research

is a tacit admission that business-as-usual in research slows down science.

"[They say] we're opening everything because it's important that we advance things fast. Well, the flip side of this argument is that your normal behaviour is to put barriers to science."

"This virus is dangerous and deadly, but there's lots of other diseases that are dangerous and deadly, and for which opening could save lives. So if you really want to go in that direction, just open everything."

nature

Feb 4, 2020

FDITORIAL . 04 FERRUARY 2020

### Calling <u>all coronavir</u>us researchers: keep sharing, stay open

As the new coronavirus continues its deadly spread, researchers must ensure that their work on this outbreak is shared rapidly and openly.



University of Montreal researcher Vincent Larivière said the current climate of open science suggests that science-as-usual creates barriers. (Amélie Philibert)

Health · Second Opinion

Subscribe

'We're opening everything': Scientists share coronavirus data in unprecedented way to contain, treat disease Feb.1, 2020

> ...GLI SCIENZIATI ADESSO STANNO APRENDO DATI E ARTICOLI SU COVID-19...

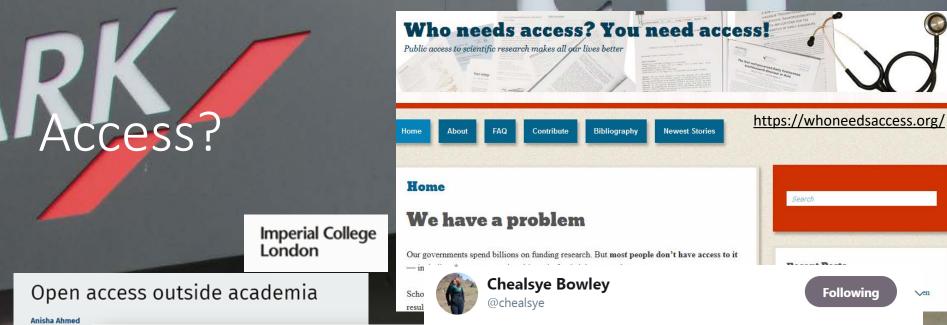
SIGNIFICA CHE IL **COMPORTAMENTO** «NORMALE» INVECE È QUELLO DI METTERE **BARRIERE ALLA CONOSCENZA** 

RRIERE DELLA SERA / OPINIONI

Il coronavirus insegna: la scienza ha sempre bisogno di trasparenza



La grande rivoluzione nata in un piccolo centro veneto specializzato nel passaggio dei virus da animali a umani, Jan. 30, 2020 allora diretto da Ilaria Capua. E a quel tempo fu osteggiata



Anne Baber Wallis
@abwallis
Segui

In risposta a @glynmoody, @edrybicki e @graysouth

I'm an academic and so-called pay walls are irrelevant. We have an excellent library w/access to 1000s of journals via PubMed.

There's nothing wrong w/jnl subscriber fees & it wouldn't change 11,000 deaths or the bahypothesis.

Traduci il Tweet

12:54 - 7 mar 2018 da Jeffersontown, KY

In risposta a @abwallis, @glynmoody e altri 2

You may have excellent access, but many in the US and around the world don't. Your library spends ~7 million on serials, having lost ~2 million in budget for serials in recent years. Just because a problem doesn't personally impact you, doesn't mean it isn't a problem.

Interestingly, there was a false understanding of scholarly publishing, with research participants believing that articles were paywalled so as to allow the author/ researcher to recuperate their costs themselves. (rather than the publisher profiteering!)



a openaccess 🕶

Buonasera,

Sono una laureanda di Ca' Foscari Venezia. La mia correlatrice mi ha assegnato un capitolo di un libro da leggere dandomi il link alla pagina di iris unito it dove posso trovarlo.

Non riesco però in alcun modo a vedere il file, anche solo per la consultazione online.

Come posso fare?

ACCOUNT IRIS PER CONSULTARE ARTICOLO > 1

### permesso di accesso 🔈



Posta in arrivo x



Niccolò

omail.com>

a me 🔻

Buongiorno,

sono uno studenti UNIMI e sto preparando la tesi, spesso nelle mie ricerche per il materiale, mi imbatto nel vostro sito IRIS ma non posso accedere all'articolo a cui sono interessato. Come posso

ottonoro il pormocco?

Pietro Antonio

a openaccess \*

Buongiorno,

Sono uno studente della specialistica in scienze Internanzionali e mi servirebbe accedere a degli articoli su Iris per la mia ricerca di tesi. Potreste cortesemente spiegarmi come posso effettuare l'accesso?

Vi ringrazio anticipatamente.

Cordiali saluti.

### Eugenia

a me, openaccess \*

Buongiorno,

sono una studentessa di Medicina veterinaria.

Sono interessata al seguente articolo:

### Lieviti ed alterazioni di yogurt alla frutta

L Vallone, C Cantoni, LS Cocolin, G Comi - 2001 - iris unito.it,

però non possiedo un account IRIS. Può indicarmi come posso consultare l'articolo?

