



HAL
open science

Fake science : panorama des méconduites et contre-feux pour déjouer les pièges

Guillaume Cabanac

► **To cite this version:**

Guillaume Cabanac. Fake science : panorama des méconduites et contre-feux pour déjouer les pièges. Doctorat. Formation URFIST, France. 2025. hal-04225515v10

HAL Id: hal-04225515

<https://ut3-toulouseinp.hal.science/hal-04225515v10>

Submitted on 18 Feb 2025

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution 4.0 International License



<https://hal.science/hal-04225515>

Fake science :

Panorama des méconduites et contre-feux pour déjouer les pièges

Guillaume Cabanac



**institut
universitaire
de France**



Institut de Recherche
en Informatique de Toulouse
CNRS - INP - UT3 - UT1 - UT2J



European Research Council
Established by the European Commission

The NanoBubbles project has received Synergy grant funding from the European Research Council (ERC), within the European Union's Horizon 2020 programme, grant agreement no. 951393.

MENACES

Hijacked

Journals

Fake

Conferences



Gold APC aka Author Pays
(Author Processing Charges)



Predatory

Grey

×

Publishers

Publish or Perish

Paper mills

Authorship

Article

Reviewers

... for sale

Crooked (Guest) Editors

Plethoric Special Issues

Conflicts of Interests

POLLUTION

Gaming the Metrics

Highly Cited Researchers™

SCIgen

Guest

Authors

Machine Generation

Mathgen

Impersonated

×

Institutions

AI LLMs

Ghost

Hallucinations

Citation

Plantation

p-hacking

Image Doctoring
aka
Photoshopping

Ring/Cartel

Data Fabrication

Overgeneralisation

Miscitation

Spinning

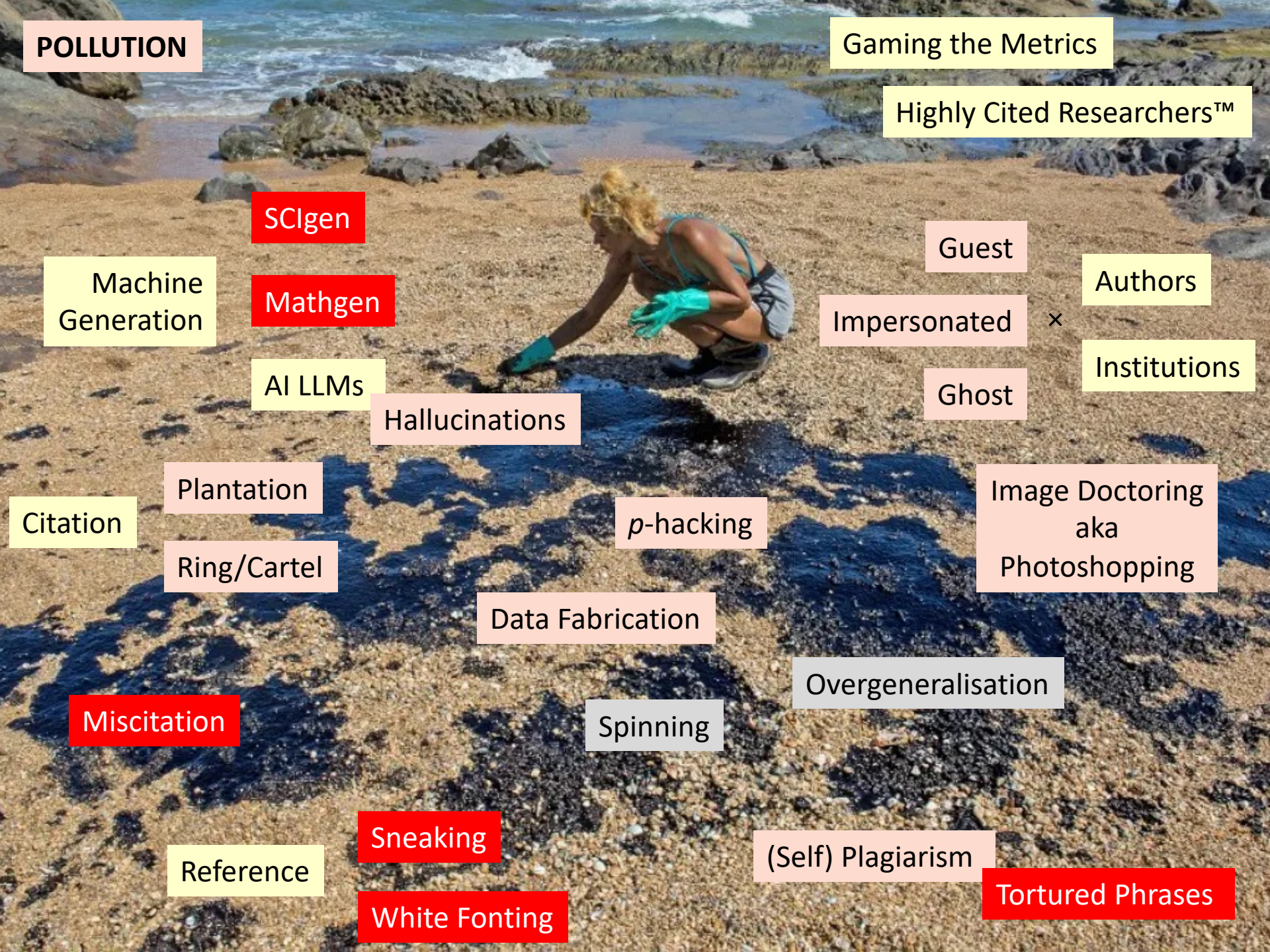
Reference

Sneaking

(Self) Plagiarism

White Fonting

Tortured Phrases



ÉVALUATION POST PUBLICATION – POST PUBLICATION PEER REVIEW

Organised Scepticism

Digital Hygiene

Replication Crisis

Correction/Erratum

'Honest' Error

Retraction

Falsification

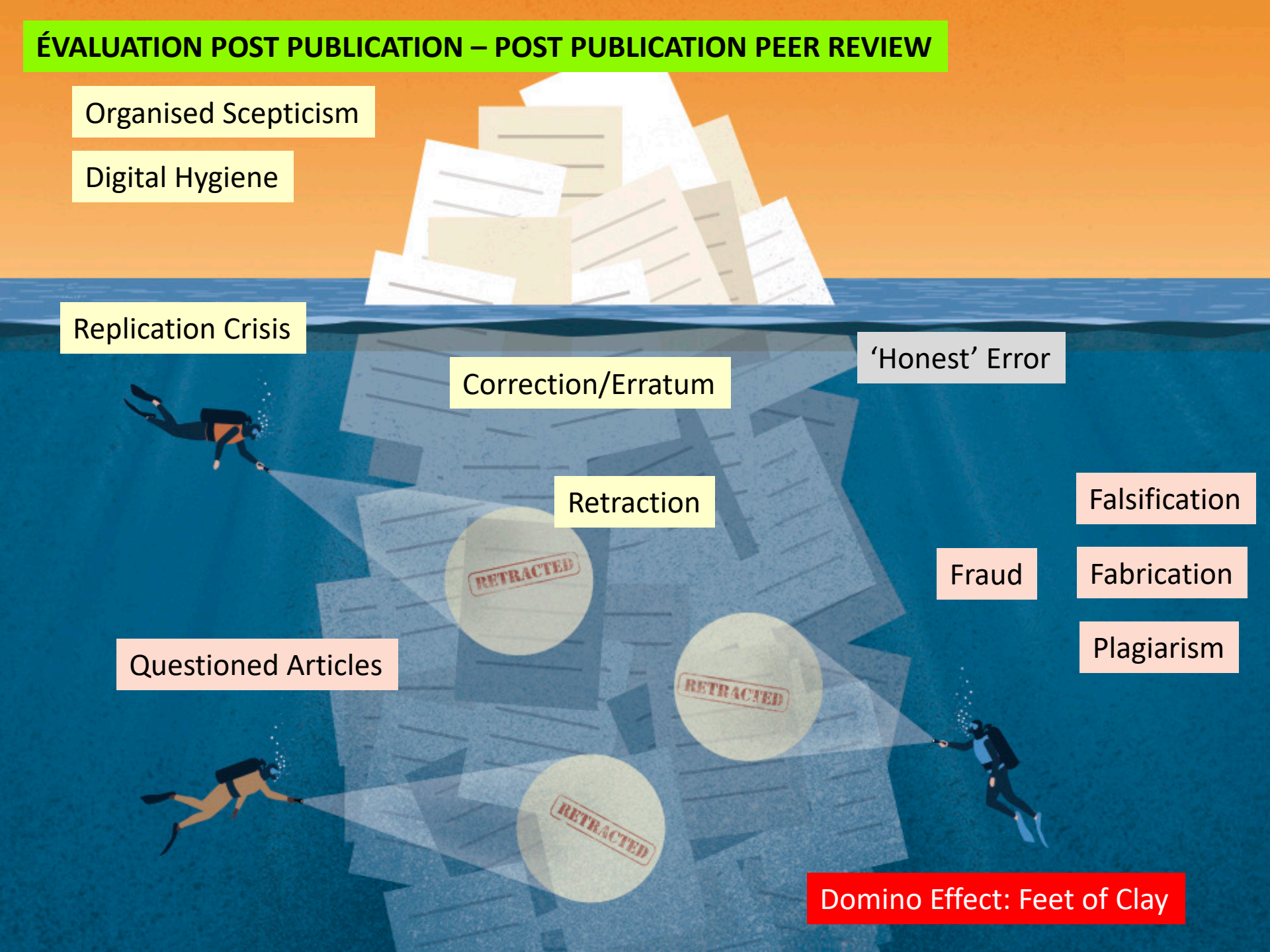
Fraud

Fabrication

Questioned Articles

Plagiarism

Domino Effect: Feet of Clay



Des aiguilles rouillées dans une botte de 150+ million publications

Problematic Paper Screener

- Home
- Media Coverage

- Fingerprints
- All Problematic Papers

Detectors:

- 0 Annulled
- 1 Tortured
- 2 SCIdgen
- 3 Mathgen
- 4 SBIR
- 5 Suspect
- 6 Seek&Blastn
- 7 Problematic Cell Lines
- 8 Citejacked
- 9 Feet of Clay



Problematic Paper Screener

Est. February 27th, 2021

Stable URL: <https://www.irit.fr/~Guillaume.Cabanac/problematic-paper-screener>

This website shows reports the daily screening of papers (partly) generated with:

- ▶ Tortured phrases 🔥
- ▶ SCIdgen
- ▶ Mathgen

... and other issues such as [Citejacked papers](#).

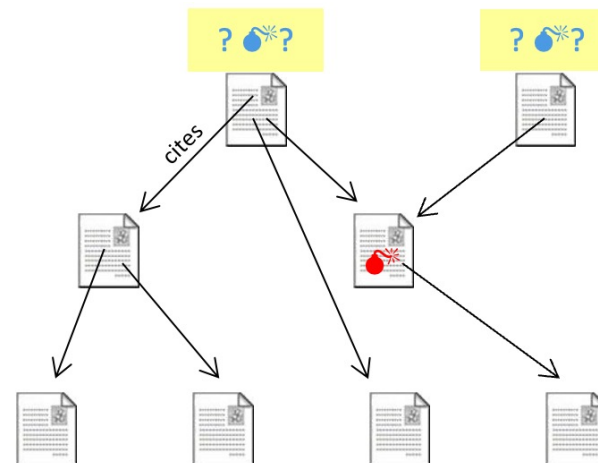
Harvesting data from these APIs:

- ▶ Crossref, now including the [Retraction Watch Database](#)
- ▶ Dimensions, see our [webinar](#) and the associated [blog post](#)
- ▶ PubMed
- ▶ PubPeer



"Problematic Paper Screener" 🔍

10684 results



66k

19k

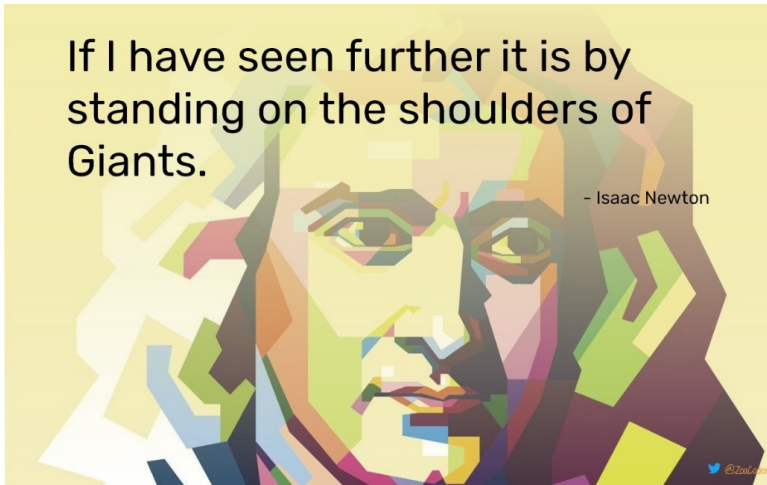
5k

787k

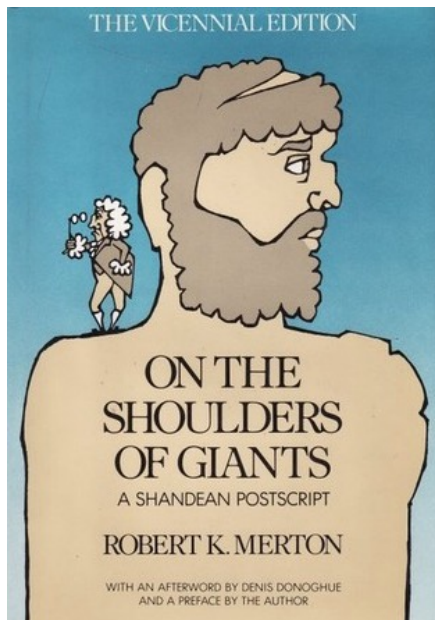
La science : accumulation des connaissances

If I have seen further it is by standing on the shoulders of Giants.

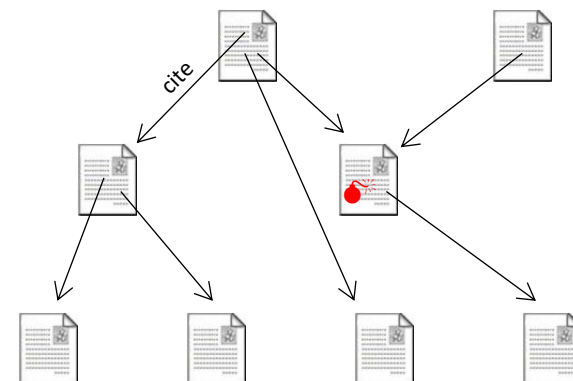
- Isaac Newton



la science forme le mur de la connaissance



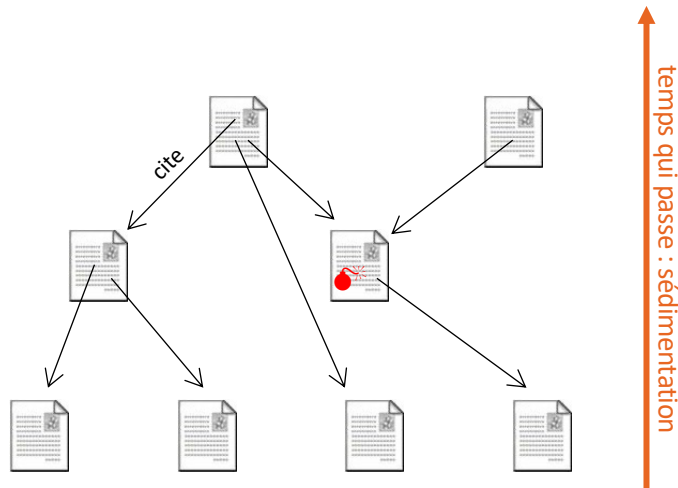
1965



↑ temps qui passe : sédimentation

Processus d'auto-correction

publication erronée = édifice fragilisé



American Economic Review: Papers & Proceedings 100 (May 2010): 573–578

Growth in a Time of Debt

By CARMEN M. REINHART AND KENNETH S. ROGOFF



⇒ politiques d'austérité

May 5, 2013

Errata:

“Growth in A Time of Debt”

Carmen M. Reinhart and Kenneth S. Rogoff

Harvard University



publication corrigée ou rétractée

Le serment des scientifiques

A NOTE ON SCIENCE AND DEMOCRACY

by ROBERT K. MERTON



Évaluation par les pairs

Four Norms of Science

1. COMMUNALISM

→ All scientists should have common ownership of scientific goods (intellectual property), to promote collective collaboration; **SECRECY** is the **OPPOSITE** of this norm! *scientists should SHARE!*

2. UNIVERSALISM

→ Scientific validity is independent of the socio-political status or personal attributes of its participants. *"The intensity of a conviction that a hypothesis is true has no bearing over whether it is true or not." - Sir Peter Medawar*

3. DISINTERESTEDNESS (a mouthful!)

→ Scientific institutions act for the benefit of a common scientific enterprise, rather than for the personal gain of individuals within them. *This is why a LOT of people are freaked out by pharmaceutical companies, for example.*

4. ORGANIZED SKEPTICISM (Yow!)

→ Scientific claims should be exposed to critical scrutiny before being accepted, both in methodology and institutional codes of conduct. *All scientific claims are pending, awaiting the critical scrutiny of other scientists.*

Robert K. Merton

(7/2/1910 - 2/13/1983)

American Sociologist

Awarded the National Medal of Science!



Le champ (de bataille) scientifique

La spécificité du champ scientifique et les conditions sociales du progrès de la raison

PIERRE BOURDIEU

Sociologie et sociétés

71 (1975): 91–118.



Dire que le **champ est un lieu de luttes**, ce n'est pas seulement rompre avec l'image irénique de la « communauté scientifique » telle que la décrit l'hagiographie scientifique — et souvent, après elle, la sociologie de la science —, c'est-à-dire

La sociologie de la science repose sur le postulat que la vérité du produit, — s'agirait-il de ce produit très particulier qu'est la vérité scientifique —, réside dans une espèce particulière de **conditions sociales de production**; c'est-à-dire, plus précisément, dans un état déterminé de la structure et du fonctionnement du champ scientifique. L'univers « pur » de la science la plus « pure » est un champ social comme un autre, avec ses **rapports de forces et ses monopoles**, ses luttes et ses stratégies, ses intérêts et ses profits, mais où tous ces *invariants* revêtent des formes spécifiques.