Grazie

Cordiali saluti

gio 17 ott, 15:47 (2 giorni fa)

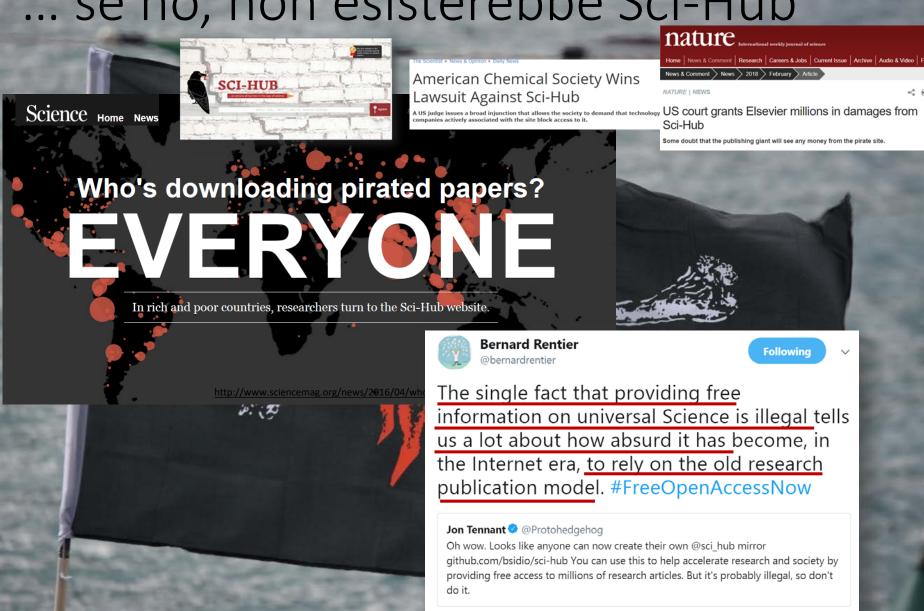


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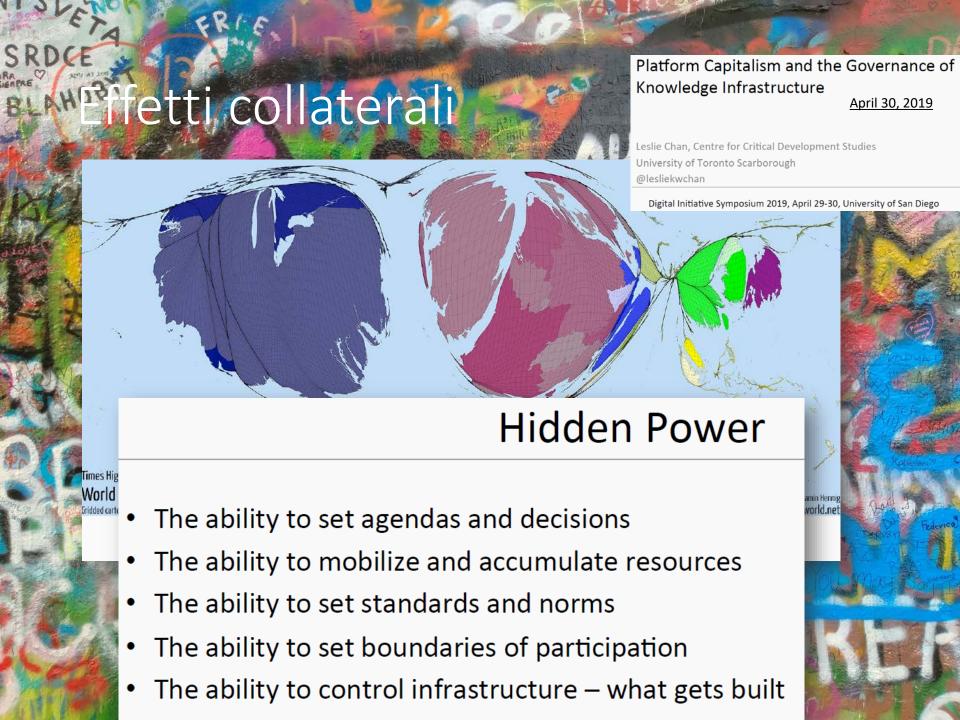




Traduci il Tweet

08:37 - 10 mag 2018

March 10, 2018



# [come ottenere il pdf se non avete abbonamento]

### **HOW TO GET THE** PDF?

Alternatives to the publisher version of full-text journal articles

updated: February 20, 2018

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https://seldons.reapilia.org/isi/fireflox/addon/gragle-schelar-button/

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Mtpc//twitter.com/www.ti/g=%23c.whazpit



### **HOW TO GET THE**

Alternatives to the publisher version of full-text journal articles

### NARCIS

PDF?

NARCIS provides access to scientific information, including (open access) publications from the repositories of all the Dutch universities, KNAW, NWO and a number of research institutes, datasets from some data archives as well as descriptions of research projects, researchers and research

### OSF PREPRINTS

OSF offers acces to over 2 million open access preprints.

### DIRECTORY OF OPEN ACCESS JOURNALS

DOAJ offers access to over 10,000 open access journals

### SCIENCE OPEN

Scionce Open contains over 37 million articles, a large part in open

### 12 SCI-HUB

If all else falls, you may be tempted to use Sci-Hub. Do realize however, that in many countries, including The Netherlands, the use of Sci-Hub is considered as an illegal act, as it involves etent protected by copyright laws and licensing contracts.

appen access.nl

What is open access? In the Netherlands You

Alternative ways to access journal articles

Feb. 27, 2018

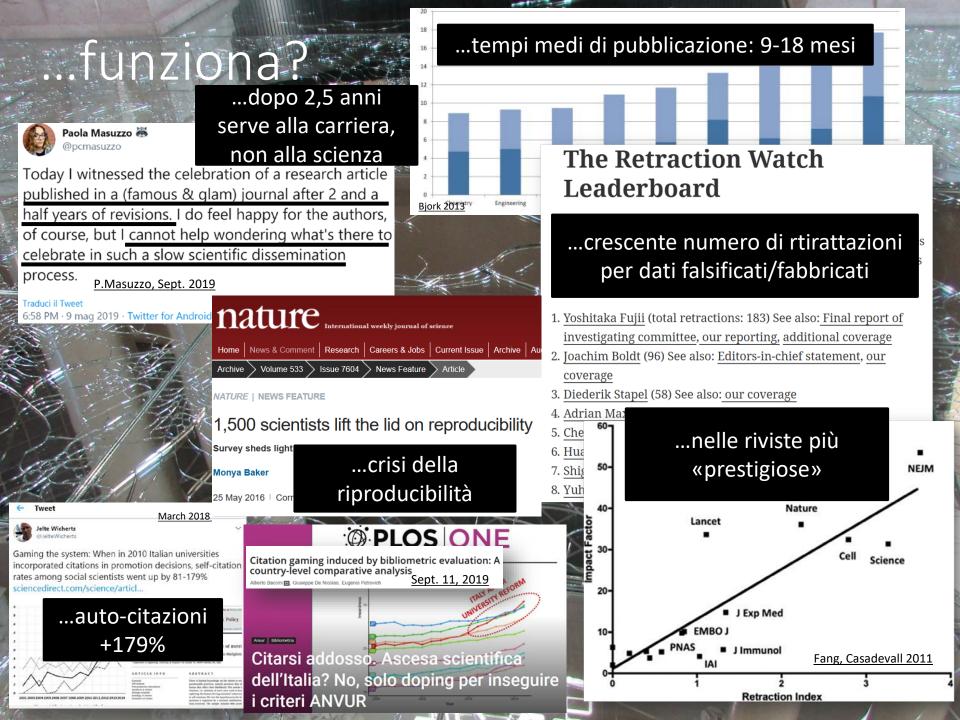


Unpaywall ovviamente funziona SOLO se l'autore ha depositato

An open database of 17.025.907 free scholarly articles.

We harvest Open Access content from over 50,000 publishers and repositories, and make it easy to find, track, and use.

GET THE EXTENSION







# [ritrattazioni]

No academic post for fraudster Diederik Stapel, after all

Recently, we reported that social psychologist and renowned data faker Diederik Stapel had found himself a new gig supporting research at a vocational university in the Netherlands but it appears that was short-lived.

According to multiple news reports, NHTV Breda will not be employing Stapel, after all.



Here's our Google transla De Telegraaf: Continue r

Scoperto da un PhD che ha chiesto i dati originali

Retraction

# Watch

Tracking retractions as a window into the scientific process

https://retractionwatch.com/

Harvard chiede il ritiro di 31 pubblicazioni del noto cardiologo Piero Anversa

Oct. 16, 2018

Stem cell researchers investigated for misconduct recommended for roles at Italy's **NIH** 

Two stem cell scientists who left Harvard



March 14, 2018



riferiscono la Harvard Medical School e il Briaham and 🗀 t Contengono dati falsificati e/o inventati, come

Vomen's Hospital di Boston. Gli studi sotto ac ıtilizzare le staminali per rigenerare il cuore

The document says the board unanimously recommended the appointments of Anversa and Leri on January 31 as winning candidates with 'a rating of 'excellent.'

After exclusion

al found that hydroxyethyl starch was associated with a significantly increased risk of mortality (risk ratio [RR], 1.09; 95% CI, 1.02-1.17) and renal failure (RR, 1.27; 95% CI 1.09-1.47).

Does scientific misconduct cause patient harm? The case of Joachim Boldt

If you wanted of misconduct retractions we journals hardl analysis and e

97 ritrattazioni. Se le eliminate dalla systematic review si riscontra un aumento nel rischio di mortalità e disfunzioni renali



In other words, there was an increased risk of death and kidney failure among those given HES:

The report by Zarychanski et al highlights the potentially important and adverse effect of scientific misconduct.

# [un gigante con i piedi di sabbia?]

Cut-throat academia leads to 'natural selection of bad science', claims study

Scientists incentivised to publish surprising results frequently in major journals, despite risk that such findings are likely to be wrong, suggests research



https://goo.gl/IUb5WZ

In which jo underlying

scientific experiments does not increase with increasing randody of evidence suggests the inverse: <a href="mailto:methodological qual-works">methodological qual-works</a> in several fields may be *decreasing* with increasing jeacircumvent confounding factors such as increased readersh quantifiable indicators of methodological soundness in the automated data extraction from often thousands of publication that the very existence of constitutes one of the major threats to publicly funded scientification.

journals, bad scientific practice will 'run rampant'. Photograph: Ben Broomfield for the Gu

most prestigious journals. However, data from several lines

17 Jeroen Bosman ha ritwittato

Rebecca Willén @rmwillen · 13 set

Senior professor after my keynote today: "That slide is awful, you make people lose trust in science. They are practitioners, you can't do this to them!"

Early career researchers / practitioners after same keynote: "Such a great & important presentation! I feel very inspired!"

Traduci il Tweet



hs, I., K., Loewenstein, G., & Prelec, D. (2012). Measuring the prevalence of questionable research practices with

Unreported measures
in a paper, falling to report all of a
study's dependent measures

56% Increasing sample size Deciding whether to collect more data after looking to see whether

the results were significant

Publication bias

olication bias

38% Data exclusion Ceciding whether to

Deciding whether to exclude dat after looking at the impact of doing so on the results.

28% Unrep

Unreported conditions in a paper faling to report all of a study's conditions

27%

In a paper, reporting an unexpected finding as having been predicted.

Sept. 13, 2018



Front, Hum. Neurosci., 20 February 2018



Prestigious Science Journals Struggle to Reach Even

QUALITÀ DIMINUISCE SE IL «PRESTIGIO» AUMENTA

publish unreliable science eventually erodes public trust in science.