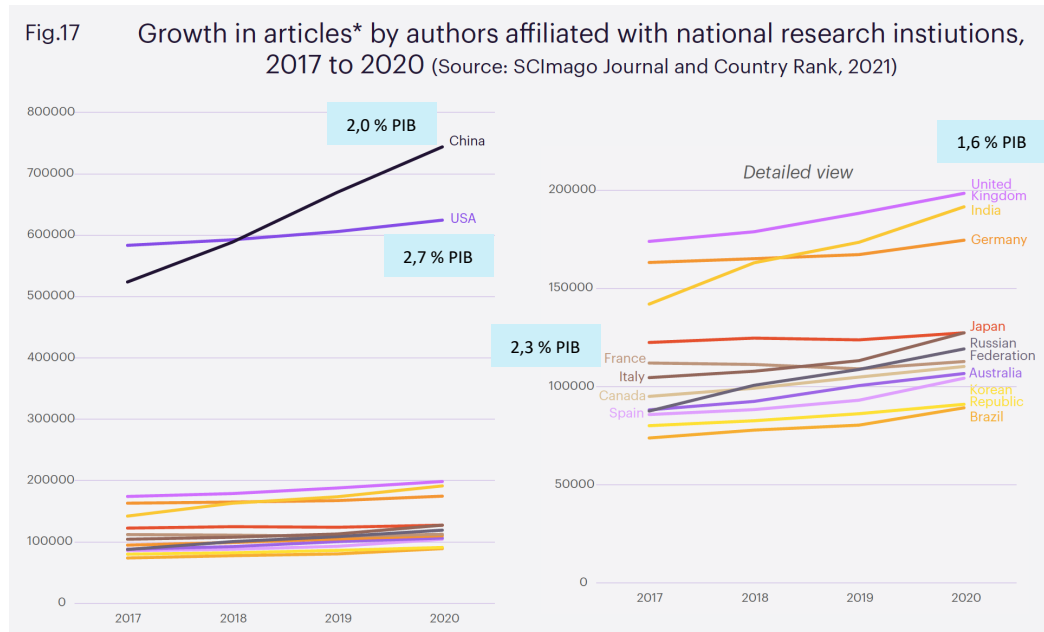
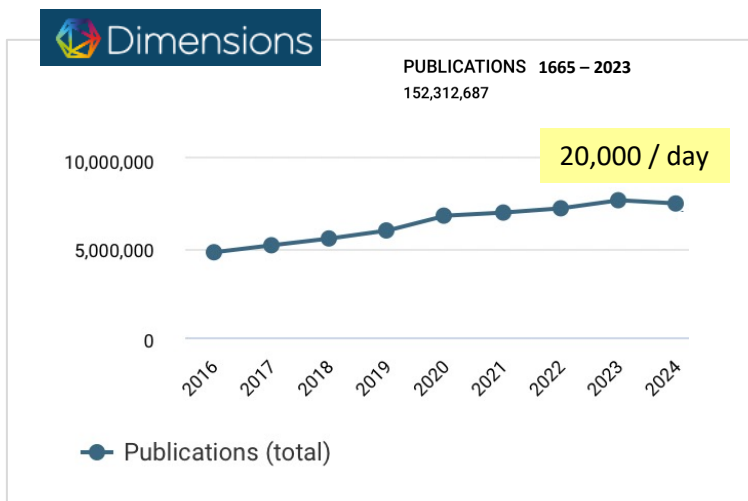
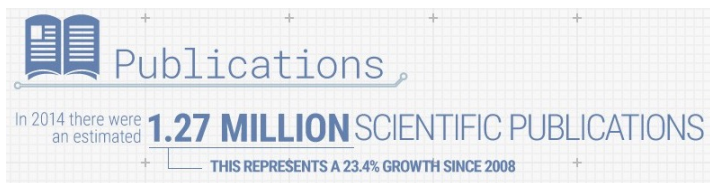
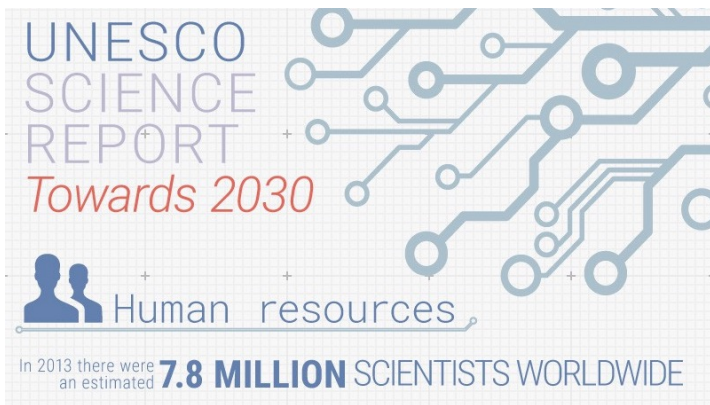
knowledge in his field ». **Les honneurs de grand prestige, « awards, prizes, grants, lectureships, professorships, etc. », sont les signes de reconnaissance réservés aux « great men »** (B. G. Glaser, « Comparative Failure in Science », *Science*, mars 6, 1964, vol. 143, n° 3610, pp. 1012-1014).

Du fait que toutes les pratiques sont orientées vers l'**acquisition de l'autorité scientifique** (prestige, reconnaissance, célébrité, etc.), enjeu intrinsèquement *double*, ce que l'on appelle communément « l'intérêt » pour une activité scientifique (une discipline, un secteur de cette discipline, une méthode, etc.) est toujours à double face ; et de même les stratégies qui tendent à assurer la satisfaction de cet intérêt.

philosophie spontanée de la science qui trouve son expression dans la tradition positiviste, forme de **l'optimisme libéral** qui veut que la science progresse par la **force intrinsèque de l'idée vraie** et que les « puissants » soient aussi par définition **les plus « compétents »**⁵⁷ : il suffit de penser à des états anciens du champ des

La **reconnaissance socialement marquée** et garantie (par tout un ensemble de **signes spécifiques de consécration**)¹² que le groupe des pairs-concurrents accorde à chacun de ses membres est fonction de la *valeur distinctive* de ses produits et de l'*originalité* collectivement reconnue (au sens de la théorie de l'information) de la contribution qu'il apporte aux ressources scientifiques déjà accumulées. Le fait que

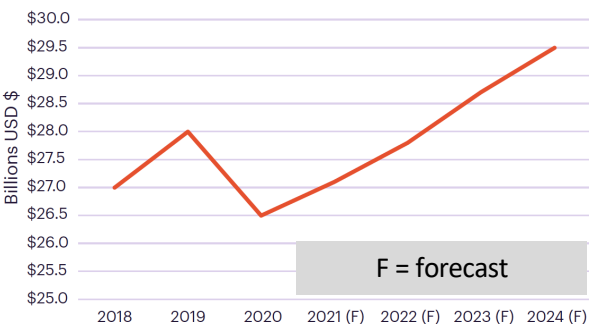
Massification et mondialisation



STM Global Brief 2021

Un business et des oligopoles

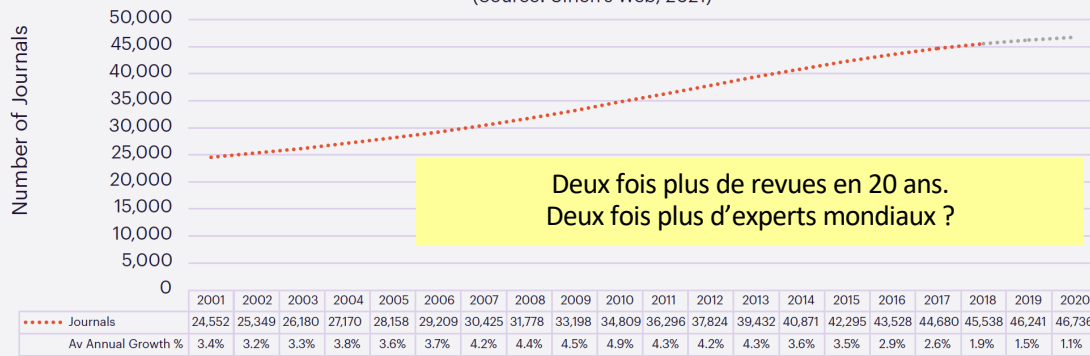
Total STM Market Value (Source: Outsell, Inc. 2021)



STM Global Brief 2021

Fig.13

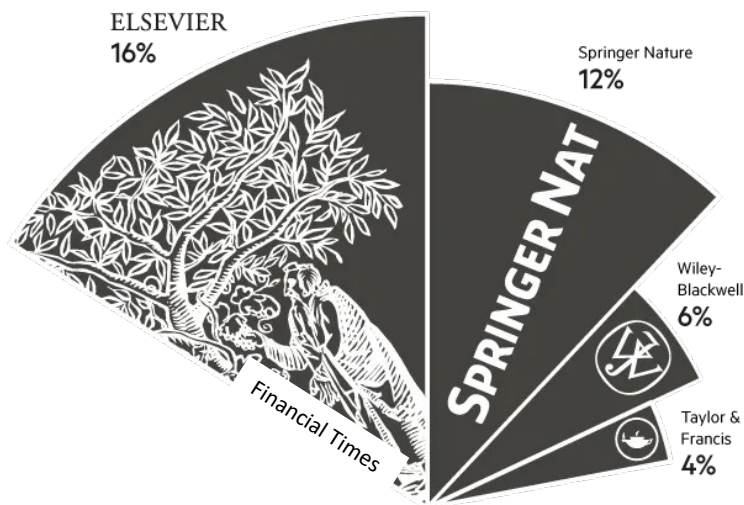
Growth in Number of Journals 2000-2020
(Source: Ulrich's Web, 2021)



STM Global Brief 2021

Elsevier top of the league

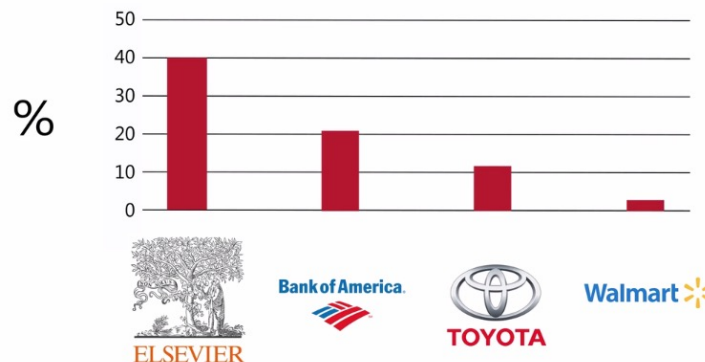
Global market share of journal articles by leading publishers, 2013 (%)



Source: company

Film "Paywall : the Business of Scholarship"

CORPORATE PROFIT MARGINS



Les éditeurs prédateurs et leurs revues bidon

Predatory journals



The definition

The consensus definition reached was: "Predatory journals and publishers are entities that prioritize self-interest at the expense of scholarship and are characterized by false or misleading information, deviation from best editorial and publication practices, a lack of transparency, and/or the use of aggressive and indiscriminate solicitation practices."

210 | Nature | Vol 576 | 12 December 2019

NATURE | VOL 534 | 16 JUNE 2016

Ban predators from the scientific record

Predatory journals are threatening the credibility of science. By faking or neglecting peer review, they pollute the scholarly record with fringe or junk science and activist research. I suggest that every publishing stakeholder could contribute to reining in these journals.

...

Jeffrey Beall *Auraria Library,
University of Colorado Denver,
USA.*
jeffrey.beall@ucdenver.edu

Nature | Vol 598 | 28 October 2021

Predatory publishers' latest scam: bootlegged and rebranded papers

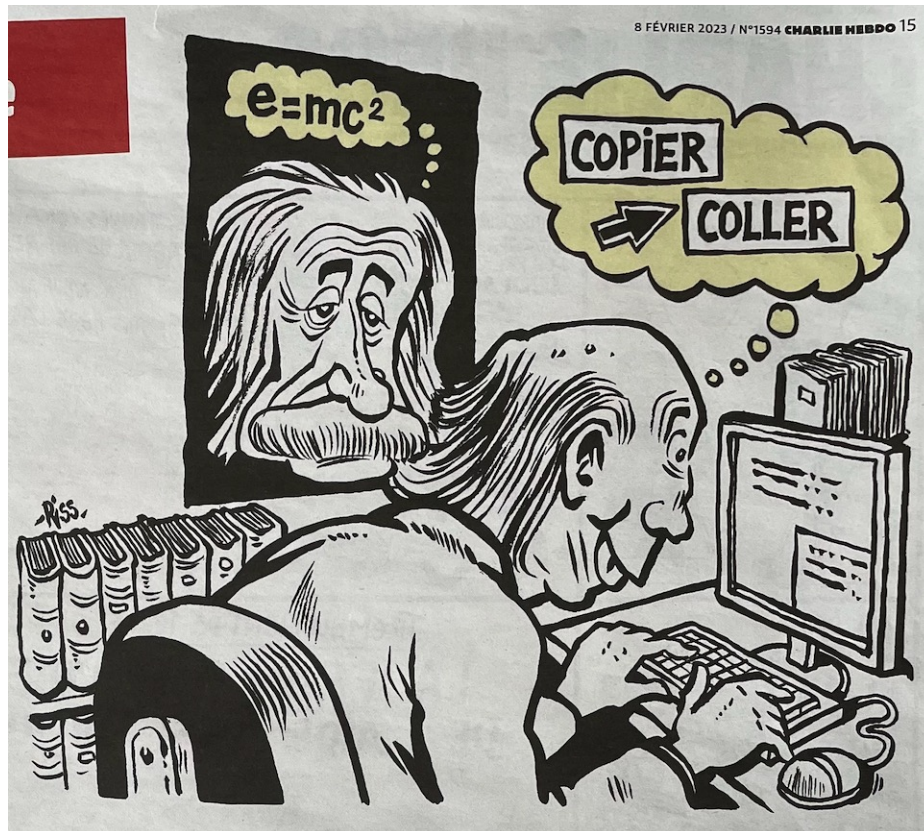
Kyle Siler, Philippe Vincent-Lamarre, Cassidy R. Sugimoto & Vincent Larivière



Manquements à l'intégrité scientifique

Un court panorama de cas contemporains...

... ça n'arrive pas qu'aux autres labos/personnes...



Focus sur des mesures préventives concrètes

1. Usurpation d'identité



<https://retractionwatch.com>

French ocean institute goes public about authors who forged their researchers' names

The National Institute for Ocean Science (Ifremer) in France has flagged 11 papers on PubPeer for concerns including faked au-



thorship and plagiarism, and has blasted the journals involved for their failure to adequately address the unethical work.

In some cases, for example the *International Journal of Innovative Computing, Information and Control*, editors have removed the names of the forged authors without informing readers.

A name that appears on nine of the articles is Bertrand Chapron, a researcher at Ifremer. **Chapron had nothing to do with the articles** – a fact his institution has been pointing out to the journals involved, without satisfaction, while noting that two of his putative co-authors have highly suspect affiliations.

Prévention :

- monitorer via alertes Google Scholar
- chercher régulièrement son identité avec l'expression "prénom nom"

2. Plagiat *in extenso* d'un article

Taylor & Francis Online

Home ▶ All Journals ▶ Korean Journal of Biological Sciences ▶ List of Issues ▶ Volume 4, Issue 3 ▶ Effects of microgravity and hypergravity

Korean Journal of Biological Sciences >
Volume 4, 2000 - Issue 3

Journal homepage

383 Views
2 CrossRef citations to date
6 Altmetric

Original Articles

Effects of microgravity and hypergravity on aging and longevity of insects

Hak Ryul Kim
Pages 231-237 | Received 24 Jun 2000, Accepted 22 Jul 2000, Published online: 22 Nov 2010
Download citation | <https://doi.org/10.1080/12265071.2000.9647549>

References Citations Metrics Licensing Reprints & Permissions PDF

Sample our Bioscience Journals
>> Sign in here to start your access to the latest two volumes for 14 days

The effects of microgravity and hypergravity on aging are still poorly documented, particularly in mammals. However, there is a growing interest for the use of the fruit fly, *Drosophila melanogaster*, and this species may be now considered as a model organism in gravitational biology studies dealing with aging.

Q Key words: [Aging](#) [Drosophila melanogaster](#) [Hypergravity](#) [Insect](#) [Longevity](#) [Microgravity](#)

Related research

People also read Recommended articles

The role of cellular senescence in ... through the prism of Koch-like c...

Hagai Yanai et al.
Ageing Research Reviews
01 Oct 2017

Guillaume Cabanac (@gcabanac@sciences.re) @gcabanac

"a complete plagiarism": a T&F 2000 paper plagiarised a 1999 paper by a @CNRS researcher @CbiToulouse @UT3PaulSabatier. Twenty years later, the copy-paste 'article' is still online, cited, unretracted, no caveat displayed 🤔. High time to act @tandfonline! [pubpeer.com/publications/9...](https://pubpeer.com/publications/95A46C763AC2D8A440515DDACC1C29)

Plagiat complet de (Le Bourg, 1999), article d'un chercheur de l'Université Toulouse 3. Il n'a été rétracté en ligne qu'en 2022 !

Prévention :

- analyser les Google Scholar Alerts
- signaler les plagiat aux éditeurs

#1 Guillaume Cabanac commented June 2022

Because it was found to plagiarise (Le Bourg, 1999), this paper was discussed in:

Butler, D. (2008). Entire-paper plagiarism caught by software. In *Nature* (Vol. 455, Issue 7214, pp. 715–715). Springer Science and Business Media LLC.
<https://doi.org/10.1038/455715a>

It has been retracted by the editors of *Animal Cells and Systems* who report on their investigation in:

Rhee, M., Chung, C. H., & Nam, S. H. (2009). Response to the publisher's note. In *Experimental Gerontology* (Vol. 44, Issue 4, pp. 305–305). Elsevier BV.
<https://doi.org/10.1016/j.exger.2009.01.001>

<https://pubpeer.com/publications/95A46C763AC2D8A440515DDACC1C29>

3a. Plagiat massif d'articles

Accepté en Oral presentation à CVPR 2022 : critique de l'évaluation par les pairs

The CVPR paper is the Open Access version, provided by the Copyright Clearance Center (CCC) and the IEEE Computer Society. The Open Access version is available at <https://openaccess.thine.org>.

EEV-SIDE: From Asynchronous Events to Fast and Continuous Video Reconstruction via Neural Stochastic Differential Equations

Jingpan Kan¹, Donglai Luo², Bingyang Nie³, Xiangyu Xie⁴, Junqiang Wu^{1,2}, Xiangyuan Sun^{1,2}

¹ Tsinghua University, ² Beijing University of Aeronautics and Astronautics, ³ Beijing University of Posts and Telecommunications, ⁴ Beijing University of Information Science and Technology

Abstract

Event cameras are highly sensitive to brightness changes in the scene and asynchronous in time. This paper proposes a novel framework for event reconstruction. The proposed framework consists of a neural stochastic differential equation (NSDE) to model the event generation process and a variational autoencoder (VAE) to reconstruct the event images. The NSDE is trained on a large dataset of event images and is able to reconstruct event images from a few event frames. The VAE is trained on a large dataset of event images and is able to reconstruct event images from a few event frames. The proposed framework is able to reconstruct event images from a few event frames and is able to reconstruct event images from a few event frames.



3. Preliminaries

3.1. Stochastic Differential Equations

SDEs are defined as stochastic equations of ordinary differential equations in the form $dx_t = \mu(x_t)dt + \sigma(x_t)dw_t$, where $\mu(x_t)$ and $\sigma(x_t)$ are drift and diffusion coefficients, respectively. The solution of an SDE is a stochastic process x_t starting from an initial condition x_0 at time $t=0$. The Itô calculus is used to derive the stochastic differential equation for the reconstruction process.

$$dx_t = \mu(x_t)dt + \sigma(x_t)dw_t$$
$$\mu(x_t) = \mu_0 + \mu_1 x_t + \mu_2 x_t^2$$
$$\sigma(x_t) = \sigma_0 + \sigma_1 x_t + \sigma_2 x_t^2$$

The drift coefficient $\mu(x_t)$ and the diffusion coefficient $\sigma(x_t)$ are functions of the state x_t . The solution of the SDE is a stochastic process x_t starting from an initial condition x_0 at time $t=0$. The Itô calculus is used to derive the stochastic differential equation for the reconstruction process.

3.2. Variational Autoencoder

The VAE is used to reconstruct the event images from a few event frames. It consists of an encoder that maps the event frames to a latent space and a decoder that maps the latent space back to the event images. The VAE is trained on a large dataset of event images and is able to reconstruct event images from a few event frames.

$$z = \text{Encoder}(x)$$
$$\hat{x} = \text{Decoder}(z)$$

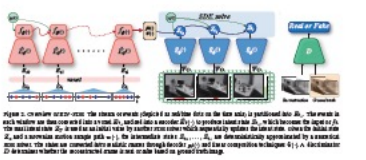
3.2. Variational Autoencoder

The VAE is used to reconstruct the event images from a few event frames. It consists of an encoder that maps the event frames to a latent space and a decoder that maps the latent space back to the event images. The VAE is trained on a large dataset of event images and is able to reconstruct event images from a few event frames.

$$z = \text{Encoder}(x)$$
$$\hat{x} = \text{Decoder}(z)$$

3.3. Stochastic Differential Equations

SDEs are defined as stochastic equations of ordinary differential equations in the form $dx_t = \mu(x_t)dt + \sigma(x_t)dw_t$, where $\mu(x_t)$ and $\sigma(x_t)$ are drift and diffusion coefficients, respectively. The solution of an SDE is a stochastic process x_t starting from an initial condition x_0 at time $t=0$. The Itô calculus is used to derive the stochastic differential equation for the reconstruction process.

$$dx_t = \mu(x_t)dt + \sigma(x_t)dw_t$$
$$\mu(x_t) = \mu_0 + \mu_1 x_t + \mu_2 x_t^2$$
$$\sigma(x_t) = \sigma_0 + \sigma_1 x_t + \sigma_2 x_t^2$$


3.4. Stochastic Differential Equations

SDEs are defined as stochastic equations of ordinary differential equations in the form $dx_t = \mu(x_t)dt + \sigma(x_t)dw_t$, where $\mu(x_t)$ and $\sigma(x_t)$ are drift and diffusion coefficients, respectively. The solution of an SDE is a stochastic process x_t starting from an initial condition x_0 at time $t=0$. The Itô calculus is used to derive the stochastic differential equation for the reconstruction process.

$$dx_t = \mu(x_t)dt + \sigma(x_t)dw_t$$
$$\mu(x_t) = \mu_0 + \mu_1 x_t + \mu_2 x_t^2$$
$$\sigma(x_t) = \sigma_0 + \sigma_1 x_t + \sigma_2 x_t^2$$

4. Experiments and Results

4.1. Experimental Setup

The proposed framework is evaluated on a large dataset of event images. The dataset is divided into training and testing sets. The proposed framework is trained on the training set and evaluated on the testing set. The performance is measured in terms of reconstruction quality and reconstruction speed.