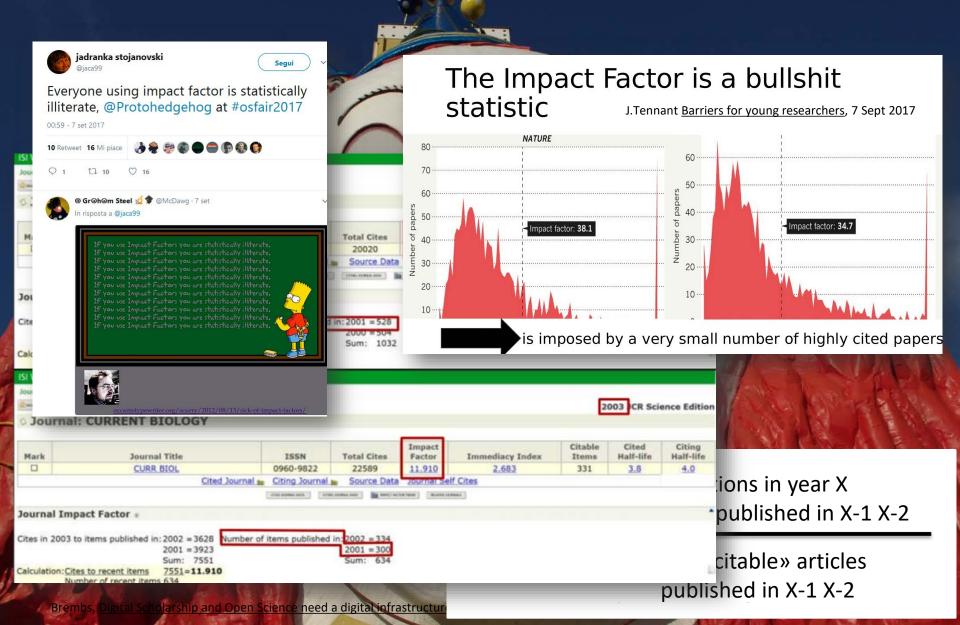
Average Reliability

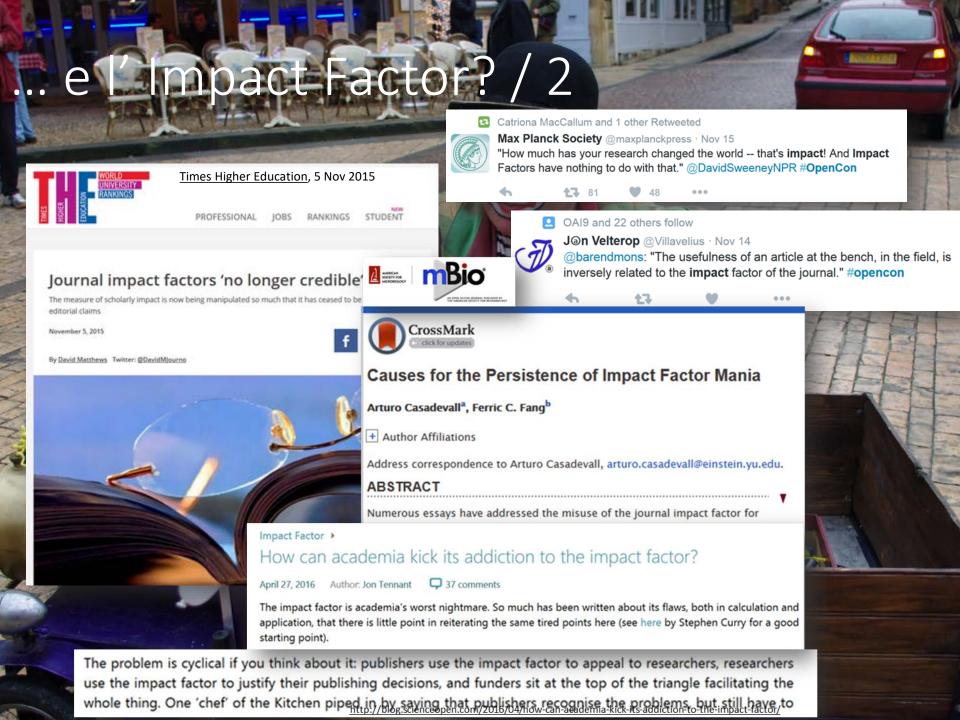


Institute of Zoology-Neurogenetics, Universität Regensburg, Regensburg, Germany

Feb. 20 2018

# ...e l' Impact Factor? / 1





... e la valutazione? «Ossessione»

ROYAL SOCIETY

The future of scholarly scientific communication https://goo.gl/p6VzaS

"Why do we do science? It's not to create careers for scientists. It's to increase knowledge for the benefit of mankind. If the need to sustain the careers of young scientists is getting in the way of the primary objective of science there is something wrong in the way in which we organise and motivate those careers."

Goodhart's Law: "when a measure becomes a target, it ceases to be a good measure."

Metrics are subject to manipulation, so we should look carefully not only at the number, but what it is that number purports to measure. "Not only are we failing to provide the right incentives, we are actually providing perverse ones."

As long as journal impact factors retain some role in the career development, journals should publish the distribution of their citations. The participants strongly supported the adoption of the San Francisco Declaration on Research Assessment (DORA) by publishers, funders and universities. There was a call for open citation data (rather than

having to

"Getting away from this obsession with measurement and going back to judgement might be a way forward."

"People game the system at every level and this risks the loss of valuable research in favour of fashionable research."

# ... e la valutazione? «Ossessione»



Scientists call for reform on rankings and indices of science journals

y University of Oslo



"Our message is quite clear: Academics should stop worrying too much about indices. Instead, we should work more on the scholarship and the quality of research," says Professor Colin Chapman from the Department of Anthropology at the George Washington University in Washington.

"The exaggerated reliance on indices is taking attention away from the quality of the science. The system works just fine for experienced researchers like Colin Chapman and myself, but younger researchers and their careers are suffering

because of the way indices are used today," adds Professor Nils Chr. Stenseth at the University of Oslo.

### THE EVOLUTION OF ACADEMIA

Indices don't measure quality

Feb. 17, 2020

Chapman and Stenseth are two of the authors behind an attention-grabbing paper in the

PUBLISH
PUBLISH
PUBLISH
PUBLISH
PUBLISH
PREQUENTLY IN
HIGH IMPACT
JOURNALS
AND
MAYBE
YOU WON'T
PERISH

B.Rentier, Sept. 2019

Facebook.com/Pedromics

Why should we change?

Current evaluation methods

shape researchers in the same mould.

They kill diversity.

# ...e le citazioni? Cosa misurano?

So what now? We think this work clearly highlights a major issue with metrics - they aren't measuring what everyone commonly assumes we are measuring, or at least, are not accurately representing the more abstract perceptions of impact and importance that we measured in our survey.

As hinted earlier, we think our research shows that impact goes beyond citation count, and beyond scholarly impact. Recent articles, such as that in PLoS Biology and Nature, also call out current evaluation models for researchers. But what can we done to change current practice?



Home Our books Series About Latest

### The academic papers researchers regar that are highly cited





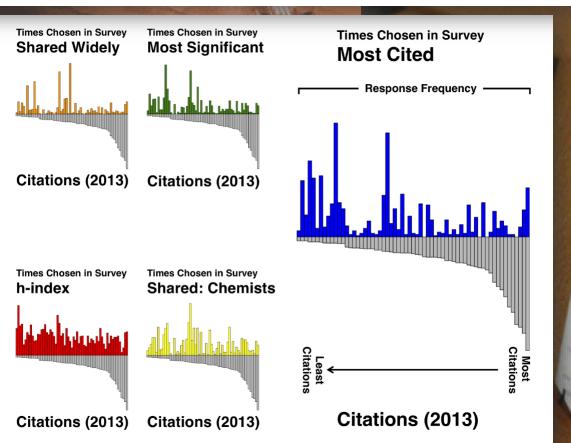


For many years, academia ha measure the impact or impor the Impact Factor and the h-i align with researchers' subje-Rachel Borchardt and Matthe

compares researchers' perceptions of significance, importa citation data. The results reveal a strikingly large discrepand metric we currently use to measure it.

Academia, we have a problem. What began as an attempt from us and taken on a life of its own. This problem isn't pa by scholars and researchers and, as a result, is being talke

May 14, 2018



# [effetto Cobra]

For any killed cobra, Indians were paid. So, they started breeding cobras

There is a well-known anecdote about British rule in India. In Delhi, officials were concerned that there were too many cobras. To reduce their population, people were paid for each cobra killed. When the administrators found out that some people had started to breed cobras to kill them and collect the reward, they stopped the scheme. The farmed cobras were set free, causing the population to explode.

This is the so-called cobra effect, which describes how incentives in complex systems can have unintended consequences which exacerbate the problem the were trying to solve.

I was told impact metrics could make or break careers. Instead, they broke my faith in scientific research



Performance-driven culture is ruining scientific research

The Guardian, 16 Feb 201

«UNINTEDED

CONSEQUENCES»... ARE
WE SELLING BREEDED

COBRAS?

I worry that the KPI-driven impact culture increasingly means that careful, meticulous and incremental science is anathema in the academy, especially for those at the early stages of their careers. There are many who are so attracted by the prospect of success that they are willing to obfuscate, mystify and perhaps falsify research to game the system and reap the plentiful rewards.

Most of all, I worry that instead of working towards an enlightened future, many are simply selling farmed cobras and calling it progress.



Abbiamo deciso di riproporre in lingua italiana un prezioso intervento di Mario Biagioli apparso su Nature qualche tempo fa. Così l'Autore – che ringraziamo per aver acconsentito alla pubblicazione della traduzione – ne presenta i contenuti: "La cultura del 'publish or perish' è spesso chiamata sul banco degli imputati quando gli scienziati si macchiano di condotte illecite. Alcuni ricercatori non rispettano le regole, aggiustano dati e immagini o s'inventano risultati per guadagnare la pubblicazione dei propri articoli scientifici e i premi conseguenti. Tutto ciò è appropriatamente definito una condotta illecita. Ma si registra una inedita tipologia di cattivi comportamenti, determinata da un fattore diverso, ma collegato a quello ricordato, che si potrebbe definire "impact or perish".



# times of paper found published better found found published better found found published better found fo

Impact or perish. L'ossessione per l'impatto delle pubblicazioni scientifiche genera frodi e condotte abusive

Agli scienziati non basta più pubblicare i propri lavori. E' imperativo che il lavoro pubblicato sia collocato in uno scaffale editoriale che gli conferisca prestigio e influenza. Questa tensione per l'impatto di quanto si pubblica colloca gli articoli scientifici al centro di una rete di metriche che guardano tipicamente a dove si pubblica e a quante volte il lavoro viene citato. Ottenere un buon punteggio attraverso l'applicazione di queste metriche diventa un obiettivo che gli scienziati e gli editori sono disposti a raggiungere barando.