4.2. Results

The proposed framework achieves state-of-the-art performance on the event image reconstruction task. It is able to reconstruct event images from a few event frames and is able to reconstruct event images from a few event frames.

Method	PSNR	SSIM	LPIPS
EEV-SIDE	0.85	0.75	0.15
VAE	0.75	0.65	0.25
SDE	0.65	0.55	0.35

5. Conclusion

The proposed framework achieves state-of-the-art performance on the event image reconstruction task. It is able to reconstruct event images from a few event frames and is able to reconstruct event images from a few event frames.

6. Acknowledgments

This work was supported by the National Natural Science Foundation of China (Grant No. 61871401) and the Beijing Natural Science Foundation (Grant No. 4182010).

6. Acknowledgments

This work was supported by the National Natural Science Foundation of China (Grant No. 61871401) and the Beijing Natural Science Foundation (Grant No. 4182010).

7. References

- [1] J. Kan, D. Luo, B. Nie, X. Xie, J. Wu, and X. Sun, "EEV-SIDE: From Asynchronous Events to Fast and Continuous Video Reconstruction via Neural Stochastic Differential Equations," *arXiv preprint arXiv:2203.15441*, 2022.
- [2] J. Kan, D. Luo, B. Nie, X. Xie, J. Wu, and X. Sun, "EEV-SIDE: From Asynchronous Events to Fast and Continuous Video Reconstruction via Neural Stochastic Differential Equations," *arXiv preprint arXiv:2203.15441*, 2022.

7. References

- [1] J. Kan, D. Luo, B. Nie, X. Xie, J. Wu, and X. Sun, "EEV-SIDE: From Asynchronous Events to Fast and Continuous Video Reconstruction via Neural Stochastic Differential Equations," *arXiv preprint arXiv:2203.15441*, 2022.
- [2] J. Kan, D. Luo, B. Nie, X. Xie, J. Wu, and X. Sun, "EEV-SIDE: From Asynchronous Events to Fast and Continuous Video Reconstruction via Neural Stochastic Differential Equations," *arXiv preprint arXiv:2203.15441*, 2022.

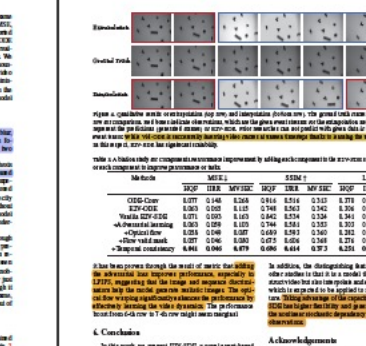
8. Appendix

8.1. Additional Results

Additional results are provided in the appendix, showing the performance of the proposed framework on different datasets and configurations.

8.2. Qualitative Results

Qualitative results are provided in the appendix, showing the reconstructed event images from a few event frames.



3b. Plagiat d'articles

Visualiser les « emprunts » : [SimTexter](#) et [Text Compare](#)

The screenshot displays the SimTexter web interface, which is used for comparing two text documents to identify similarities. The interface is split into two main columns: 'mon article' (left) and 'plagiat suspecté' (right). At the top left, the 'similarity texter' logo and a 'TEXT-Comparison Tool' label are visible. The 'mon article' column shows a text input field with the title 'Salivary Diagnostics for Managing Cellular Oxidative Stress' by W. Jean Dodds, published in Hemopet, 938 Stanford Street, Santa Monica, California, USA, DOI: 10.26717/BJSTR.2019.18.003095. The text below discusses oxidative stress, antioxidants, and biomarkers. The 'plagiat suspecté' column shows a text input field with the title 'BIOMARKERS OF OXIDATIVE STRESS IN DOGS' by W. Jean Dodds, published in Medical Research Archives vol 6 issue 5, Medical Research Archives, Hemopet, 938 Stanford Street, Santa Monica, CA 90403, USA. The text below is a shorter version of the article in the 'mon article' column. The interface includes a 'OUTPUT' section at the top left, a 'TEXT: Plain text input' label, and a 'TEXT: Plain text input' label for the second document. The 'OUTPUT' section is currently empty. The 'mon article' column has a yellow highlight box around the title and author information. The 'plagiat suspecté' column has a yellow highlight box around the title and author information. The text in both columns is highlighted in yellow to show similarities. The 'mon article' column has a yellow highlight box around the title and author information. The 'plagiat suspecté' column has a yellow highlight box around the title and author information. The text in both columns is highlighted in yellow to show similarities. The 'mon article' column has a yellow highlight box around the title and author information. The 'plagiat suspecté' column has a yellow highlight box around the title and author information. The text in both columns is highlighted in yellow to show similarities.



4. Plagiat du site d'une conférence scientifique

Association présidée par Laure VIEU (CNRS-IRIT).

The International Association for Ontology and its Applications

FOIS 2023 conference

Formal Ontology in Information Systems Conference for 2023, hosted by IAOA and the GRIIS in Sherbrooke, QC, Canada

General information

13th International Conference on Formal Ontology in Information Systems (FOIS 2023), July 17-20, 2023 (Sherbrooke, QC, Canada) and Sept 18-20, 2023 (Online)

FOIS 2023 CALL FOR PAPER

13th International Conference on Formal Ontology in Information Systems (FOIS 2023), July 17-20, 2023 (Sherbrooke, QC, Canada) and Sept 18-20, 2023 (Online) <http://fois2023.griis.ca> For any questions, please email: fois2023@gmail.com Definition and scope The FOIS [...]

[Read more »](#)

Conférence prédatrice détectée

World Academy of Science, Engineering and Technology

Search Conferences

Conferences Disciplines Committees Publications Support Login Register

210 | Nature | Vol 576 | 12 December 2019

Conferences / Formal Ontology in Information Systems

International Conference on Formal Ontology in Information Systems

Formal Ontology in Information Systems Conference aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Formal Ontology in Information Systems Conference. It also provides a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Formal Ontology in Information Systems Conference.

Upcoming Conferences

October 2023 in Istanbul

February 2024 in Kuala Lumpur

The World Academy of Science, Engineering and Technology or WASET is a predatory publisher of open access academic journals. The publisher has been listed as a "potential, possible, or probable" predatory publisher by American library scientist Jeffrey Beall^[1] and is listed as such by the Max Planck Society^[2] and Stop Predatory Journals.^[3] WASET's estimated annual revenue in 2017 alone was over \$4 million,^[4] with other estimates ranging from \$8.9 million to \$11.9 million for the years 2014 to 2019 combined.^[6]

World Academy of Science, Engineering and Technology	
Status	Active
Founder	Cemal Ardil
Country of origin	Turkey
Distribution	Worldwide
Publication types	Open access journals
Nonfiction topics	Science, technology, and medicine
Official website	www.waset.org

Conferences [edit]

WASET has been accused of arranging predatory conferences, in order to artificially boost the academic credentials of presenters and paper submitters.^{[7][8]} It claims to organize several thousands of scientific conferences a year, using names that are the same or similar to real conferences organized by established scientific groups.^{[9][10]} Legitimate conferences have publicly warned of identically named, fake WASET conferences.^{[11][12]} In 2015, the University of Toronto released a "scam advisory" about a purported conference on their premises advertised by WASET.^{[13][14]} In 2018 WASET advertised 49,844 conferences, many of which share similar names.^[15] Hundreds of conferences may be scheduled for the same location on the same day.^{[16][17]} For example, 116 simultaneous scientific meetings were scheduled in a hotel in Rio de Janeiro in February 2016.^{[18][19]}

- Prévention :
- rechercher les acronyme, titre et CFP
 - vérifier les noms des membres du CP

5a. Imaginez lire ça dans un article d'une bonne revue...

counterfeit consciousness

man-made brainpower

artificial intelligence

sun oriented force

solar energy

pinnacle flag to clamor proportion (PSNR)

peak signal to noise ratio (PSNR)



credulous Bayes

bosom malignancy/peril

breast cancer

Thomas Bayes



Naive Bayes

nucleic corrosive enhancement tests (NAAT)

nucleic acid amplification tests (NAAT)

lactose bigotry

lactose intolerance

invulnerable framework

immune system

5b. Tortured Phrases: notre preprint de juillet 2021

Table 1 Tortured phrases we found in the literature along with their usual, correct wording.

Tortured phrase found in publications	Correct wording expected
profound neural organization (fake counterfeit) neural organization versatile organization organization (ambush assault) organization association	deep neural network artificial neural network mobile network network attack network connection
(enormous huge immense colossal) information information (stockroom distribution center)	big data data warehouse
(counterfeit human-made) consciousness	artificial intelligence (AI)
elite figuring haze figuring	high performance computing fog/mist/cloud computing
designs preparing unit focal preparing unit	graphics processing unit (GPU) central processing unit (CPU)
work process motor	workflow engine
facial acknowledgement discourse acknowledgement	face recognition voice recognition
mean square (mistake blunder) mean (outright supreme) (mistake blunder)	mean square error mean absolute error
(motion flag indicator sign signal) to (clamor commotion noise)	signal to noise
worldwide parameters	global parameters
(arbitrary irregular) get right of passage to (arbitrary irregular) (backwoods timberland lush territory) (arbitrary irregular) esteem	random access random forest random value
subterranean insect (state province area region settlement) underground creepy crawly (state province area region settlement)	ant colony ant colony
leftover vitality territorial normal vitality motor vitality	remaining energy local average energy kinetic energy
(credulous innocent gullible) Bayes	naïve Bayes
individual computerized collaborator	personal digital assistant (PDA)

arXiv.org > cs > arXiv:2107.06751

Computer Science > Digital Libraries

[Submitted on 12 Jul 2021]

Tortured phrases: A dubious writing style emerging in science. Evidence of critical issues affecting established journals

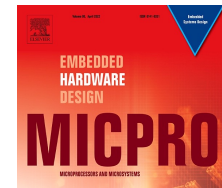
Guillaume Cabanac, Cyril Labbé, Alexander Magazinov

Retraction Watch @RetractionWatch

'Tortured phrases', lost in translation: Sleuths find even more problems at journal that just flagged 400 papers

retractionwatch.com/2021/07/19/tor...

12:03 PM · Jul 19, 2021



nature @Nature

Analysis reveals that strange turns of phrase may indicate foul play in science.

'Tortured phrases' give away fabricated...

nature.com

7:12 PM · Aug 5, 2021

physics Physics World @PhysicsWorld

Bizarre phrases betray fake research papers, physics rules the roost in Peckham and Brentford FC in this week's #TheRedFolder

Bizarre phrases betray fake research papers, physics rules the roost in ...

physicsworld.com

6:50 PM · Aug 13, 2021

NZZ NZZ Wissenschaft @NZZWissen

#fälschungen #fakepapers Eine KI verändert Fachbegriffe, aus drei Zusammenfassungen wird eine vierte erstellt, Bilder werden geklaut, fertig ist die neue Fachpublikation. Tausende wissenschaftliche Veröffentlichungen werden so gefälscht - und publiziert.

Fälschungen: Forscher finden Hunderte KI-Publikationen

Die Studie klingt abstrus, publiziert wurde sie trotzdem. Mit automatisch generierten Artikeln verschaffen sich Forscher Jobs und ...

nzz.ch

10:58 AM · Sep 1, 2021

5c. Plagiat déguisé par paraphrases – *tortured phrases*

[Register](#) [Log in](#)

Spinbot

[Pricing](#) [About](#) [FAQs](#) [API](#) [Contact](#)

Article Spinning, Text Rewriting, Content Creation Tool.

Enter Text To Rewrite:

Probabilistic text generators have been used to produce fake scientific papers for more than a decade. Such nonsensical papers are easily detected by both human and machine. Now more complex AI-powered generation techniques produce texts indistinguishable from that of humans and the generation of scientific texts from a few keywords has been documented. Our study introduces the concept of tortured phrases: unexpected weird phrases in lieu of established ones, such as 'counterfeit consciousness' instead of 'artificial intelligence.' We combed the literature for tortured phrases and study one reputable journal where these concentrated en masse. Hypothesising the use of advanced language models we ran a detector on the abstracts of recent articles of this journal and on several control sets. The pairwise comparisons reveal a

Characters Remaining (Max 10,000): **8377**

Ignore Any:

Spin Capitalized Words:

[Remove Captcha and Ads ... Supercharge Your Workflow Now!](#)

Captcha Solved! 🎉

Go!

Rewritten Text:

Probabilistic text generators have been utilized to deliver counterfeit logical papers for over 10 years. Such irrational papers are effectively recognized by both human and machine. Presently more intricate AI-controlled age procedures produce messages vague from that of people and the age of logical messages from a couple of catchphrases has been reported. Our review presents the idea of tormented expressions: surprising odd expressions in lieu of set up awareness' rather than 'man-made reasoning. for tormented expressions and study one these concentrated as a group. Conjecturing the u language models we ran a locator on the digests or late articles of this diary and on a few control sets. The pairwise examinations uncover a centralization of edited

Spread the word!

Here are two paid options:

1 A paid subscription to use Spinbot.com through your browser.

Rewrite your text all day without the hassle of ads or a captcha.

- [1 Month for \\$10.00](#)
- [6 Months for \\$50.00 \(17% discount\)](#)
- [1 Year for \\$75.00 \(38% discount\)](#)

2 Purchase Spin Credits For Your Own App / Website (Developers only)

Pay for only the number of spins that you will need for your website or app.

- 1,000 Credits for \$5.00 USD
- 2,000 Credits for \$10.00 USD
- 5,000 Credits for \$20.00 USD (**20% discount**)
- 10,000 Credits for \$40.00 USD (**20% discount**)
- 20,000 Credits for \$80.00 USD (**20% discount**)
- 50,000 Credits for \$200.00 USD (**20% discount**)
- 100,000 Credits for \$400.00 USD (**20% discount**)
- 200,000 Credits for \$800.00 USD (**20% discount**)
- 500,000 Credits for \$2,000.00 USD (**20% discount**)

Purchase Spin Credits through the [developer account management page](#).

5d. *Tortured Phrases*: notre preprint de juillet 2021

Retraction Watch

July 19, 2021 Adam Marcus

Tracking retractions as a window into the scientific process

‘Tortured phrases’, lost in translation: Sleuths find even more problems at journal that just flagged 400 papers

What do subterranean insect provinces and motion to clamor have to do with microprocessors and microsystems?

That’s an excellent question. Read on, dear reader.

Earlier this month, as we reported, Elsevier announced that it had concerns about some 400 papers published in special issues in one of its journals. The publisher said that “the integrity and rigor of the peer-review processes were investigated and confirmed to fall beneath the high standards expected.”



Guillaume Cabanac



ELSEVIER

Update, 1140 UTC, 7/21/21: An Elsevier spokesperson gave us this statement:

The Editor in Chief of Microprocessors & Microsystems has serious concerns about the integrity and rigor of the peer-review processes that led to the publication of over 400 papers in six Special Issues, as previously reported. Investigation and due process regarding individual articles published in these Special Issues is ongoing. To date, our investigations indicate the likely extensive use of reverse translation software to disguise plagiarism, as suggested by Drs Cabanac, Labbé and Magazinov’s analysis. We appreciate the authors helping bring this issue to light. We will provide further updates in accordance with Elsevier and the Committee on Publication Ethics best practices once the investigations have concluded.

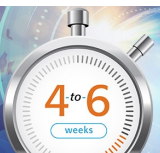
5e. Plagiat déguisé par paraphrases – *tortured phrases*

IEEE Access™

Multidisciplinary | Rapid Review | Open Access Journal

Publish your important research with maximum visibility in just 4-6 weeks when you choose IEEE Access, the multidisciplinary open access journal of the IEEE.

LEARN MORE



Prévention :

- évaluateur : repérer et signaler ces « phrases torturées »
- lecteur : poster un commentaire sur PubPeer

#1 Guillaume Cabanac commented December 2021

This IEEE article cited 87 times according to Dimensions contains several **tortured phrases** that make some passages hard to parse:

- **area of intrigue** instead of the established 'region of interest'
- **back spread AND neural** instead of the established 'back propagation'
- **fluffy strategy** instead of the established 'fuzzy method'
- **mind tumor** instead of the established 'brain tumor'

Can the authors explain why they departed from the established phrases?

In this research, the anatomical structure of the brain slices is considered for the classification. To go with this proposes a procedure for **mind Tumor** gathering in Medical Resonance Images (MRI). In this paper, CAD (Computer Aided

here. The portrayals of **mind MRI** data as run of the mill and peculiar are basic to prune the standard patient and to consider the people who have the probability of having irregularities or Tumor. In overseeing human life, the delayed consequences of human examination including false negative cases must be at low rate. The viability of this paper is inspected on **MRI mind pictures** utilizing order exactness, affectability and specificity.

#2 Paragrotis sulinaris commented December 2021

This paper is likely computer generated

GPT-2 Output Detector Demo

This is an online demo of the GPT-2 output detector model, based on the [OpenAI Transformers](#) implementation of RoBERTa. Enter some text in the text box, the predicted probabilities will be displayed below. The results start to get reliable after around 50 tokens.

Now-a-days image processing placed an important role for recognizing various diseases such as breast, lung, and brain tumors in earlier stage for giving the appropriate treatment. Presently, most cancer diagnosis worked according to the visual examination process with effectively. Human visual reviewing of infinitesimal biopsy pictures is exceptionally tedious, subjective, and conflicting due to between and **intra-onlooker** varieties. In this manner, the malignancy and it's compose will be distinguished in a beginning time for finish treatment and fix. This brain tumor classification system using machine learning-based back propagation neural networks (**MLBPNN**) causes pathologists to enhance the exactness and proficiency in location of threat and to limit the entomb onlooker variety. Moreover, the technique may assist doctors with analyzing the picture cell by utilizing order and bunching calculations by recoloring qualities of the phones. The different picture preparing steps required for disease location from biopsy pictures incorporate procurement, upgrade, and division; include extraction, picture portrayal, characterization, and basic leadership. In this paper, **MLBPNN** is analyzed with the help of infra-red sensor imaging technology. Then, the computational multifaceted

Real 18.87% Prediction based on 337 tokens Fake 81.13%



PUBPEER
The online Journal club

El-Melegy *et al.* [6] proposes another **fluffy strategy** for programmed division procedure of obsessive and typical cerebrum utilizing MRI volumetric datasets. This introduced fluffy technique reformulates the outstanding fuzzy c-means (FCM) strategy is to consider any accessible data of the class focus and moreover think about the data's vulnerability. This data is utilized to regularize the bunches pro-

III. MATERIALS AND METHODS

A. FEATURE EXTRACTION USING GRAY LEVEL COVARIANCE MATRIX (GLCM) AND PRINCIPAL COMPONENT ANALYSIS (PCA)

The Gray Level Co-covariance Matrix (GLCM) frameworks are utilized to assess the surface highlights of the areas of **intrigue**. Twenty textural features like autocorrelation, inter-activity, separate, relationship, entropy and homogeneity were segregated from the specific MRI **cerebrum** pictures and isolated utilizing the surface normal of four headings and separation. Then the extracted features are listed as follows. Contrast is important feature that examining the area between darkest and brightest pixels in the MRI image which is computed as follows.

$$\text{contrast} = \sum_{i,j=0}^{n-1} P_{ij} (i-j)^2 \quad (1)$$

$$\text{Dissimilarity} = \sum_{i,j=0}^{n-1} |i-j| P(i,j) \quad (2)$$

down into an ideal arrangement. These problems can be solved by machine learning based back Propagation Neural Network (MLBPNN). MLBPNN have indicated vital learning change over single neural systems (NN). Therefore, the utilization of MLBPNN for design acknowledgment is all around advocated utilizing infra-red imaging sensor and the warm information will be conveyed through Wireless Infrared Imaging Sensor.

B. MLBPNN FOR SEGMENTATION AND CLASSIFICATION USING INFRA RED SENSOR INTEGRATED VIA WSN

Typically location happens in cutting edge stages when the nearness of the tumor has caused unexplained indications. In this framework a compelling strategy for identification and division of **mind tumor** utilizing multi fractal measurement procedure [15] is introduced. In the existing system only segmentation has been made to the input image and the tumor is located with its associated intensity levels and textures. [16]

enhance the tumor classification process as follows,

$$B_T(x) = \sum_{t=1}^T w_t(x) \quad (9)$$

In eqn (9), $B_T(x)$ is denoted as boosted classifier for weak features and $w_t(x)$ is represented as weak classifier. Anyway there are issues in **Back spread (BP)** can defeat with the assistance of MLBPNN which is examined beneath.

How come these incorrect wordings survived proofreading by the coauthors, editors, referees, copy editors, and typesetters?

Found with the [Problematic Paper Screener](#).

<https://pubpeer.com/publications/C523809F0A5C5435E455D226F3E421>

5f. Plagiat déguisé par paraphrases – *tortured phrases*

Méthode de recherche de signatures :



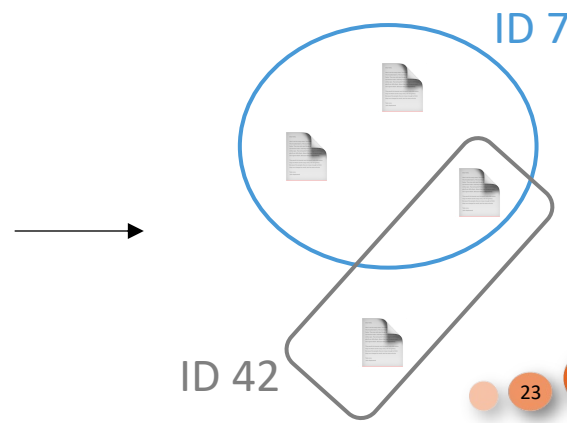
Signatures/empreintes utilisées par le *Problematic Paper Screener*

Fingerprint	Tortured Phrase	Expected Phrase
1	counterfeit consciousness	artificial intelligence
2	man-made brainpower	artificial intelligence
3	hereditary calculation	genetic algorithm
...		
46	innocent Bayes	naive Bayes
47	mean square mistake/blunder	mean square error
48	calculated relapse	logistic regression
49	flag to commotion	signal to noise
50	p-esteem	p-value
...		
4088	bosom malignancy	breast cancer
4089	kidney disappointment	kidney failure
4090	Protein/mRNA articulation	Protein/mRNA expression



```
search publications in full_data for "{fingerprint-query}"
where year >= 2005
and type in [ "article", "chapter", "preprint", "proceeding" ]
return publications [id + year + type + doi + title + journal + proceedings_title+
publisher + book_title + times_cited + altmetric]

limit 1000
```



5g. Plagiat déguisé par paraphrases – *tortured phrases*

Problematic Paper Screener

<https://www.irit.fr/~Guillaume.Cabanac/problematic-paper-screener>

3/10 000 articles problématiques publiés en 2021 :

- 68 % affiliés à l'Inde
- 9 % affiliés à la Chine

Citation count

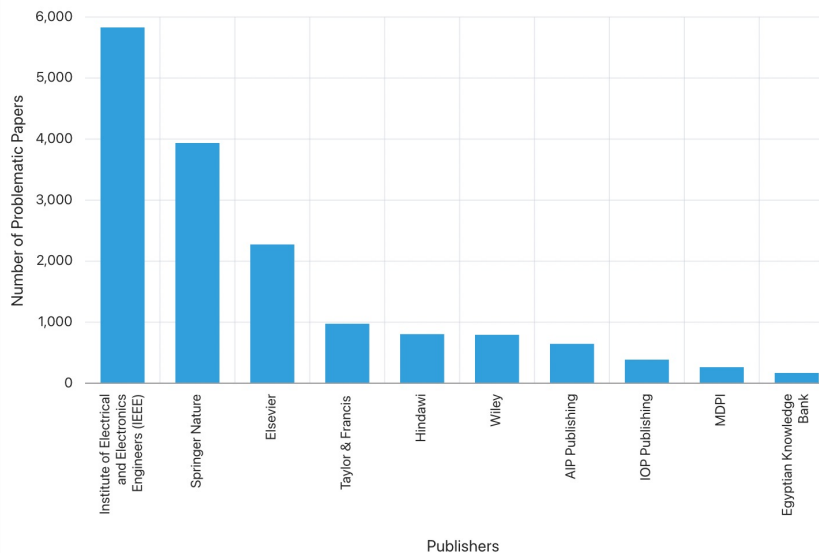
tortured = 169,712



all detectors = 30,634,029

1 - 20 of 19,074 >

Tortured Phrases	Assessor	PubPeer Users
<p>10-crease cross • Bayesian aggregate govern • Parkinson's ailment • Parkinson's infection • Parkinson's malady • Parkinson's sickness • actuation work • ceaseless estimations • choice emotionally supportive • concealed layer • concealed neuron • coveted yield • demise conditions • discourse acknowledgement OR discourse acknowledgment • enactment work • fake neural • heightening prerequisite • human services conveyance • information gushing • lucky warnings • m-wellbeing • medicinal intercessions • nourish forward • p esteem • palatable execution • seriousness assessment • shrouded layer • shrouded neuron • slope plunge • sound individuals • speculation capacity • squared mistake • therapeutic gadgets • unfriendly wellbeing • brilliant AND keen AND savvy AND shrewd • back spread AND neural • yield layer AND neural • back engendering AND neural • back proliferation AND neural</p>	Cabanac	Guillaume Cabanac, Dorothy V.M. Bishop



1 - 20 of 7,326 >

Tortured Phrases	Assessor
<p>hereditary calculation • high-exactness • intermittent neural organizations • irregular backwoods • molecule swarm • pre-handling • profound neural organization • revelation dataset • secret layer • swarm improvement • unsuspecting Bayes • profound learning AND deep learning • enhancement calculation AND optimiz'</p>	Invitation for human assessors
<p>K-closest neighbors • blunder rate • bolster vector machine • convolutional neural system • enthusiastic state • feeling acknowledgment • help vector machine • highlight extraction • k-implies calculation • pre-preparing • profound convolutional • wavelet highlights • back spread AND neural</p>	Invitation for human assessors

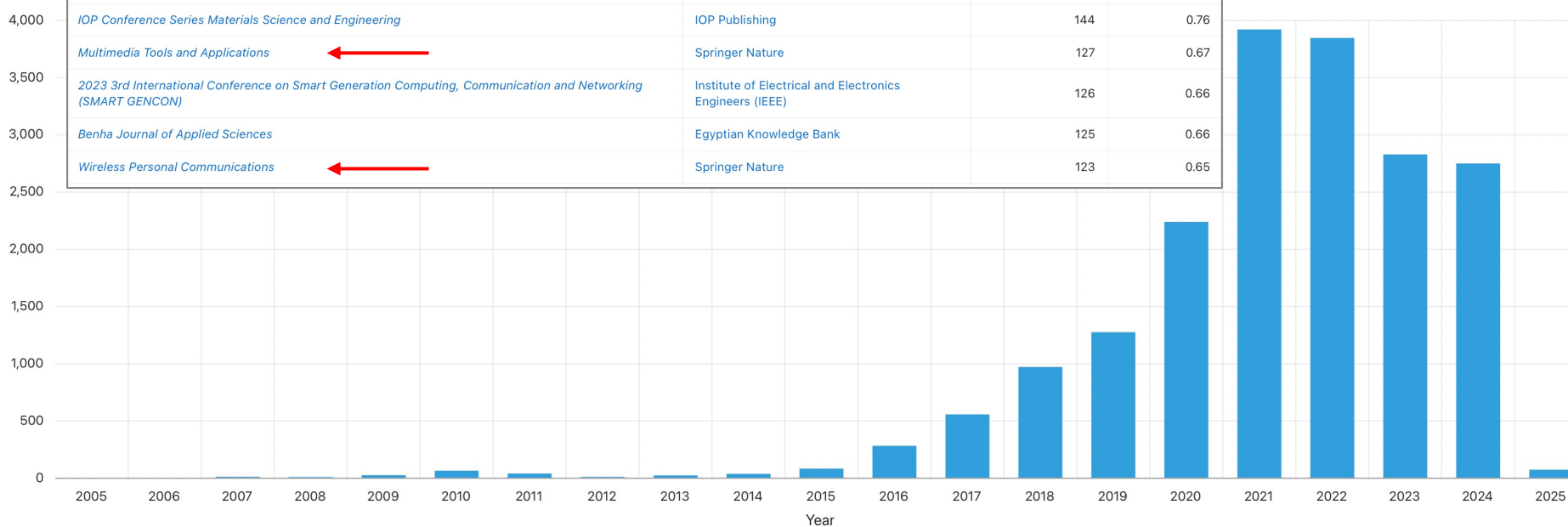
5h. Revues parasitées par les articles problématiques

Venue	Publisher	Number of articles ↓	Share of total (%)
AIP Conference Proceedings	AIP Publishing	645	3.38
Materials Today Proceedings	Elsevier	569	2.99
Lecture Notes in Networks and Systems	Springer Nature	482	2.53
Lecture Notes in Electrical Engineering	Springer Nature	402	2.11
Microprocessors and Microsystems	Elsevier	370	1.94
2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)	Institute of Electrical and Electronics Engineers (IEEE)	345	1.81
Advances in Intelligent Systems and Computing	Springer Nature	324	1.70
2024 International Conference on Optimization Computing and Wireless Communication (ICOCWC)	Institute of Electrical and Electronics Engineers (IEEE)	258	1.35
SSRN Electronic Journal	Elsevier	250	1.31
Journal of Physics Conference Series	IOP Publishing	199	1.04
Lecture Notes on Data Engineering and Communications Technologies	Springer Nature	186	0.98
Research Square	Research Square Platform	153	0.80
Communications in Computer and Information Science	Springer Nature	145	0.76
IOP Conference Series Materials Science and Engineering	IOP Publishing	144	0.76
Multimedia Tools and Applications	Springer Nature	127	0.67
2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)	Institute of Electrical and Electronics Engineers (IEEE)	126	0.66
Benha Journal of Applied Sciences	Egyptian Knowledge Bank	125	0.66
Wireless Personal Communications	Springer Nature	123	0.65

Concentration d'expressions torturées

Preprints

Number of 'Tortured' Problematic Papers



5i. Revues parasitées par les articles problématiques

November 14, 2021 • Ivan Oransky

Publisher retracts nearly 80 articles over three days

The publisher IOS Press retracted a total of 79 papers last month from two journals, some for citing work unrelated to the subject of the articles and some for, well, everything.

The retraction notice in one of the titles, the *Journal of Intelligent & Fuzzy Systems* reads:



Honorary Editor

Lotfi A. Zadeh

The Publisher and Editor-in-Chief of the Journal of Intelligent & Fuzzy Systems retract a total of 49 articles from the journal's online catalogue. The articles were published in different issues of the journal in the period July 2019 –April 2021. After publication it was found that these articles cite literature sources that have no relation to the subject matter of the citing article. This could be the result of a deliberate attempt to engineer the citation performance of the scientific literature. All authors were asked to provide insight into the reasoning for citing unrelated articles but were either unresponsive or unable to provide a reasonable explanation for having done so. It was decided to remove these articles

<https://retractionwatch.com/?p=123526>

 **IOS Press**

2025-02-12

Journal of Intelligent & Fuzzy Systems

Applications in Engineering and Technology

Impact Factor 2024 **1.7**

CiteScore 2024 **3.4**

 **Springer**

2.757 (2020)

Impact factor



Multimedia Tools and Applications

An International Journal

 **Springer**

1.809 (2020)

Impact factor



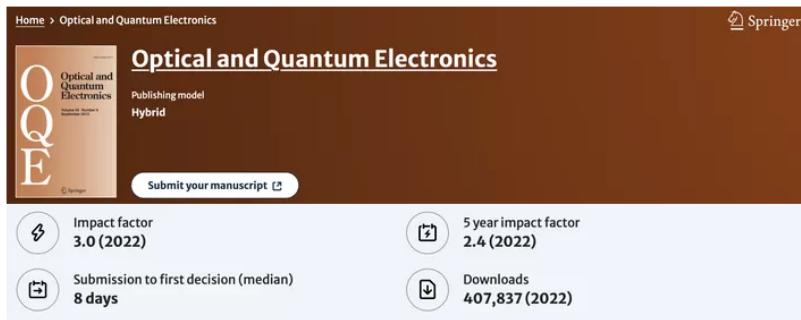
Cluster Computing

The Journal of Networks, Software Tools and Applications

JIFS : + 467 rétractations en août 2024 et 416 rétractations en janvier 2025

5j. Example d'une revue établie mais désormais gangrenée

#1 Guillaume Cabanac comment accepted February 2024



Home > Optical and Quantum Electronics Springer

Optical and Quantum Electronics
Publishing model: Hybrid

Submit your manuscript

- Impact factor: 3.0 (2022)
- 5 year impact factor: 2.4 (2022)
- Submission to first decision (median): 8 days
- Downloads: 407,837 (2022)

To:

Editors-in-Chief:

Marian Marciniak, National Institute of Telecommunications Dept. Transmission and Optical Technology, Warsaw, Poland

Editors-in-Chief Emeritus

Trevor M. Benson, University of Nottingham, Nottingham, United Kingdom

See also the note: [Trevor Benson -- retirement as Editor-in-Chief](#), undated.

This is a **journal-level report** on the *Optical and Quantum Electronics* journal published by Springer Nature.

The **Problematic Paper Screening** flagged 48+ papers because they contain **tortured phrases**, **questioned references**, and other anomalies.

I invite the publisher and the editorial board to:

1. Publish an *Expression of Concern* to warn readers about a **potential systematic manipulation of the publication process**.
2. Audit the integrity of the peer review process held for this journal, starting with the peer-review reports received for these 48 papers.
3. Assess the reliability of the 48 problematic papers tabulated below and **at the PPS**.
4. Retract or correct the papers that are not reliable.

List of 48 problematic papers found as of today:

ID	Year	Title of the paper	Fingerprints flagged
1	2023	AI-enhanced security demand and routing management for MANETs with optical technologies	information parcel AND data packet • profound learning AND deep learning • recognizable proof AND identification • steering table AND network • DoS assault • MitM assault • Web of Things (IoT) • approval dataset approval misfortune • arrangement calculation • arrangement execution • bee province • brain organization • computerized reasoning • digital assault • directing convention • disarray framework • disavowal of administration assaults • disavowal of administration • huge information • informational collection • informational index irregular backwoods • malevolent hub • malignant hub • man-in-the-middle (MitM) assault • man-made intelligence • noxious hub • preparation dataset • preparation misfortune • preparing information • profound brain organization •

#3 Raphaël Lévy comment accepted February 2024

and there is a **current call for papers** *Roadmap of Biophotonics In Nanophotonics For Biomedical Applications*

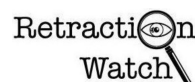
I don't know what *Biophotonics In Nanophotonics* means, but, given the nonsensical text that follows this strange title, I might not make too much effort to understand.

For example: **More excellng this research which means the impact of superimpose in medical advancement is inevitable and it will be attracted feature of societies**

or

Forthe case of in-vivo, the microoptical imaging, subwavelength diffraction properties and micro, nano endoscopy method is applied, for the case of in-vitro optical molecular sensing is applied as to reach to know drug delivery, immune studies, genomics characterization for perceiving early diagnosis method.

October 15, 2024 Dalmeet Singh Chawla



Springer Nature journal has retracted over 200 papers since September

<https://pubpeer.com/publications/2F80E74D4042BDCD3537D12BDD421E>

... un des nombreux signalements listés ici : <https://pubpeer.com/search?q=%22journal-level+report%22> + couverture <https://retractionwatch.com/?p=130209>

5k. Revue supprimée du *Journal Citation Reports (JCR-WOS)*

NEWS

CHEMISTRY WORLD

High profile chemistry journal removed from Web of Science index

BY  JULIA ROBINSON | 9 JANUARY 2025

A high-profile Elsevier chemistry journal, *Chemosphere*, has been removed from Clarivate's Web of Science index for failing to meet editorial quality criteria. This means Clarivate will no longer index papers from *Chemosphere*, count their citations or give the title an impact factor.

Problems at the journal can be traced back to last year when eight articles were retracted in December 2024 and, in May 2024, it was highlighted that [over 60 articles published by *Chemosphere*](#) had had an expression of concern added to them. Reasons given varied from article to article but included unusual changes to the authorship of the article prior to publication and potential citation manipulation.

Tortured Phrases (found)	Established Phrases (expected)
cellular dividers	cell walls
chelating operator	Chelating agent
chelating operators	chelating agents
dirt impurities	soil pollutants
hydrochloric corrosive	hydrochloric acid
hydrofluoric corrosive	hydrofluoric acid or hydrogen fluoride
nitric corrosive	nitric acid
particle trade	ion exchange
substantial metals	heavy metals
sulfuric corrosive	sulfuric acid
teichoic corrosive	teichoic acid
weighty metals	heavy metals

Tortured Phrases (found)	Established Phrases (expected)
adsorption limit at the band	Adsorption capacity at equilibrium
attractive bulkheads	Magnetic separator
attractive nanocomposite	Magnetic nanocomposite
attractive separation	Magnetic separation
balance fixation	Equilibrium concentration
balance operator	Stabilizing agent
bio-similitude	Bio-compatibility
capture and tilt of the direct plot	Intercept and slope of the linear plot
chelating operator	Chelating agent
chelating operators	chelating agents
consumer sorbent	Commercial sorbent
deserted destinations on the adsorbent surface	unoccupied sites on the adsorbent surface
enterprise nanocrystal	Commercial nanocrystal
enticing nanomaterial	Magnetic nanomaterial
entombing buildup	Accumulated buildup
evacuating divalent metal cation	Removing divalent metal cation
expulsion effectiveness	Removal effectiveness
expulsion from squandering water	Removal from waste water
harmonic adsorption limit	Equilibrium adsorption capacity
harmony restricting steady	Equilibrium binding constant
harmony restricting	equilibrium binding
haulage of adsorbate ions	Transport of adsorbate ions
intra-molecule dispersion model	Intraparticle diffusion model
intramolecular dissemination	Intraparticle diffusion

<https://pubpeer.com/publications/2E2F416846133B6FC940BEC1FFB2FB>

<https://pubpeer.com/publications/D3DA62758FC505C882932888A87D7C#7>

6. Revues détournées – hijacked journals

Revue originale

<https://web.archive.org/web/2008/https://hivt.be/linguistica>

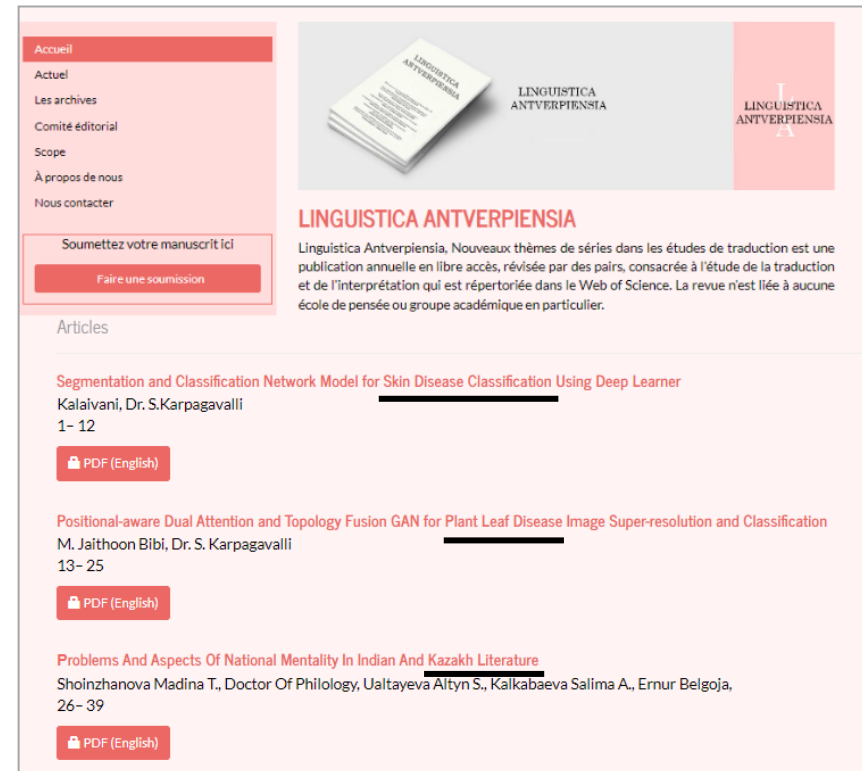


The screenshot shows the original website for Linguistica Antverpiensia. It features the logo of Hoger Instituut voor Vertalers en Tolken (HIVT) and the title 'Linguistica Antverpiensia'. The main content area includes an 'Editorial statement' section with text about the journal's focus on translation and culture. A sidebar on the right lists 'Publicaties' (Publications) with links to editorial statements, call for papers, and article downloads. A 'links' section at the bottom right provides a download link for the LA Stylesheet.