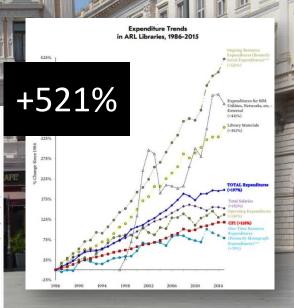
Sul piano collettivo o aggregato, queste nuove pratiche non sono più fondate, come un tempo, sulla produzione di articoli contenenti prove e conclusioni fraudolente. Piuttosto, sono impiegati strumenti fraudolenti per ottenere che l'articolo sia pubblicato, aumentarne l'impatto e gonfiare l'importanza di quanti scrivono con l'autore della pubblicazione incriminata. Sono pratiche assai diffuse. Gli scienziati non devono affannarsi a cercarle, perché di esse esiste un'evidenza quotidiana. La sezione notizie ospitata dalle riviste scientifiche ospita ormai regolarmente liste di autori che indicano quali candidati suggeriti per la peer review del proprio articolo nominativi cui corrispondono falsi indirizzi mail. Lo fanno per poter poi utilizzare quegli indirizzi per fornire revisioni che siano in grado di garantire che l'articolo ottenga la pubblicazione. Il circolo delle revisioni e citazioni si spinge anche oltre, arrivando a scambiare false review in cambio di citazioni da parte dell'autore del pezzo oggetto della falsa review. Altri manipolano le banche dati degli editori in modo da ottenere più inviti a effettuare review di articoli, e in tal modo inserire più citazioni dei propri articoli.

Tutte le metriche della valutazione scientifica sono destinate a essere oggetto di abuso. La legge di Goodhart (che prende nome dall'economista inglese che

# Il paradosso

2.100.000

Profit	Company	Industry A.Holcombe, Aug. 2018
10%	BMW	automobiles
23%	Rio Tinto	mining
25%	Google	search
29%	Apple	premium computing
35%	Springer	scholarly publishing
37%	Elsevier	scholarly publishing





**Alexis Verger** @Alexis\_Verger ⋅ 5 nov **Elsevier** 2018 profit margin: a whopping 37%

"In other words, every time we pay a \$3000 article processing charge, only \$1800 supports the publishing process, while the remaining \$1200 goes directly to **Elsevier** shareholders." @MullinsLab



Nov.5, 2019





♡ 467



tagli ai budget= minore possibilità di leggere di essere letti

... nell'era del web in cui tutto è disponibile... 1/3 800=288 milioni di soldi pubblici (2.100.000 euro UniTO)

t has currer Economist

ood bash. The ther people's work, thing by third parties

in a process called peer review, has been immensely profitable. Elsevier, a Dutch firm that is the world's biggest journal publisher, had a margin last year of 38% on revenues

ion (\$3.2 billion). Springer, a German firm that is the ggest journal publisher, made 36% on sales of .1 billion) in 2011 (the most recent year for which available). Such firms are Fine of the badh 4 may 2013 or

Elsevier: +38%



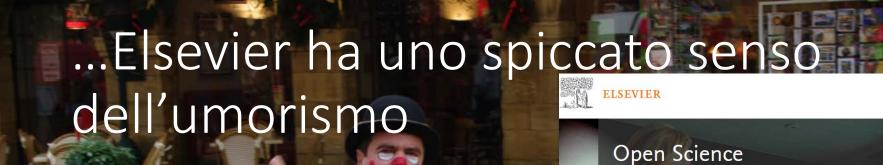
The Guardian view on academic publishing: disastrous capitalism *Editorial* 

March 8, 2019

The giants of the scientific publishing industry have made huge profits for decades. Now they are under threat

cientific publishing has long been a licence to print money. Scientists need journals in which to publish their research, so they will supply the articles without monetary reward. Other scientists perform the skilled and specialised work of peer review also for free, because it is a central element in the acquisition of status and the production of scientific knowledge.

With the content of papers secured for free, the publisher needs only find a market for its journal. Until this century, university libraries were not very price sensitive. Since academic careers depend on publication, the demand for scientific publications is unbounded except by the price that scholarly libraries can be forced to pay. Scientific publishers routinely report profit margins approaching 40% on their operations, at a time when the rest of the publishing industry is in an existential crisis.



Open access

Research data

Science and Society

Position statements

Elsevier partners with the research community to empower open science.

**UK Partnership** 

Working together, we can achieve a more inclusive, collaborative and transparent world of research. We believe open science can benefit research and society and drive research performance.

#### Open Science

#### Empowering Knowledge™

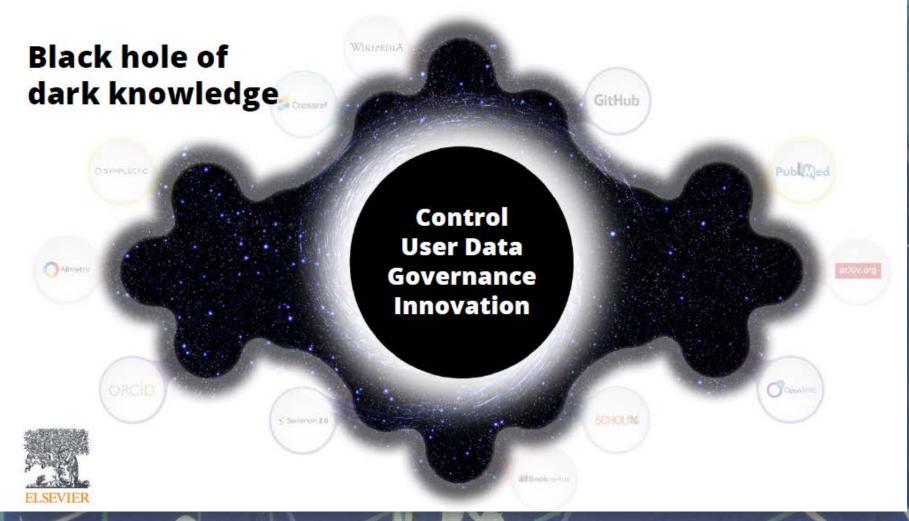
outputs than ever before. We support a more open and inclusive research experience through our journals, tools and platforms.