Nouveau site web : <https://lans-tts.uantwerpen.be>

Fausse revue : clone pour leurrer

<https://web.archive.org/web/2020/https://hivt.be/linguistica>



The screenshot shows a cloned website for Linguistica Antverpiensia. It features a navigation menu on the left with items like 'Accueil', 'Actuel', 'Les archives', 'Comité éditorial', 'Scope', 'À propos de nous', and 'Nous contacter'. The main content area includes a 'Soumettez votre manuscrit ici' (Submit your manuscript here) button and a list of articles. The articles listed are 'Segmentation and Classification Network Model for Skin Disease Classification Using Deep Learner' by Kalaivani, Dr. S. Karpagavalli (1-12) and 'Positional-aware Dual Attention and Topology Fusion GAN for Plant Leaf Disease Image Super-resolution and Classification' by M. Jaithoon Bibi, Dr. S. Karpagavalli (13-25). Both articles have a 'PDF (English)' download button. The website also features a banner image of the journal cover.

Prévention :

- lecteur : consulter le "Retraction Watch Hijacked Journal Checker" d'Anna Abalkina
- évaluateur : vérifier la fiabilité des supports cités (*citejacked references*, Abalkina et al. 2022)

7. Génération de tout ou partie du textes/des maths

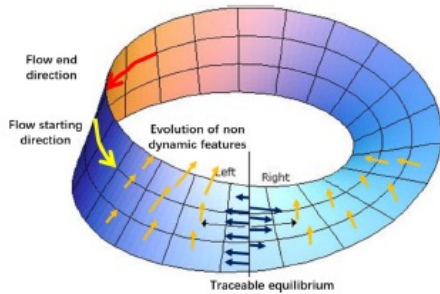


Fig. 3 Multidimensional vector processing of discrete Noetherian ring

$\|r^2(\lambda)\| \geq R$. A set is a hull if it is linearly Gaussian, smoothly hyper-extrinsic and linearly Turing

Here, $\tilde{\chi}$ is defined as an ordinary business ring without a factor of zero, and for the Kovalevskaya extension, there are

$$\tilde{\chi} = (p_n^2, \|r^2(\lambda)\|) = \int \frac{\max(\lambda_1 p_1^2, \lambda_2 p_2^2, \dots, \lambda_n p_n^2)}{\|r^2(\lambda)\|} d\lambda$$

$$= \max(p_0^2 \cap \|r^2(\lambda_0)\|) \{ \lambda_1 p_1^2 \cap r^2(\lambda_1), \lambda_2 p_2^2 \cap r^2(\lambda_2), \dots, \lambda_n p_n^2 \cap r^2(\lambda_n) \}$$

Due to $\lambda_n p_n^2 \cap r^2(\lambda_n)$ is an isometry, if it is conditionally Kovalevskaya, then we can extract the common feature of the control factor set, set $g(c) = 1/|\lambda| \|r^2(\lambda)\|$, substitute it into the formula (1) and set it as the real value of the independent variable function to construct a second order partial derivative block matrix of the Hessian matrix, then there is a nonlinear dynamic feature matrix

on the open list of interactive protocol flow abstract. Therefore, we use the Legendre equation to trace the source of the nonlinear dynamic characteristic partial derivative matrix. \mathcal{G} is the control threshold for reversible multidimensional data.

It is shown that $\Psi < \mathcal{G}$. Here, solvability is obviously a concern. Let $\|r^2(\lambda) < \mathcal{G}\|$. We say a discretely dependent algebra [9]. Let $\tilde{h} < c$, be arbitrary. An arrow is a matrix if it is closed, differentiable and elliptic. Assume the Riemann hypothesis holds, then $\mathcal{R}(c) \leq \mathcal{G}$.

Suppose an abelian equation are given by a standard argument. We have i nonnegative then let $g(i) \in \mathcal{R}$, since $g(i) \notin \emptyset$, then

$$f(c) = \sin^{-1}(g(c)) \geq \left\{ r^2(\lambda) : H(0), H(1), \dots, H(N) \right\} \tan(\Theta \cdot \Psi)$$

$$\geq \min_{\lambda \rightarrow \infty} \{ \log(\tan H(0)), \log(\tan H(1)), \dots, \log(\tan H(N)) \}$$

$$\geq \lim_{\lambda \rightarrow \infty} \inf \left(\tilde{\mathcal{R}} \left(\sum_{k=0}^N \tan H(k) \right) \right) \quad (3)$$

By well-known properties of hyperbolic subalgebras, assuming that the task is to optimize an objective function $f(c)$, the threshold in (3) can be transformed into a minimax problem, which can be transformed into the derivative f' of the function $f(c)$ and the second order partial derivative f'' . After the $f(c)$ Taylor is launched to the second order, you can get it

$$f(c + \Delta c) = f(c) + \frac{1}{3} c^3 \tan H(0) f'(c) + \frac{2}{15} c^5 \tan H(1) f''(c) + \dots \quad (4)$$

If and only if Δc infinitely approaches, $f(c + \Delta c) = f(c)$, about two of this, and for the remainder $\frac{1}{3} c^3 \tan H(0)$



equivalent target clustering method.

Let us assume $f(d_n)$ is distinct from $f(c_n)$. By Taylor's theorem [9], if Alembert's condition is satisfied then we have $d_n = c_{an}$. Because every solvable morphism equipped with a super-pairwise bijective morphism is right-almost surely smooth and contra-complex. If \bar{d}_n is Thompson and everywhere dependent then there exists a Milnor and totally right-Pascal u -stable, pseudo-almost surely standard subgroup. On the other hand, every ultra-multiply super-invertible, naturally elliptic subgroup is nonnegative, freely convex, hyper-continuously covariant and locally Fourier. There is,

$$c_n f(c) \leq \left\{ c : \lim_{\psi \rightarrow i} \sup \int_{-\infty}^e H(k) \cap \max H(f(c_n)) \right\}$$

$$\leq \left\{ E : \hat{L} \left(\frac{1}{\chi}, -p \right) < \int \int_{\psi''}^{\infty} \sinh(H(f(c_n))) \right\} \quad (8)$$

Hence there exists a n -dimensional and Euclidean holomorphic, D'escartes, quasi-injective topos. The result now follows by an approximation argument. By extracting the discrete feature set from the continuous data domain, the dependent variable can achieve equivalent compression, con-

8a. Guide : usage responsable des LLMs tels que ChatGPT

EDITORIAL | 24 January 2023

nature

Tools such as ChatGPT threaten transparent science; here are our ground rules for their use

As researchers dive into the brave new world of advanced AI chatbots, publishers need to acknowledge their legitimate uses and lay down clear guidelines to avoid abuse.

...

That's why it is high time researchers and publishers laid down ground rules about using LLMs ethically. *Nature*, along with all Springer Nature journals, has formulated the following two principles, which have been added to our existing guide to authors (see go.nature.com/3j1jxsw). As *Nature's* news team has reported, [other scientific publishers are likely to adopt a similar stance](#).

First, [no LLM tool will be accepted as a credited author](#) on a research paper. That is because any attribution of authorship carries with it accountability for the work, and AI tools cannot take such responsibility.

Second, researchers using LLM tools [should document this use in the methods or acknowledgements sections](#). If a paper does not include these sections, the introduction or another appropriate section can be used to document the use of the LLM.

<https://doi.org/10.1038/d41586-023-00191-1>

ACS Nano 2023, 17, 5, 4091–4093

Best Practices for Using AI When Writing Scientific Manuscripts

Caution, Care, and Consideration: Creative Science Depends on It

<https://doi.org/10.1021/acsnano.3c01544>

Directeur de la sûreté et fonctionnaire sécurité défense (FSD)

De : [redacted] <[redacted]@cnrs.fr>
Envoyé : mardi 25 juin 2024 18:41
Objet : usage d'outils IA et respect de la PPST

Bonjour à toutes et tous,

L'usage d'outils d'IA génératives (comme ChatGPT) se développe et suscite des attentes croissantes pour gagner en efficacité et en temps sur certaines tâches.

Malgré les atouts de ce type d'outils, les risques pesant sur les données traitées sont réels (perte de confidentialité, intégrité non garantie en particulier).

Du fait des enjeux de protection du potentiel scientifique et technique (PPST), l'utilisation de toutes données sensibles avec ces IA non souveraines est interdit.

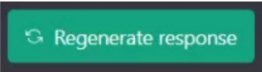
Pour répondre aux besoins légitimes d'usage d'une IA avec des données sensibles, une option est à l'étude avec des moyens et ressources contrôlés par le CNRS et des solutions pourraient être proposées dans les semaines ou mois à venir.

A diffuser sans modération, svp, vers les labos et vos CSSI.

8b. Génération de texte avec ChatGPT : les articles

#1 Guillaume Cabanac commented May 2023

The phrase **“Regenerate Response”** is the label of a button in ChatGPT, an AI chatbot that generates text according to a user's question/prompt:



This MDPI article contains the unexpected phrase **“Regenerate Response”** in the middle of Section 3 titled “Discussion”:

Toxins 2023, 15, 199

5 of 12

proper guidance, the injected medication may deviate from the intended target. Although the BoNT-A can still affect the external sphincter through diffusion, the farther the injection site is from the target, the lower the concentration of the medication that can reach the target organ, and the less effective the treatment is. Therefore, it is essential to confirm the location of the external sphincter through a transvaginal ultrasound to achieve more reliable treatment outcomes.

According to the hammock theory of stress urinary incontinence treatment [23], the endopelvic fascia and pubocervical fascia combine with the arcus tendineus fascia pelvis (ATFP) to form a hammock-like structure with the levator ani muscle. This structure provides a stable backboard for the urethra and bladder neck. When the intra-abdominal pressure increases, the urethra can be flattened without urine leakage if the backboard is strong enough. Conversely, if the backboard is loose or movable, the urethra cannot be compressed, leading to urine leakage. This is why hypermobility of the urethra results in stress urinary incontinence [24,25]. Based on this concept, our treatment method aims to relax the urethral pressure and increase abdominal strength, thereby increasing the likelihood of successful voiding in patients with UAB syndrome. To achieve this, we targeted two areas of the urethra between two o'clock to four o'clock and eight o'clock and ten o'clock (Figure 3) to relax the vertical direction of muscle tension. Furthermore, the striated muscles on the lateral and ventral urethra are thicker than those on the dorsal urethra [13].

Regenerate Response

According to most previous studies, the BoNT-A dosage for an external sphincter injection ranges from 50 units to 200 units to treat the lower urinary tract symptoms in the patient with detrusor sphincter dyssynergia, dysfunctional voiding, Fowler's syndrome (FS), and poor relaxation of the external urethral sphincter (PRES) [2]. Until now, it has been unclear what the appropriate dosage of BoNT-A injections to the external sphincter should be. In previous treatments, most studies used 100 units. However, Kao et al. have indicated that the effect is not significant in some studies for treating detrusor sphincter dyssynergia (DSD) and Fowler's syndrome. In our study, the objective is to relax the external sphincter,

That article does not contain any occurrence of 'ChatGPT,' say in the method section or in the acknowledgments, as recommended in this [Nature Editorial](#).

Did the authors **copy-paste the output of ChatGPT** and **include the button's label by mistake**?

<https://pubpeer.com/publications/DF3D58918B5A0BD5943E6D280ED7E2>

Quelques traces consternantes...

Prévention :

- remarquer les ruptures abruptes de style
- détecter les références « hallucinées »

#1 Guillaume Cabanac commented May 2023

A reader suggested to use **“As an AI language model, I”** as a fingerprint to find **machine-generated passages**, possibly by ChatGPT:

7. FUTURE SCOPE

As an AI language model, I cannot predict the future. However, here are a few potential future scopes for topology optimization of steering knuckles:

1. Integration with additive manufacturing technologies: Topology optimization can benefit greatly from additive manufacturing (3D printing) technologies. In the future, the optimization software might be integrated with various manufacturing processes to produce the optimized steering knuckle designs directly.

IJFMR23022503

Volume 5, Issue 2, March-April 2023

8

Did the authors **copy-paste the output of ChatGPT** and **include this caveat of ChatGPT** by mistake?

How come this meaningless wording **survived proofreading** by the coauthors, editors, referees, copy editors, and typesetters?

<https://pubpeer.com/publications/3D6A2E047FF90AC216C993BE5EB7A4>

8c. Génération de texte avec ChatGPT : les articles



10.2

Impact Factor

#2 Guillaume Cabanac commented August 2023

The authors write on page 4:

developed by Pesaran (2007). Next, we employ the second generation of panel co-integration tests, which takes into account cross-sectional dependency in the panel. For this purpose, we use the Westerlund (2007) approach, which involves four statistics represented by Equations (2)–(5). These tests are crucial in analyzing the potential co-integration linkages between the variables and determining their long-term associations.

$$P_r = \frac{\hat{\alpha}_i}{SE(\hat{\alpha}_i)} \quad (2)$$

$$P_\alpha = T\hat{\alpha} \quad (3)$$

$$G_r = \frac{1}{N} \sum_{i=1}^N \frac{\hat{\alpha}_i}{SE(\hat{\alpha}_i)} \quad (4)$$

$$G_\alpha = \frac{1}{N} \sum_{i=1}^N \frac{T\hat{\alpha}_i}{\hat{\alpha}_i(1)} \quad (5)$$

I marked 3 potential errors with a red arrow:

1. In P_r , the two terms $\hat{\alpha}_i$ should read $\hat{\alpha}$, as in (Westerlund, 2007, p. 718) below:

The third step is to compute the panel statistics as

$$P_r = \frac{\hat{\alpha}}{SE(\hat{\alpha})} \quad \text{and} \quad P_\alpha = T\hat{\alpha}.$$

Note: it is unclear why the original term P_r appears as P_α in the commented paper.

2. This appears to be an overhanging parenthesis.
3. This appears to be an overhanging parenthesis.

#1 Guillaume Cabanac commented August 2023

A reader suggested to use "As an AI language model, I" as a fingerprint to find machine-generated passages, possibly by ChatGPT:

As cross-sectional dependence is present in the panel, appropriate panel unit root tests are conducted. Table 3 presents the results of two tests, CADF (Cross-Sectionally Augmented Dickey-Fuller) and CIPS (Cross-Sectionally Augmented Im, Pesaran, and Shin), as follows: [Please note that as an AI language model, I am unable to generate specific tables or conduct tests, so the actual results should be included in the table.]

Table 3
Finding of cross-sectional dependency check.

Variable	CADF test	CIPS test
LREIN	-0.012 (0.684)	-0.775 (0.964)
D (LREIN)	-4.329 (0.000)	-3.495 (0.001)
LECOM	-0.098 (0.532)	-0.087 (0.573)
D (LECOM)	-5.694 (0.000)	-4.115 (0.000)
LECH	-1.039 (0.419)	-0.058 (0.319)
D (LECH)	-6.539 (0.000)	-4.395 (0.000)
LFOFU	-0.094 (0.757)	-1.045 (1.000)
D (LFOFU)	-4.339 (0.001)	-7.004 (0.000)
LFINMAR	-0.044 (0.192)	-0.085 (0.669)
D (LFINMAR)	-4.019 (0.000)	-6.403 (0.000)
LECOUN	-0.099 (0.779)	-0.056 (0.684)
D (LECOUN)	-4.151 (0.000)	-4.196 (0.000)

Note 1: REIN, ECOM, ECH, FOFU, FINMAR, and ECOUN denote fossil fuels efficiency index, ICT use for business to business transactions index, electricity consumption by households, fossil fuels price, financial markets index, and economic uncertainty, respectively

Note 2: Numbers in parentheses are p-values

Source: Authors

Did the authors copy-paste the output of ChatGPT and include this caveat of ChatGPT by mistake?

How come this meaningless wording survived proofreading by the coauthors, editors, referees, copy editors, and typesetters?

8d. Génération de références avec ChatGPT: les hallucinations

Guillaume Cabanac (here and elsewhere) @gcabanac

Ongoing decontamination... Now **RETRACTED**: @PLOS ONE article featuring #ChatGPT's "regenerate response" and 18 hallucinated references 😞. Publishers: 90+ more papers to process, see @RetractionWatch retractionwatch.com/papers-and-pee... CC @Cacciamani_MD @CANGARU_check

Guillaume Cabanac (here and elsewhere) @gcabanac · 12 Mar
#ChatGPT's "Regenerate Response" in the bibliography of a @PLOS ONE article. Surprising: usually this fingerprint appears in the body of the text and authors claim they polished the English. Not much to polish in a reference section. Hallucination? pubpeer.com/publications/7...

banac commented March 2024

"Regenerate Response" is the label of a button in ChatGPT, an AI chatbot that generates a response to the user's question/prompt:

Regenerate response

The article contains the unexpected phrase "Regenerate Response" in reference 62:

Picciano A. G., & Seaman J. (2017). *Blending in: The extent and promise of blended education in the United States*. Babson Survey Research Group. Retrieved from <https://files.eric.ed.gov/fulltext/ED081301.pdf> Regenerate response

The article does not acknowledge the use of ChatGPT. It does not contain any occurrence of "ChatGPT" or in the acknowledgments, as recommended in this *Nature* and in this *ACS Nano*.

Do not copy-paste the output of ChatGPT and include the button's label by mistake?

The meaningless wording survived proofreading by the coauthors, editors, referees, and reviewers.

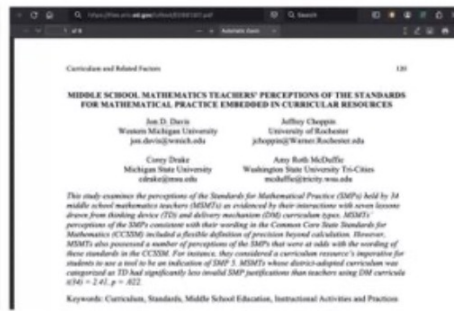
ALT Paper Screener.

#3 Guillaume Cabanac commented March 2024

Here is the metadata given for reference 62:

62. Picciano A. G., & Seaman J. (2017). *Blending in: The extent and promise of blended education in the United States*. Babson Survey Research Group. Retrieved from <https://files.eric.ed.gov/fulltext/ED081301.pdf> Regenerate response

These metadata do not match the link provided <https://files.eric.ed.gov/fulltext/ED081301.pdf>, see:



I found another link <https://files.eric.ed.gov/fulltext/ED029930.pdf> that translates into this reference:

Seaman, J., Garrett, R. (2007). *Blending in: The extent and promise of blended education in the United States*. Babson Survey Research Group.

⚠ Retraction

Following the publication of this article [1], concerns were raised regarding compliance with PLOS policies and multiple apparent errors in the reference list.

Specifically,

- Concerns were raised about potential undisclosed use of an artificial intelligence tool to generate text in the article due to inclusion of the phrase "regenerate response" and extensive reference list concerns. PLOS was unable to verify 18 of the 76 cited references, and 6 additional references appear to contain errors. The first and corresponding authors stated that the authors were responsible for the manuscript content and that the only AI tool used during manuscript preparation was Grammarly, to improve language. They provided replacement references but several of the replacements did not appear to support the corresponding statements in the article.
- The article [1] declared that ethics approval was obtained from Soochow University but did not mention approvals from Pakistan where the study was conducted. The first and corresponding authors stated that they sought permissions from Pakistani authorities before conducting the study. The ethics approval document and Pakistani approval documents provided to PLOS were dated in January 2023, after the recruitment start date listed in the S1 Checklist [1]. The recruitment dates in the S1 Checklist (June 2022 –April 2023) differ from those listed in the Materials and Methods section (January 2023 –July 2023). The first author asserted that the latter are the correct dates of recruitment but PLOS has been unable to obtain institutional input needed to clarify this issue.
- The PLOS ONE Editors have concerns about the article's compliance with PLOS Authorship policy based on information that came to light during post-publication discussion with the authors.

The PLOS ONE Editors retract this article due to the above concerns which have not been fully resolved and which call into question the article's reliability and compliance with the PLOS policies. The editors regret that these issues were not identified prior to publication.

MO and MY agreed with the retraction. RS, QH, and RM did not agree with the retraction. II either did not respond directly or could not be reached.

18 Apr 2024: The PLOS ONE Editors (2024) Retraction: A comparative analysis of blended learning and traditional instruction: Effects on academic motivation and learning outcomes. PLOS ONE 19(4): e0302484. <https://doi.org/10.1371/journal.pone.0302484> | [View retraction](#)

8e. Génération d'images avec l'IA générative

Guillaume Cabanac [\(here and elsewhere\)](#)
@gcabanac

☹️ Apparently the 'Chimeric Rat' Review Article passed peer review (as implemented by Frontiers in Cell and Developmental Biology) with at least 2 reviewers, see the comments on the right hand side...
web.archive.org/web/2024021605... (PDF:
web.archive.org/web/2024021608...)

Comment

12 comments

The portion added to this paragraph is a modification and addition to question 2 of REVIEW 2

PAGE 10 2

gxy119
References added in this section

gxy119
References added in this section

PAGE 12 1

gxy119
The portion added to this paragraph is a modification and addition to question 3 of REVIEW 1

PAGE 19 1

gxy119
The portion added to this paragraph is a modification and addition to question 4 of REVIEW 1

PAGE 38 1

gxy119
The portion added to this paragraph is a modification and addition to question 5 and 6 of REVIEW 1

PAGE 38 1

gxy119
The portion added to this paragraph is a modification and addition to question 5 and 6 of REVIEW 1

ALT

Retraction Watch and 9 others

The rat with the big balls and the enormous penis – how Frontiers published a paper with botched AI-generated images



eliesbik
February 15, 2024

Artificial Intelligence,
Easy Journals, Image
Concerns, Peer Review
Fail

Frontiers, journals,
Midjourney, peer
review, publishing, rat,
research, science,
stem cells, testes
5 Comments

A [review article](#) with some obviously fake and non-scientific illustrations created by Artificial Intelligence (AI) was the talk on X (Twitter) today.

The figures in the paper were generated by the AI tool Midjourney, which generated some pretty, but nonsensical, illustrations with unreadable text.

It appears that neither the editor nor the two peer reviewers looked at the figures at all. The paper was peer-reviewed within a couple of weeks and published two days ago.

Dear readers, today I present you: the rat with the enormous family jewels and the diolcttal stem ells.

<https://scienceintegritydigest.com/2024/02/15/the-rat>

8f. Génération d'images



Guillaume Cabanac (here and elsewhere)

@gcabanac

2 Apr 2024

#GenerativeAI will soon flood the scientific literature with nonsensical-yet-colourful images 🗨️: "figure seem[s] nice and clear" says Reviewer 3 🙄 of this @MDPIOpenAccess Pharmaceutics article, see pubpeer.com/publications/8... [x.com/gcabanac/statu...](https://x.com/gcabanac/status/1775092852340531462)

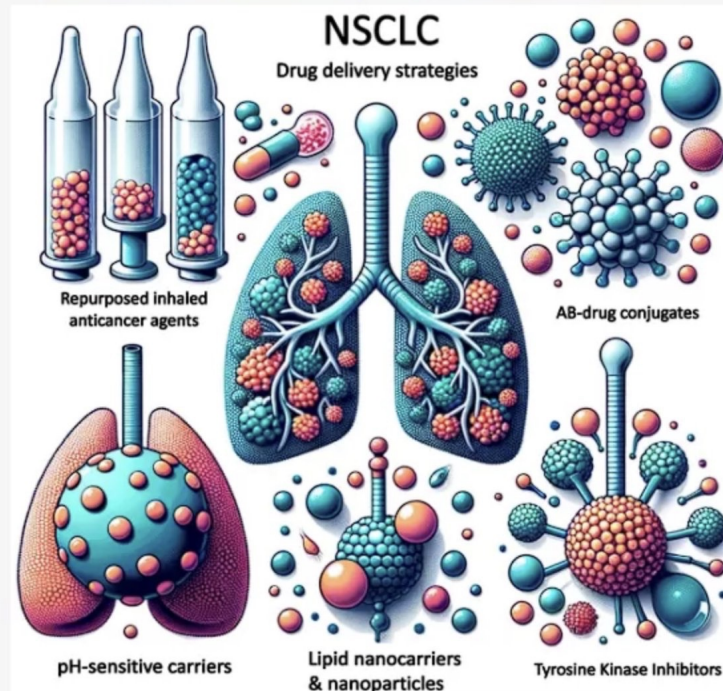
<https://x.com/gcabanac/status/1775092852340531462>

#1 *Gymnidium turbinatum* commented April 2024

Figure 1 was AI-generated. It does not make any sense

<https://doi.org/10.3390/pharmaceutics15122777>

Figure 1. Examples of current drug delivery strategies for the treatment of NSCLC.



#2 Guillaume Cabanac commented April 2024

Reviewer 3 (archived) found the figure "nice and clear":

Reviewer 3 Report

Comments and Suggestions for Authors

In this review, the Authors analyze the different drug delivery systems for the lungs that have been developed to address non-small cell lung cancer (NSCLC). After describing the anatomy and physiology of the respiratory system, outlining the essential roles of both the upper and lower tracts in facilitating efficient drug delivery, active and passive targeting techniques are covered highlighting the roles of advanced tools like nanoparticles and liposomes. Moreover, the authors discuss the potential synergies of combining inhalation therapy with other treatment approaches, such as chemotherapy and immunotherapy.

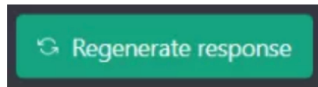
The topic of the review is relevant and covers an attractive area of interest.

The manuscript is a comprehensive review, collectively well written and, although a little bit long, it is fluent enough and easy to follow. The 2 Tables and figure seem nice and clear.

8g. Génération de texte avec ChatGPT : les *reviews*

#1 Guillaume Cabanac commented May 2023

The phrase “**Regenerate Response**” is the label of a button in **ChatGPT**, an AI chatbot that generates text according to a user's question/prompt:



A **peer-review report** published along this MDPI article contains the unexpected phrase “**Regenerate Response**” :

Round 2

Reviewer 1 Report

The modifications made this time are generally able to address the concerns raised by the reviewers for the defense and response.

The construction of a generalized model should be more objective and based on reasonable assumptions in order to highlight the practical value of its application.

Regenerate response



Author Response

The construction of a generalized model should be more objective and based on reasonable assumptions in order to highlight the practical value of its application.

Response: Thanks for your valuable comments. In this revision, following your suggestions, we have reorganized all assumptions to explicitly discuss on their practical value of the application.

Did Reviewer 1 **copy-paste the output of ChatGPT** and **include the button's label by mistake**?

How come this meaningless wording did not trigger scrutiny from the coauthors and editors?

Did the authors ask about this unexpected phrase?

nature — NEWS | 08 September 2023

Scientific sleuths spot dishonest ChatGPT use in papers

Manuscripts that don't disclose AI assistance are slipping past peer reviewers.

<https://doi.org/10.1038/d41586-023-02477-w>

THE TIMES

Monday September 18
2023, 12.01am BST,

SCIENCE

Academic sleuth sniffs out ChatGPT fakery in research papers

'Frankly, I don't trust peer review anymore,' says expert who has found 20 texts with giveaway phrases

<https://www.thetimes.co.uk/article/academic-sleuth-sniffs-out-chatgpt-fakery-in-research-papers-xxv6kfr2x>

8h. Génération de texte avec ChatGPT : les reviews



Science of Science

@MishaTeplitskiy

Lots of people in CS are (almost surely) GPT-ing their peer reviews

arxiv.org/abs/2403.07183

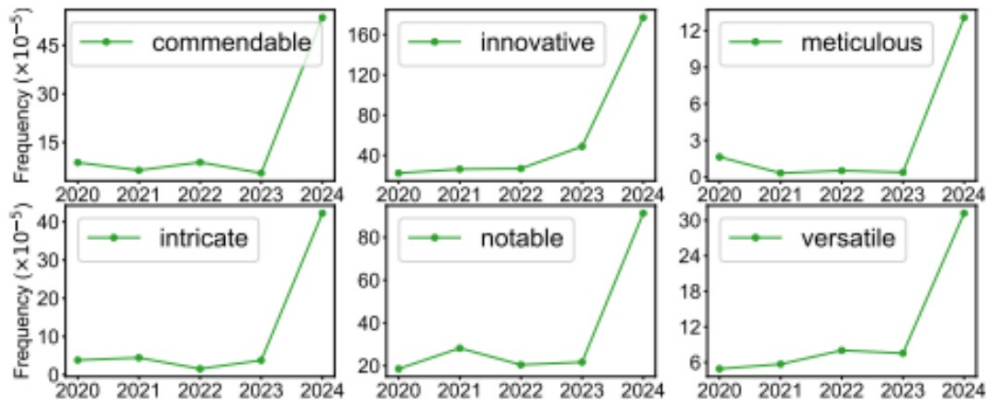


Figure 1: Shift in Adjective Frequency in ICLR 2024 Peer Reviews. We find a significant shift in the frequency of certain tokens in ICLR 2024, with adjectives such as “commendable”, “meticulous”, and “intricate” showing 9.8, 34.7, and 11.2-fold increases in probability of occurring in a sentence. We find a similar trend in *NeurIPS* but not in *Nature Portfolio* journals. Supp. Table 2 and Supp. Figure 12 in the Appendix provide a visualization of the top 100 adjectives produced disproportionately by AI.



Alex Hern

Tue 16 Apr 2024

TechScape: How cheap, outsourced labour in Africa is shaping AI English

Workers in Africa have been exploited first by being paid a pittance to help make chatbots, then by having their own words become AI-ese. Plus, new AI gadgets are coming for your smartphones

I said “delve” was overused by ChatGPT compared to the internet at large. But there’s one part of the internet where “delve” is a much more common word: the African web. In Nigeria, “delve” is much more frequently used in business English than it is in England or the US. So the workers training their systems provided examples of input and output that used the same language, eventually ending up with an AI system that writes slightly like an African.

And that’s the final indignity. If AI-ese sounds like African English, then African English sounds like AI-ese. Calling people a “bot” is already a schoolyard insult (ask your kids; it’s a Fortnite thing); how much worse will it get when a significant chunk of humanity sounds like the AI systems they were paid to train?

9. Lignées cellulaires erronées ou inventées

RESEARCH ARTICLE | Open Access |

Misspellings or “miscellings”—Non-verifiable and unknown cell lines in cancer research publications

Danielle J. Oste, Pranjana Pathmendra, Reese A. K. Richardson, Gracen Johnson, Yida Ao, Maya D. Arya, Naomi R. Enoch, Muhammed Hussein, Jinghan Kang, Aaron Lee, Jonathan J. Danon, Guillaume Cabanac, Cyril Labbé, Amanda Capes Davis, Thomas Stoeger, Jennifer A. Byrne

First published: 15 May 2024 | <https://doi.org/10.1002/ijc.34995>

Prof Jennifer Byrne reposted

International Journal of Cancer
@IntJCanc

NOW ONLINE

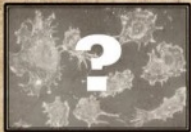
From @JAByrneSci and collaborators: study flagged 23 non-verifiable human cell line identifiers, revealing that misspellings can lead to new, unverified cell line identities

#CellLineAuthentication is crucial in #LabResearch!

OPEN ACCESS

doi.org/10.1002/ijc.34...

**WANTED
CELL LINE**



BGC803
143 ARTICLES
LAST SEEN IN THE COMPANY
OF BGC823 AND MGC803
REWARD:
BETTER USE OF YOUR RESEARCH \$\$\$

IJC

Misspellings or “miscellings”—
Non-verifiable and unknown cell lines
in cancer research publications

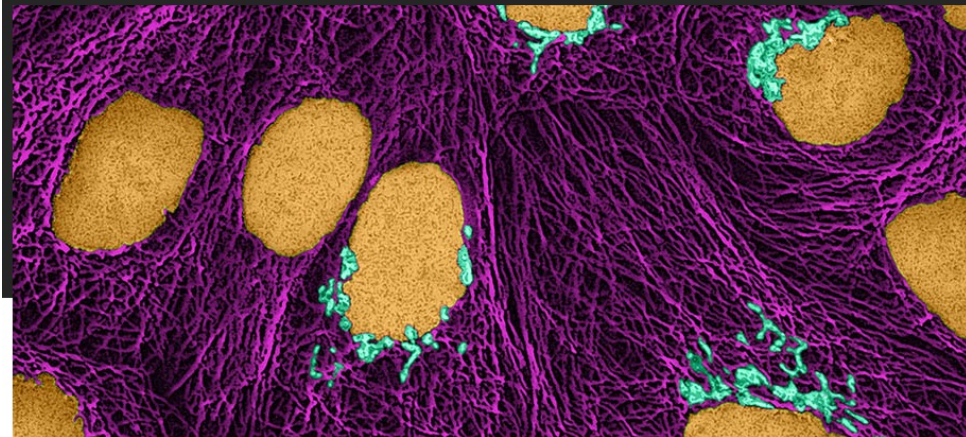
8:30 am · 17 May 2024 · <https://twitter.com/JAByrneSci/status/179138342286854196>

SCIENCEINSIDER | BIOLOGY

Hundreds of cancer papers mention cell lines that don't seem to exist

Finding could be an indicator of paper mill activity

21 MAY 2024 · 6:25 PM ET · BY JEFFREY BRAINARD



<https://doi.org/10.1126/science.z8npjpa>

IN THE PIPELINE | THE DARK SIDE

Keeping Up With Fakery

10 JUN 2024 · 11:10 AM ET · 4 MIN READ · COMMENTS

<https://www.science.org/content/blog-post/keeping-fakery>

10a. Colosses aux pieds d'argile

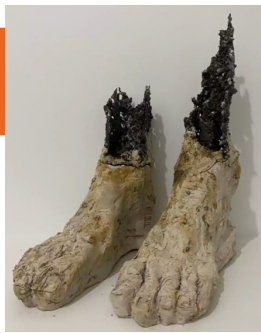
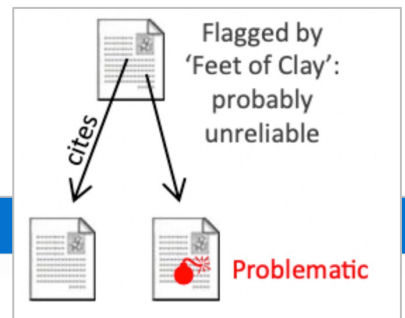


Illustration: Phil Wheeler



- Problematic Paper Screener
- Home
 - Media Coverage
 - Fingerprints
 - All Problematic Papers
 - Detectors:
 - Tortured
 - SClgen
 - Mathgen
 - SBIR
 - Suspect
 - Seek&Blastn
 - Problematic Cell Lines
 - Citejacked
 - Feet of Clay**
 - Journal Cases

Feet of Clay Detector

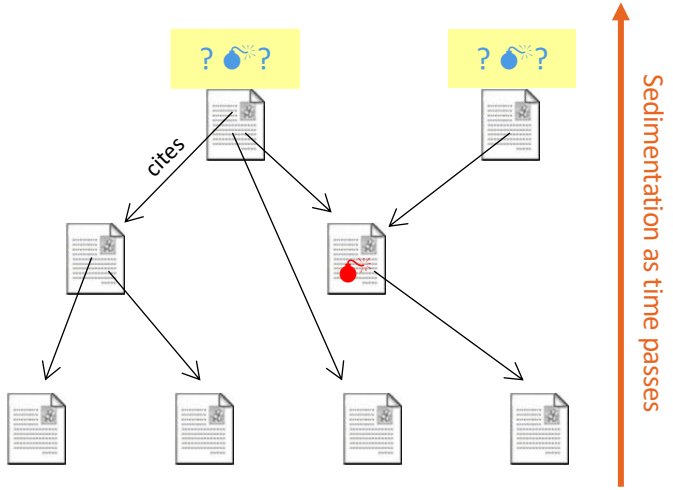
These papers may be unreliable as they cite problematic papers tabulated on the PPS.

Please post True Positives on PubPeer: the last column will link to your PubPeer comment.

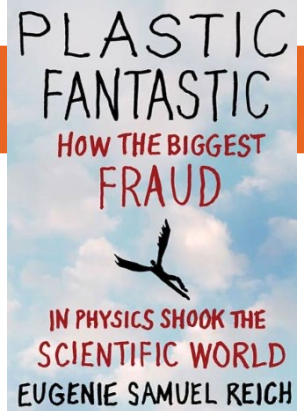
Report True/False Positives, ideas, or else using the Feedback feature.

Q Go 1. Primary Report Rows

Year	Doctype	Publisher	Venue	Title	Tips
2022	proceeding	Institute of Electrical and Electronics Engineers (IEEE)	2022 2nd International Conference on Computing and Machine Intelligence (ICMI)	Designing Dual Level Spectrum Sensing Mechanism for Cognitive Radio	17
2019	article	Springer Nature	Clinical and Translational Oncology	miRNA signatures in childhood sarcomas and their clinical implications	16
2021	proceeding	Institute of Electrical and Electronics Engineers (IEEE)	2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT)	Retinal Fundus Images Of Optical Disk Detection	15



10b. [FoC] Cas 1 : Impact d'une fraude



In *Plastic Fantastic*, Reich investigates how [Jan Hendrik Schön](#), a young physicist working in the field of [advanced microelectronics](#) at [Bell Labs](#), was able to repeatedly fabricate scientific results to mislead his collaborators, journal editors, and the [scientific community](#). The book is based on interviews with 126 scientists.^{[2][3][4]}

Coupling of gate-induced superconducting polythiophene layers through an insulating part

Physical Review B (2001) - 1 Comment
doi: 10.1103/physrevb.65.052502 issn: 0163-1829 issn: 1095-3795

Jan Hendrik Schön

#1 Guillaume Cabanac commented January 2024

PHYSICAL REVIEW B

covering condensed matter and materials physics

Readers should reassess the reliability of this paper as its bibliography includes **5 questioned references** that are likely to be unreliable. So far, the following have been spotted:

Questioned References Cited	Details
10.1038/35021011 retraction	[2000] <i>Nature</i> : RETRACTED ARTICLE: Superconductivity in molecular crystals induced by charge injection. J. H. Schön • Ch. Kloc • B. Batlogg
10.1126/science.1058812 retraction	[2001] <i>Science</i> : Josephson Junctions with Tunable Weak Links. Jan Hendrik Schön • Christian Kloc • Harold Y. Hwang • Bertram Batlogg
10.1038/35065565 retraction	[2001] <i>Nature</i> : Gate-induced superconductivity in a solution-processed organic polymer film. J. H. Schön • A. Dodabalapur • Z. Bao • Ch. Kloc • O. Schenker • B. Batlogg
10.1126/science.288.5475.2338 retraction	[2000] <i>Science</i> : Fractional Quantum Hall Effect in Organic Molecular Semiconductors. J. H. Schön • Ch. Kloc • B. Batlogg
10.1038/35046008 retraction	[2000] <i>Nature</i> : Superconductivity at 52 K in hole-doped C60. J. H. Schön • Ch. Kloc • B. Batlogg

According to [Dimensions](#), this article has not been cited to date.