Elsewier partners with the research community to empower open science. Working together, we can achieve a more inclusive, collaborative and transparent world of research. We believe open science can benefit research and society and drive research performance. Here are some of the ways in which we are supporting open science.





# [ma la rete si allarga]



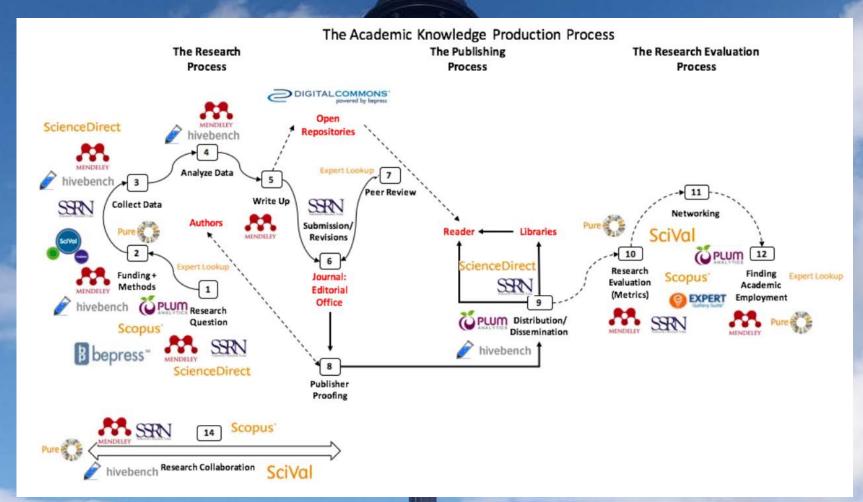
## ...arriva ovunque...

### Publishers are increasingly in control of scholarly infrastructure and why we should care

A Case Study of Elsevier

Written by: Alejandro Posada and George Chen, University of Toronto Scarborough

Published on September 20th 2017



Apr. 2016

Reading: Opening the Black Box of Scholarly Communicatio Funding: A Public Data Infrastructure for F...







Opening the Black Box of Scholarly Communication Funding: A Public Data Infrastructure for Financial Flows in Academic **Publishing** 

Authors: Stuart Lawson 🔀, Jonathan Gray, Michele Mauri

2010 2011 2012 2013 2014

Elsevier £36,781,827 £39,476,813 £34,177,020 £39,079,332 £39,812,145

Wiley £13,460,226 £14,662,250 £15,616,311 £16,369,917 £16,875,190 Springer £7,311,046 £7,309,094 £7,906,177 £7,940,116 £8,542,997 Taylor & Francis £8,319,095 £9,140,572 £9,710,528 £10,084,350 £10,828,334 £4,495,313 £5,085,196 £5,608,296 £5,869,791 £5,990,818 Sage £2,925,607 Oxford University £1,996,163 £2,163,242 £2,395,136 £2,669,757 Press Cambridge £1,447,978 £1,462,214 £1,690,078 £1,832,177 £1,885,485 University Press Nature Publishing £2,998,040 £3,593,308 £4,066,962 £4,273,822 £4,430,900 Group Royal Society of £806,129 £867,752 £1,062,237 £1,062,948 £1,101,860 Chemistry Institute of Physics £1,373,533 £1,091,517 £1,119,070 £1,197,958 £1,279,691

£88,333,015

£90,859,384

£93,766,870

£82,184,527

Publishing

Total for these 10

£76,102,528

... e non dice i prezzi.

Without nondiscolsure clauses we can't segment the market

fair competition between different countries https://w .voutube.com/\

Elsevier's David Tempest explains subscription-contract confidentiality clauses

#### Dec 3, 2016



#### Martin Paul Eve

Professor of Literature, Technology and Publishing at Birkbeck, University of London

☐ Email

**■** Books

#### Referring Elsevier/RELX to the Competition and Markets Authority

Today, along with Stuart Lawson and Jon Tennant, I have submitted the below as a complaint Competition and Markets Authority, making good on the advice of Ann McKechin, MP at th Inquiry into Open Access in 2013. The document is also available as a PDF.

Re: RELX Group in Industry 58.14/1

Dear Sir/Madam,

We write to complain about what we believe to be the anti-competitive practices of RELX Gro industry 58.14/1 ("Publishing of learned journals") on the following grounds:

- · Abuse of a dominant market position
- Problems in a market sector

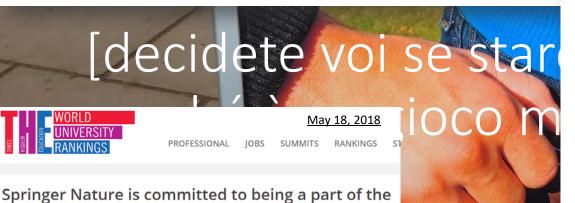
#### SPRINGER NATURE

Prospectus

for the public offering

12.2.2 Strong Leadership: Strategic Focus on Research, with a High-Quality Brand Portfolio, Global Scale and Favorable Positioning to Benefit from Strong Growth in the Open Access Publishing Market.

Brand strength is becoming increasingly important, as market participants increasingly differentiate in the open access market with regard to APCs according to a journal's impact factor. Our open access portfolio includes a large number of leading brands, such as such as Nature Communications, Scientific Reports and Springer Open, and high impact factor publications, positioning us well to command premium APCs from authors.



open-access movement

May 18, 2018

the interest of advancing research, says Steven Inchcoombe

Institutions, research funding bodies and publishers must all work together to change the system in

needed to fulfil our

stop using journal impact ractors in 1501a 28041520

The prospectus for the IPO of Springer Nature

proxy.dbagproject.de/mediacenter/re ... should be compulsory reading for any funder/university/agency representative negotiating with publishers. You can then question whether you should support #SciPost and similar initiatives, or can afford not to.

Traduci il Tweet

13:38 - 5 mag 2018

22 Retweet 28 Mi piace

otter con scaux/satus/9927303268

Jean-Sebastien Caux

our marketing (note: a prospectus is a legal

document aimed at potential investors, not a marketing tool for authors or librarians). In fact, for more than 10 years, long before DORA, Nature editorials have expressed concerns about the overuse

# ...la riprova che i prezzi non soi reali (non dipendono dai costi)

Prospectus dated April 25, 2018

#### SPRINGER NATURE

Prospectus

for the public offering

Compared to traditional publishers, open access publishers face lower barriers to entry. For example, pure open access market participants do not require a sizeable sales force. Furthermore, the technical equipment required for open access publishing, such as hardware and software, is becoming less expensive. While the offerings of new and smaller competitors may be of lower quality, an increase in these offerings may nevertheless lead to a reduction in demand for our subscription-based offerings. New competitors in the open access market may also gain market share, resulting in a weakening of our market position. Furthermore, increased competition in the open access market could put downward pressure on the APCs, thereby adversely affecting margins we earn in the open access business. If any of these risks were to materialize, our investments in the open access business model would not yield the expected returns, and our results could be materially adversely affected.

Springer Prospectus Apr. 25

... quindi, anche la crescita delle APC non fa altro che perpetuare la logica perversa degli abbonamenti...

## WHY OPEN ACCESS BIG DEALS ARE WORSE THAN SUBSCRIPTIONS Apr. 13, 2018

In: Science Politics • Tags: open access, publishers

Notwithstanding the barrage of criticisms and warnings from every corner of the scholarly community, various initiatives, mainly in the









# a comunicazione scientifica

## è un mercato

"They take our free labour, package it, and sell it back to us for windfall profits. The result is that one of our core activities - sharing research - is largely governed by the drive to deliver shareholder value. It doesn't have to be that way."

Jefferson Pooley, Muhlenberg College



Principles of the Self Journal of Science: bringing ethics and freedom to scientific publishing

Michael Bon<sup>1</sup>

http://www.sjscience.org/article?id=46

### Inappropriateness



The dissemination of Science is organized as a free market, where publishers compete for reputation and scientists compete for limited number of slots in journals. The rationale of the free market economy is to have efficient exchanges of rare and substitutable goods (apples, mobile phones, money...) between those who own them and those who want them. Yet scientific knowledge, unlike money, is something its owners want to share It is not a substituable good. Scientists do want to be paid, but in a different currency - one that involves recognition and credit – whose amount on Earth is not limited. Therefore, the current system is deeply inappropriate to disseminate Science: it creates an artificial rarity that overrides the exchanges naturally underlying Science.







#### **Bernard Rentier**

@bernardrentier



The accomplices are you and me, the researchers who pay to publish, the researchers who evaluate them, the researchers who review their articles graciously for the benefit of the publishers, the researchers who pay to read. All being afflicted with prestigedependency syndrome.

Traduci dalla lingua originale: inglese

10:13 - 18 feb 2018



irst report and recommendations If the Commission High Level Expert Group



But let's not ignore the facts: the science system is in landslide transition from data-sparse to data-saturated. Meanwhile, scholarly communication, data management methodologies, reward systems and training curricula do not adapt quickly enough if at all to this revolution. Researchers, funders and publishers (I always thought that meant making things public) keep each other hostage in a deadly embrace by continuing to conduct, publish, fund and judge science in the same

way as in the past century.

So far, no-one seems to be able to break this deadlock. Open Access articles are solve only a fraction of the problem. Neither 'open research data' alone will do. W



# [slamo sulla strada sbagliata]

Spinal Cord

Sept. 7, 2018

Editorial | Published: 07 September 2018

Guest Editori

Publication pressure and scientific misconduct: why we need more open governance

cord injury. First, there is incr methodology. These range fro neurological diseases, the lack contamination of neural cell li poor reliability of published re participant numbers are low). published research findings m commonly low in the biomedi surprisingly then, the rate of t

This research culture can lead to cost- and corner-cutting, with hasty publication of irreproducible results and poor-quality work—it's an era in which scientists can fall prey to the temptation to do whatever they can get away with in order to publish. This leads to scientific misconduct, commonly defined as 'fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in

is slow and problematic [3]. Second, the number of papers retracte

from the peer-reviewed literature is also increasing [4]. Third, the is an over-reliance on a scientist's publication metrics (numbers, journal impact factors, citation numbers) for progression, promo prizes, and research grants. Indeed, gaming the metrics of scientant occupational requirement for scientists, journal staff and university administrators. Publications now contain more spin (reliance on findings which are not justified by the statistics) and more liberal use of words such as 'novel' [5]. These trends are displayed by an unhealthy culture in which it can be more important to progression and the publish a correct result [6, 7]. The trends also expo

deep flaws in the current systems of peer review.

- metodologia non solida
- risultati falsi, peer review debole
  - enfasi sulla pretesa «novità»
  - metriche onnipotenti, per cui truffare per gonfiarle è obbligo
- «PUBBLICARE UN RISULTATO»
   INVECE DI UN «RISULTATO
   CORRETTO»