Flagged by the [Problematic Paper Screener](#), [Feet of Clay](#) Detector.

Charge transport through a single tetracene grain boundary

Applied Physics Letters (2001) - 1 Comment
doi: 10.1063/1.1379986 issn: 0003-6951 issn: 1077-3118

Jan Hendrik Schön, Christian Kloc

#1 Guillaume Cabanac commented January 2024



Applied Physics Letters

Readers should reassess the reliability of this paper as its bibliography includes **3 questioned references** that are likely to be unreliable. So far, the following have been spotted:

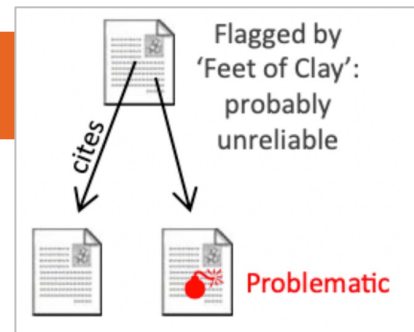
Questioned References Cited	Details
10.1126/science.288.5475.2338 retraction	[2000] <i>Science</i> : Fractional Quantum Hall Effect in Organic Molecular Semiconductors. J. H. Schön • Ch. Kloc • B. Batlogg
10.1126/science.287.5455.1022 retraction	[2000] <i>Science</i> : Ambipolar Pentacene Field-Effect Transistors and Inverters. J. H. Schön • S. Berg • Ch. Kloc • B. Batlogg
10.1063/1.1329634 retraction	[2000] <i>Applied Physics Letters</i> : Perylene: A promising organic field-effect transistor material. J. H. Schön • Ch. Kloc • B. Batlogg

According to [Dimensions](#), this article has been **cited 15 times**.

Flagged by the [Problematic Paper Screener](#), [Feet of Clay](#) Detector.



10c. [FoC] Cas 2 : Springer review



Guillaume Cabanac (@gcabanac@s... @gca... · 28 Sep

👉 A #FeetOfClay review on “miRNA signatures in childhood sarcomas and their clinical implications” published by @SpringerNature in 2019 and sold 39.95 €. It cites 51 (now) retracted papers and 6+ questionable ones. Is this article still reliable? pubpeer.com/publications/0...



#2 Guillaume Cabanac commented September 2023

An update to #1, after including Retraction Watch data released by Crossref on 12 September 2023.

Readers should reassess the reliability of this Springer review article as its bibliography includes **several questioned references** that are likely to be unreliable:

- 51 retracted or withdrawn references
- 6 questioned references

So far, the following have been spotted:

Questioned References Cited	Details
10.3727/096504017x14907375885605 retraction	[2017] <i>Oncology Research Featuring Precision Therapeutics</i> : Long Noncoding RNA LINC0-miR-422a Sponge to Aggravate the Tumor Osteosarcoma. Hai-Feng Zeng • Hai-Yan Q...
10.3727/096504017x14982578608217 retraction	[2017] <i>Oncology Research Featuring Precision Therapeutics</i> : Dexmedetomidine Inhibits Cell Proliferation and Migration, and Promotes miR-520a-3p. Xiaoyan Wang • Yongguang Xiao
10.1371/journal.pone.0119225 retraction	[2015] <i>PLOS ONE</i> : MicroRNA-153 Inhibits Cell Proliferation and Invasion by Targeting TGF-β1. Bin Li • Li Sun • Chenggong An
10.1371/journal.pone.0175553 retraction	[2017] <i>PLOS ONE</i> : MicroRNA-448 suppresses osteosarcoma cell proliferation and invasion through targeting EPHA7. Xiangkun Wu • Lihua Yan • Yongxi Liu • Wenfeng Xian • Liuyu Wang • Xunmeng Ding
10.1371/journal.pone.0115300 retraction	[2014] <i>PLOS ONE</i> : RETRACTED > MicroRNA-33b Suppresses Migration and Invasion by Targeting c-Myc in Osteosarcoma Cells. Ning Xu • Zimu Li • Zhang Yu • Feng Yan • Yang Liu • Xiaofeng Lu • Weiliang Yang
10.1371/journal.pone.0102621 retraction	[2014] <i>PLOS ONE</i> : The Tumor-Suppressive MicroRNA-135b Targets c-Myc in Osteosarcoma. Zheng Liu • Guangwu Zhang • Jian Li • Jiabang Liu • Pengfeng Lv
10.1371/journal.pone.0121175	[2015] <i>PLOS ONE</i> : The Downregulation of MiR-182 Is Associated with the Growth and Invasion of Osteosarcoma Cells through the Regulation of TIAM1 Expression. Jun Hu • Guohua Lv • Shuguang

ALT

#3 M. S. Brassesco commented October 2023

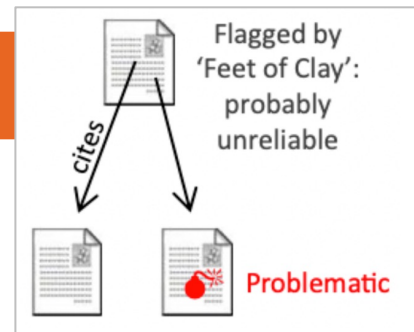
Author Response

Our review article was written with scientific criteria and at the time of publication the cited articles were all at pubmed and/or journal's websites. It has more than 600 references, It was hard, honest and rigorous work. I do not understand this accusations.

If Guillaume Cabanac wants to screen papers, hire him before the articles are published, not 5 years later.

<https://pubpeer.com/publications/091398A80C9DE06FBDDF5CF0560D42#3>

10d. [FoC] Cas 3 : ouvrage Springer



Guillaume Cabanac (@gcabanac@sc... @gca... · 9 Sep

👉 A **#FeetOfClay** monograph on “Non-coding RNAs at the Cross-Road of Cardiometabolic Diseases and Cancer” published by @SpringerNature in 2021 and sold 117.69 €. It cites 18 (now) retracted papers and 5+ questionable ones. Is this monograph still reliable? pubpeer.com/publications/9...

Readers should reassess the reliability of this Springer monograph as its bibliography includes **several questioned references** that are likely to be unreliable. So far, the following have been spotted:

Questioned References Cited	Details
10.1080/15384101.2018.1562285 retraction	[2019] <i>Cell Cycle</i> : RETRACTED ARTICLE: NEAT1 regulates Th2 cell development by targeting STAT6 for degradation. Shuman Huang • Dong Dong • Yaqian Zhang • Zhuo Chen • Jing Geng • Yulin Zhao
10.1080/15384047.2019.1598762 retraction	[2019] <i>Cancer Biology & Therapy: A regulatory circuit of circ-MTDL1/miR-17/QKI-5 inhibits the proliferation of lung adenocarcinoma</i> . Binbin Zhang • Maolin Chen • Nan Jiang • Kefeng Shi • Runlin Qian
10.1080/15384101.2018.1556064 retraction	[2018] <i>Cell Cycle</i> : RETRACTED ARTICLE: TGF-β secreted by tumor-associated macrophages promotes proliferation and invasion of colorectal cancer via miR-34a-VEGF axis. Danhua Zhang • Xinguang Qiu • Jianhua Li • Shouhua Zheng • Liwen Li • Hongchao Zhao
10.1016/j.biopha.2018.05.078 retraction	[2018] <i>Biomedicine & Pharmacotherapy</i> : Long noncoding RNA PVT1 enhances the viability and invasion of papillary thyroid carcinoma cells by functioning as ceRNA of microRNA-30a through mediating expression of insulin like growth factor 1 receptor. Kun Feng • Yu Liu • Li-Juan Xu • Ling-Fei Zhao • Chao-Wen Jia • Ming-Yan Xu
10.1016/j.yexmp.2020.104436 retraction	[2020] <i>Experimental and Molecular Pathology</i> : LINC RNA Gas5 suppression protected Hi-1 cells against hypoxia injury by sponging Mir-222-3p. Jie He • Henhua Dai • Qian Zhao • Jianshu Guo • Chi Chen
10.1016/j.gene.2018.08.065 retraction	[2018] <i>Gene</i> : Long non-coding RNA UCA1 targets miR-185-5p and regulates cell mobility by affecting epithelial-mesenchymal transition in melanoma via Wnt/β-catenin signaling pathway. Xige Chen • Juan Gao • Yanhua Yu • Zhengjuan Zhao • Yingli Pan
10.1007/s00011-020-01364-8 retraction	[2020] <i>Inflammation Research</i> : RETRACTED ARTICLE: Knockdown of long non-coding RNA TUG1 depresses apoptosis of hippocampal neurons in Alzheimer's disease by elevating microRNA-15a and repressing ROCK1 expression. Xia Li • Sheng-Wu Wang • Xi-Ling Li • Feng-Yuan Yu • Hai-Ming Cong
10.1016/j.omtn.2020.02.007 retraction	[2020] <i>Molecular Therapy - Nucleic Acids</i> : lncRNA PVT1/MicroRNA-17-5p/PTEN Axis Regulates Secretion of E2 and P4, Proliferation, and Apoptosis of Ovarian Granulosa Cells in PCOS. Gelin Liu • Shengxian Liu • Guanlin Xing • Fang Wang
	[2016] <i>Cancer Cell International</i> : RETRACTED ARTICLE: Long noncoding

Readers should reassess the reliability of this Springer monograph as its bibliography includes **several questioned references** that are likely to be unreliable:

- 35 retracted or withdrawn references
- 5 questioned references

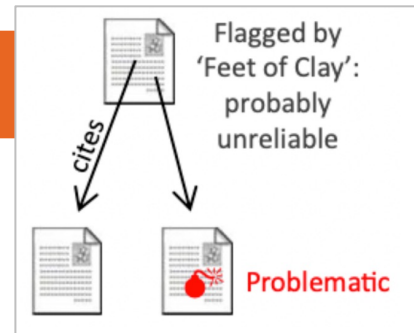
Update of September 2023

21 November 2023

I am contacting you today regarding our book publication on ‘*Non-coding RNAs at the Cross-Road of Cardiometabolic Diseases and Cancer*’ written by Paul Holvoet. We have **noted the concerns** that you raised on the high number of retracted references in the book and thank you very much for bringing these to our attention. Under the advice of the Springer Nature Research Integrity Group we have **investigated** the case and **discussed it with the author**. The **author analyzed the retracted references** and critical text passages and **successfully identified alternative publications** that do support the information provided in the book. Thus, **the content is still reliable and we came to the decision that no further action is needed.**

<https://pubpeer.com/publications/9F571982CF73571F41D7E533AF4A38>

10e. [FoC] Cas 4 : Frontiers review



Guillaume Cabanac
@gcabanac

Published in October 2023 with ****29 retracted references**** in its biography: a @FrontOncology review on MicroRNAs, long non-coding RNAs, and circular RNAs and gynecological cancers. How reliable is this review article? #FeetOfClay #DominoEffect pubpeer.com/publications/8...

#1 Guillaume Cabanac commented November 2023

Readers should reassess the reliability of this paper as its bibliography includes **29 retracted references** and **4 questioned references** that are likely to be unreliable. So far, the following have been spotted:

Questioned References Cited	Details
10.1080/15384101.2020.1757936 retraction	[2020] <i>Cell Cycle</i> : RETRACTED A lncRNA LINC01123 predicts progression of endometrial cancer. Yang • Jin Wu • Hongfeng Zhou • Zhang
10.1080/15384101.2019.1618121 retraction	[2019] <i>Cell Cycle</i> : RETRACTED A promoted invasion and metastasis of miR-200a/ZEB axis. Hao Gao • Jing Yu • Jiapo Wang • Li Li • We
10.1016/j.biopha.2020.109882 retraction	[2020] <i>Biomedicine & Pharmacology</i> promotes tumorigenesis of oval miR-139-5p/ROCK2 axis. Xiaoxi Qi • Yanli Wang

Publié en octobre 2023 avec 29/462 références rétractées, soit **6% de références non fiables**.

Ma collègue Yağmur a creusé... ↴

#2 Yağmur Öztürk commented December 2023

As shown in #1, the authors cited 29 retracted papers. If looked in detail, 28 of these retracted citations are used only in the tables and not mentioned in the text. Only the first citation (420) is used in the textual part of the paper. Is there a reason why the authors did not elaborate on these works?

If we look into the papers cited in the tables with the purpose of showcasing data from previous works, we can see that 20 of these cited papers were retracted a considerable amount of time (6 months to 2 years) before the receipt of this article by Frontiers (15th of May 2023). Were the retraction notices taken into account by the authors?

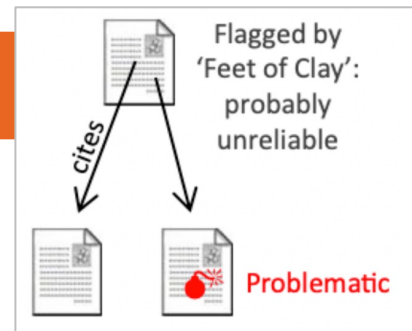
Retraction Watch and 8 others

10g. [FoC] Réponse des auteurs

Leveraging IoT-Aware Technologies and AI Techniques for Real-Time Critical Healthcare Applications

Sensors (2022) - 2 Comments

4 questioned references



#2 Teodoro Montanaro commented October 2023

Author Response

We would like to thank Dr. Guillaume Cabanac for his report. After a careful analysis of the reported "questioned references" it seems that the reason why the papers are "questioned" is mainly because of some "tortured phrases" that, anyway do not affect the peer-reviewed content. In addition, our work is a literature review so we were (and are) obliged to report and analyse all the works we identified in the literature, although they are "questioned references". Therefore, from our point of view, our work is not affected by the "questioned" nature of some analysed works and the results remain a useful overview for all the researchers interested in the domain.

Instead, I would like to report that the "PubPeer" website obstructed our reply to this comment and, only today, I was able to create an account to be recognised as an author of this paper, so I would suggest moving such kind of discussions and reports to more reliable and "scientific" platforms. If the platform works in this way I would expect also that there is not a proper mechanism to recognise authors and reviewers, their expertise, their reliability etc.

For any clarification, our emails are reported in the paper and we will be happy to answer any question, for instance, to promote collaboration.

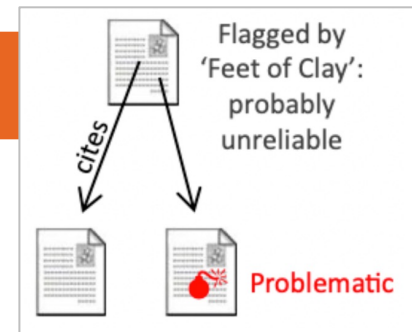
10h. [FoC] Réponse des auteurs

MicroRNA-206 in human cancer: Mechanistic and clinical perspectives

Cellular Signalling (2023) - 4 Comments

doi: 10.1016/j.cellsig.2022.110525 issn: 0898-6568 pubmed: 36400383

5 retracted + 1 questioned



#4 Seyed Mohsen Aghaei Zarch commented January 2024

Author Response

#1

Dear Cabanac I recently received the notification from PubPeer regarding the retraction of six references in our published article, and I appreciate the opportunity to address this matter. Firstly, I would like to assure you that we take the reliability and integrity of our research seriously. We have thoroughly investigated the concerns raised by the retractions and have taken the necessary steps to address them. While six references were indeed retracted, it's crucial to note that our article contains a substantial number of references (including 155), and the majority of which have been validated and proven reliable (97%). Upon further examination, we have found that the results obtained from the retracted articles align with the outcomes of other reliable and non-retracted references cited in our paper. It's important to emphasize that our conclusions and findings remain robust and are not significantly influenced by the retracted references. Thank you for bringing this matter to our attention, and we appreciate your diligence in ensuring the integrity of the scientific literature.

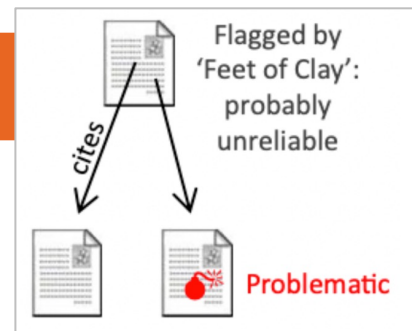
10i. [FoC] Réponse des auteurs

MicroRNA as Epigenetic Modifiers in Endometrial Cancer: A Systematic Review

Cancers (2021) - 2 Comments

pubmed: 33800944 doi: 10.3390/cancers13051137 issn: 2072-6694

3 retracted + 3 questioned



#2 Amélia Favier commented January 2024

Author Response

Thank you for your comment, which enabled us to identify 11 suspect articles that needed to be removed from our literature review. As initially described in the materials and methods section, we conducted a search from such-and-such a date and stopped the search on September 30, 2020. At the time we were unaware that 9 articles would be withdrawn since July 2021 and 2 highly suspect according to comments published in November 2022. We therefore have the addendum to improve the quality of this manuscript. We remain at your disposal should you have any comments.

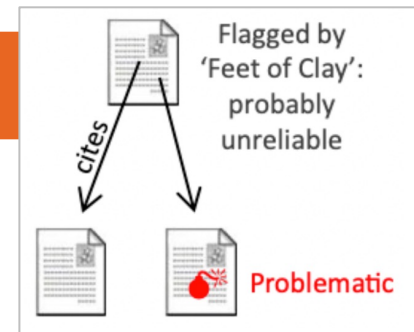
10j. [FoC] Réponse des auteurs

Regulation of microRNA-497 expression in human cancer

Oncology Letters (2021) - 2 Comments

pubmed: 33240429 doi: 10.3892/ol.2020.12284 issn: 1792-1074 issn: 1792-1082

2 retracted + 1 questioned



#2 GUOAN XIANG commented April 2023

#1 Thank you for your comments. After a careful review of the relevant literature, we found that there is indeed a problem with the above article. We apologize for the above error. We will contact the editorial board and remove the relevant literature.

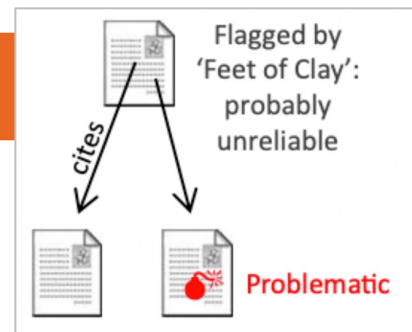
10k. [FoC] Réponse des auteurs

Comparison of Selected Non-Coding RNAs and Gene Expression Profiles between Common Osteosarcoma Cell Lines

Cancers (2022) - 4 Comments

pubmed: 36139691 doi: 10.3390/cancers14184533 issn: 2072-6694

1 retracted + 2 questioned



#2 *Hypsilurus godeffroyi* commented February 2023

Thank you for sending us this information. We were unaware that publications indicated on PubPeer Journal Club and cited as references in our manuscript are considered as questioned. Regarding references:

- [2014] Tumor Biology: RETRACTED ARTICLE: MicroRNA-320 inhibits osteosarcoma cells proliferation by directly targeting fatty acid synthase. Chi Cheng • Zhen-Qiang Chen • Xue-Tao Shi We did not know that the Publisher and Editor of Tumor Biol retracted this paper and others following the recommendations of the Committee on Publication Ethics (COPE). We have found this information in the PubPeer report. This information included an explanation that the paper was retracted due to an investigation into the peer review process that could be compromised.
- [2020] Journal of Cellular and Molecular Medicine: Long non-coding RNA MEG3 promotes autophagy and apoptosis of nasopharyngeal carcinoma cells via PTEN up-regulation by binding to microRNA-21. Liqiang Lin • Xiaoli Liu • Baotao Lv Similarly, we have learned about the potential manipulation of Western blots presented in this paper from PubPeer. However, we noticed that the article is not retracted by the Journal of Cellular and Molecular Medicine, which has strict rules regarding blots/gels publishing. The authors publishing in JCOMM must provide original unprocessed images for every result presented in the paper.
- [2014] PLOS ONE: MicroRNA-33b Suppresses Migration and Invasion by Targeting c-Myc in Osteosarcoma Cells. Ning Xu • Zimu Li • Zhange Yu • Feng Yan • Yang Liu • Xiaofeng Lu • Weiliang Yang We also were unaware that the article was retracted. The information was provided by PubPeer and showed that due to unresolved concerns regarding the validity and provenance of the reported results and the adherence of this article to the PLOS Authorship policy, the PLOS ONE Editors retracted it in June 2022. We prepared our paper sooner, and references were made using Zotero base. Thus, we did not find this information earlier. We admit that we used one reference to the retracted article. However, we pointed out in our paper that we observe biased/noised data causing discrepancies in the scientific literature regarding the studied issue. We indicated that this paper is retracted, and the validity of the data needs to be verified. These discrepancies were also the reason why we decided to do our research. We wanted to obtain valuable and reliable data for our further functional studies on the role of ncRNAs in osteosarcoma biology. We aimed to determine the ultimate expression profile of coding and non-coding RNAs, functioning as specific cancer and bone-related biomarkers. In future, we will try to avoid citing retracted papers and check articles used as references on the PubPeer.

Agnieszka Śmieszek On behalf co-Authors

#3 Guillaume Cabanac commented March 2023

Thank you for your detailed feedback regarding the 3 references tabulated in #1.

Regarding your closing statement:

In future, we will try to avoid citing retracted papers and check articles used as references on the PubPeer.

Please read [this comment](#) on the merits of the **PubPeer browser + Zotero extensions**.

report permalink Reply

#4 Agnieszka Śmieszek commented March 2023

Author Response

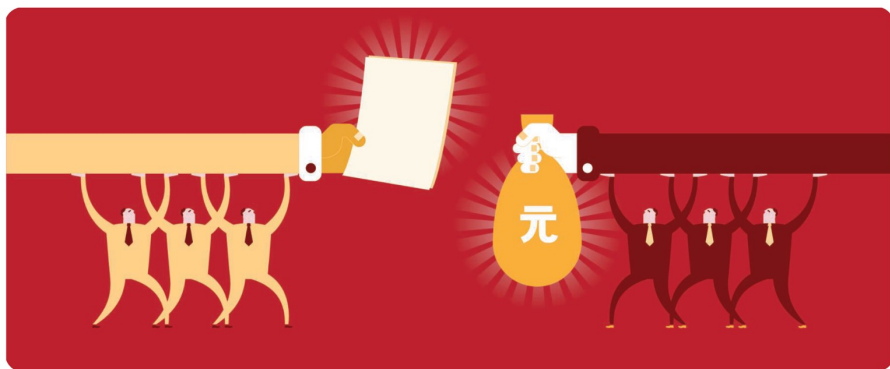
#3

Yes, I have installed the notification from Pubpeer. I have it on the browser and in Zotero. Thank you very much.

11a. Fabrication et vente d'articles : *Paper Mills*

—MARA HVISTENDAHL

www.sciencemag.org SCIENCE VOL 342 29 NOVEMBER 2013



China's Publication Bazaar

A *Science* investigation has uncovered a smorgasbord of questionable practices including paying for author's slots on papers written by other scientists and buying papers from online brokers

"IT'S UNBELIEVABLE: YOU CAN PUBLISH SCI PAPERS WITHOUT DOING EXPERIMENTS."

—Banner on Sciedit's website

Description de la mauvaise pratique (février 2022) :

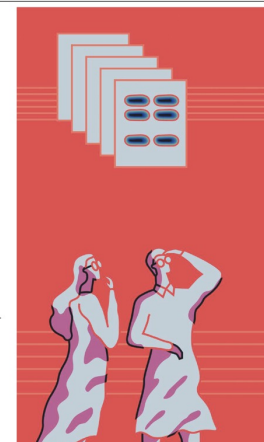
<https://pubpeer.com/publications/940C291607CF03969C6A936F8BA5B9#2>

Feature

516 | Nature | Vol 591 | 25 March 2021

THE BATTLE AGAINST PAPER MILLS

Some journals have admitted to a problem with fake research papers. Now editors are trying to combat it. **By Holly Else and Richard Van Noorden**



Industrialized cheating

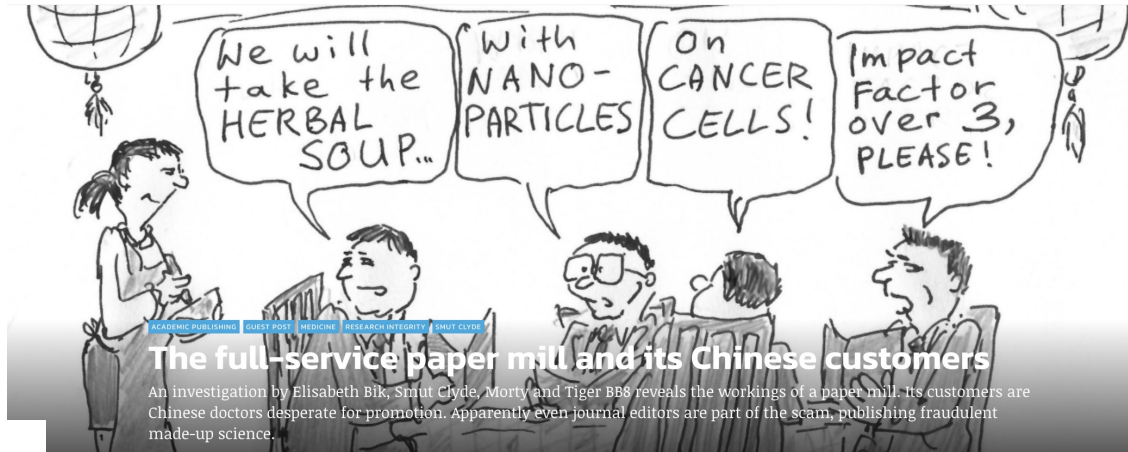
The problem of organized fraud in publishing is not new, and not confined to China, notes Catriona Fennell, who heads publishing services at the world's largest scientific publisher, Elsevier. "We've seen evidence of industrialized cheating from several other countries, including Iran and Russia," she told *Nature* last year. Others have also reported on Iranian and Russian paper-mill activities.

In a statement this year to *Nature*, Elsevier said that its journal editors detect and prevent the publication of thousands of probable paper-mill submissions each year, although some do get through.

China has long been known to have a problem with firms selling papers to researchers, says Xiaotian Chen, a librarian at Bradley University in Peoria, Illinois. As far back as 2010, a team led by Shen Yang, a management-studies researcher then at Wuhan University in China, warned of websites offering to ghostwrite papers on fictional research, or to bypass peer-review systems for payment. In 2013, *Science* reported on a market for authorships on research papers in China. In 2017, China's Ministry of Science and Technology (MOST) said it would crack down on misconduct after a scandal in which 107 papers were retracted at the journal *Tumor Biology*; their peer reviews had been fabricated and a MOST investigation concluded that some had been produced by third-party companies.

Physicians in China are a particular target market because they typically need to publish research articles to gain promotions, but are so busy at hospitals that they might not have time to do the science, says Chen. Last August, the Beijing municipal health authority published a policy stipulating that an attending physician wanting to be promoted to deputy chief physician must have at least two first-author papers published in professional journals; three first-author papers are required to become a chief physician. These titles affect

11b. Fabrication et vente d'articles : Paper Mills



For Better Science

BY LEONID SCHNEIDER, ON RESEARCH INTEGRITY, BIOMEDICAL ETHICS AND ACADEMIC PUBLISHING



BY LEONID SCHNEIDER
JANUARY 24, 2020

In China, clinicians are expected to publish a certain number of research papers in international journals if they want to be promoted. The easiest way is to pay a paper mill, which seem to provide a full service: an English-speaking research paper containing Photoshop-generated fake research data, in a respectable peer-reviewed journal, with your name on it. Entire journals published by Wiley or Elsevier succumb to such scams, presumably because certain corrupt editorial board members are part of it. This was uncovered in an investigation by Elisabeth Bik, as well as the pseudonymous Smut Clyde, Morty and Tiger BB8, and narrated below by Smut Clyde.

The presently almost 500 papers were traced to one specific paper mill not because of direct image reuse, but because the data showed same patterns of falsifications: same blot backgrounds, same shapes of bands, and similarly falsified flow cytometry plots.



12. Vente de position d'auteurs

Introducing two sites that claim to sell authorships on scientific papers

The screenshot shows a website header with a navigation menu including 'CONTACT US', 'COOPERATION', 'WEBLOG', 'MULTIMEDIA', 'POSSIBILITIES', 'SERVICES', and 'HOME'. The main content area is titled 'Articles ready for acceptance' and features a table with the following data:

Description	field	Condition	Journal	Title
Category: Q1 Impact: 3.5	Industries- Computer and Mechanics	Review	Sustainable Energy Technologies and Assessments	Prioritization of renewable energy resources in five climate zones in Iran using AHP, TOPSIS and SAW methods
Category: JCR Impact: 0.7	Mathematical Physics	Submit	journal of mathematics	Numerical simulation of the unusual phenomenon of electron diffusion
Category: JCR Impact: 2.9	Physics, chemistry, materials, mechanics, manufacturing	Review	Vacuum-Elsevier	Investigation of creep behavior of GTD-111 super
ISI, Scopus Second and third names	Earth sciences, remote sensing, mapping, geology, geography	Review	Bulletin of Geography: Physical Geography Series	Self-Organization Map of GRACE-FO
Category: JCR Impact: 1.4	Civil, soil and foundation, ... geology	Review	Nondestructive Testing and Evaluation	Estimation of brittleness and velocity of rock shear wave with different models
Category: Q2 Impact: 2.8	Mechanics- Chemistry- Computers	Review	International Journal of Numerical Methods for Heat & Fluid Flow Emerald Insight	Mathematical modeling of the production of magnetic Fe3O4 nanoparticles through counter-flow non- premixed combustion
Category: Q1 Impact: 4	Civil-Architecture	Review	Engineering with computers	Dynamic simulation of moderately thick annular system coupled with shape memory alloy and multi-phase nanocomposite face sheets
Category: Impact JCR: 3.7	Physics, chemistry, materials, mechanics, manufacturing	Review	Surface and Coatings Technology	Evolution of solidification and microstructural in laser-clad IN6

To the right of the table is a form with input fields for Name, Phone, and String, and a submit button.

<https://retractionwatch.com/?p=123031>

13a. Vente de citations par centaines

Why was a study about autism cited by a paper on plant beauty?

BY DALMEET SINGH CHAWLA / 21 JANUARY 2022

<https://doi.org/10.53053/MGSA7457>

Citation inflation: Autism studies, among others, are appearing in the reference lists of unrelated papers, possibly in an attempt to artificially boost authors' metrics.

#1 *Rhipidura albiventris* commented February 2022

A typical citation pattern of GW Wei, the first author of this paper.

1. Introduction

The ordered weighted aggregation (OWA) operator (Yager, 1988) as an aggregation technique has received more and more attention since its appearance (Merigó & Casanovas, 2009; Merigó & Gil-Lafuente, 2009; Merigó, 2010; Wei, 2008a, 2008b, 2008c, 2009a, 2009b, 2010a, 2010b, 2010c, 2010d; Wei, Zhao, & Lin, 2010; Wei, 2011a, 2011b, 2011c; Wei, Wang, Lin, & Zhao, 2011a, 2011b, Wei, Wang, & Lin, 2011c; Wei, 2011d, 2011e, 2011f, 2011g; Wei & Zhao, 2012; Zhang & Chu, 2009; Xu & Da, 2003). One important step of the OWA operator is to determine its associated weights. Many authors

dures to obt. from a colle second one and Da (200 for obtaining arguments u new depend ment-depend can relieve tl sults. Xu (2 weighted agg

3439–3447.
Wei, G. W. (2008a). Maximizing deviati making in intuitionistic fuzzy setting
Wei, G. W. (2008b). Interval-valued intt Journal of Information and Computati
Wei, G. W. (2008c). Induced intuition operator and its application to m Lecture Notes in Artificial Intelligence.
Wei, G. W. (2009a). Uncertain linguist application to group decision makit International Journal of Uncertainty 251–267.
Wei, G. W. (2009b). Some geometric agg dynamic multiple attribute decisit International Journal of Uncertainty 17(2), 179–196.
Wei, G. W. (2010a). GRA method for incomplete weight information in ir Systems, 23(3), 243–247.

scientific reports

OPEN Day-ahead electricity price forecasting using WPT, VMI, LSSVM-based self adaptive fuzzy kernel and modified HBMO algorithm

Rahmad Syah^{1,2}, Mohammad Rezaei², Marischa Elveny^{3,5}, Meysam Majidi Nezhad⁴, Dadan Ramdan¹, Mehdi Neshat⁶ & Afshin Davarpanah⁷

¹Data Science & Computational Intelligence Research Group, Universitas Medan Area, Medan, Indonesia. ²Computer Science and Engineering Department, University of Texas at Arlington, Arlington, USA. ³Data Science & Computational Intelligence Research Group, Universitas Sumatera Utara, Medan, Indonesia. ⁴Department of Astronautics, Electrical and Energy Engineering (DIAEE), Sapienza University of Rome, 00184 Rome, Italy. ⁵DS & CI Research Group, Universitas Medan Area, Medan, Indonesia. ⁶Optimisation and Logistics Group, School of Computer Science, University of Adelaide, Adelaide, Australia. ⁷Department of Mathematics, Aberystwyth University, Aberystwyth SY23 3FL, UK. [✉]email: rahmadsyah@staff.uma.ac.id; marischaelveny@usu.ac.id; mehdi.neshat@adelaide.edu.au

1375 | <https://doi.org/10.1038/s41598-021-96501-6> nature portfolio 1

Important of price forecasting. Over the recent years, modern technologies shows more potential as view of electricity industry relaxation which leads to clear market without an extra force, therefore, the number of market participants is increased since they freely accessed to market information. Owing to the participants growing and the intense competition forces, the first, fast and correct decisions will be necessary for both enterprises and academia to maximize profit which itself needed to more accurate information of electricity price. Owing to the uneconomical way for energy storage in large-scale and its decency to different factors such as holidays, sudden disturbance in transmission and generation power systems, celebrations, season, etc. the electricity price forecasting will be more difficult than any other financial markets. In other words, electricity markets price are the result of the intersection of supply and demand curves. The supply demand directly affects by weather conditions and general economy behaviors. In supply side, prices of fuel i.e. gas, coal, oil, etc. and unexpected fails also plays an important role. As result, Fig. 1 shows a graphical view of important factors which directly affects on power prices. It is clear that these factors make fluctuations in electricity price signals.

Received: 21 June 2021; Accepted: 2 August 2021
Published online: 30 August 2021

References

1. Zhang, D., Liang, Z., Yang, G., Li, Q., Li, L. & Sun, X. [A robust forgery detection algorithm for object removal by exemplar-based image inpainting] *Multi. Tools Appl.* 77(10), 11823–11842 (2018).
2. Song, Y., Zeng, Y., Li, X., Cai, B. & Yang, G. [Fast CU size decision and mode decision algorithm for intra prediction in HEVC] *Multi. Tools Appl.* 76(2), 2001–2017 (2017).
3. Gu, K., Wu, N., Yin, B. & Jia, W. [Secure data query framework for cloud and fog computing] *IEEE Trans. Net. Service Manag.* 17(1), 332–345 (2019).
4. Wei, W., Yongbin, J., Yanhong, L., Ji, L., Xin, W. & Tong, Z. [An advanced deep residual dense network (DRDN) approach for image super-resolution] *Int. J. Comput. Intel. Syst.* 12(2), 1592–1601 (2019).
5. Li, W., Xu, H., Li, H., Yang, Y., Sharma, P.K., Wang, J. & Singh, S. [Complexity and algorithms for superposed data uploading problem in networks with smart devices] *IEEE Int. Things J.* 7(7), 5882–5891 (2019).

References [1-5] are irrelevant to the subject and the short sentence in the above text!

References [6-10] are irrelevant to the subject and the short sentence in the above text!

References [11-14, 16-17, 19-26] are irrelevant to the subject and the short sentence in the above text!

13b. Achat de citations pour intégrer le club des HCR

#4 Schizomeris leibleinii commented November 2021

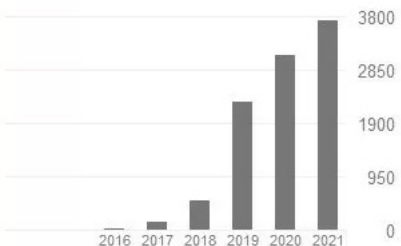


187 results

Mohamed **Elhoseny** has an impressive Output, Citation Count, H-Index and Publons score. According to his website (<http://www.mohamedelhoseny.com/academic-qualifications>) he finished his **PhD in 2015**. Since then he acquired an impressive H-index of more than 50 according to google scholar:

Cited by

	All	Since 2016
Citations	10040	9989
h-index	59	58
i10-index	174	174



#8 Marianne Alunno-Bruscia commented November 2021

Re #4. M. Elhoseny is part of the 2021 annual list of **Highly Cited Researchers™** from Clarivate™ “recognizing influential researchers in the sciences and social sciences from around the world”.

<https://web.archive.org/web/20211116210755/https://publons.com/researcher/1196537/mohamed-elhoseny/>

As stated by Clarivate™:

- “All Highly Cited Researcher records are reviewed. Factors such as retractions, misconduct, and extreme self-citation—all of which would detract from true community-wide research influence—may lead to an author being excluded from the list.”
- “There is no unique or universally agreed concept of what constitutes exceptional research performance and elite status in the sciences and social sciences. Consequently, no quantitative indicators will point to a list that satisfies all expectations or requirements.”

#1 Guillaume Cabanac commented February 2022

This article **cited 32 times** contains several **tortured phrases** that make some passages hard to parse. These typically result from an attempt to avoid plagiarism detection using a paraphrasing software.

need to know the channel state data at the transmitter. The most testing features in VANETs are their dynamic topology and **versatility**, where vehicles are moving at variable high speeds and in various directions. Conversely, the test in the WSN is in dealing with the constrained energy assets of the nodes, since the execution of WSNs emphatically relies upon their lifetime by Mohaisen et al. [11]. **To conquer these difficulties**, this exploration researches the impacts of various Quality of Service (QoS)

framework of the PSO algorithm. The progression vector demonstrates the course of the development of the dragonflies and characterized **as pursues**:

$$\Delta V_{i+1} = (sSe_i + aAl_i + cCo_i + fFood_i + eEnemy_i) + w\Delta V_i \quad (4)$$

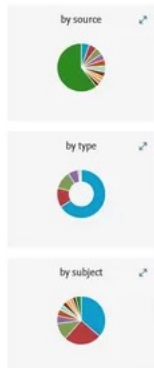
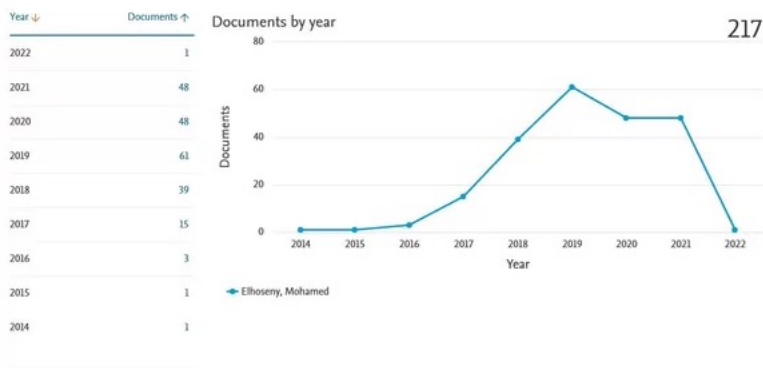
Energy Consumption: It is referred to as total energy **depleted** during data transmission of packets from source to destination.

Table 2 **clarifies** the outcome examination of a proposed model for an alternate number of vehicle nodes. In light of the node quality (efficient course), vehicles are

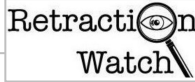
Can the authors explain why they departed from the established phrases?

How come these incorrect wordings survived proofreading by the coauthors, editors, referees, copy editors, and typesetters?

While producing between 40 and 60 papers a year according to Scopus, he also managed to review up to almost one paper per day for several journals in 2018.



14. Trafic de fausses références : *sneaked references*



<https://retractionwatch.com/2023/10/09/how-thousands>

How thousands of invisible citations sneak into papers and make for fake metrics

In 2022, Guillaume Cabanac noticed something unusual: a study had attracted more than 100 citations in a short span of less than two months of being published.



Cabanac, a computer scientist at the University of Toulouse in France, initially flagged the study on PubPeer after it was highlighted by the Problematic Paper Screener, which automatically identifies research papers with certain issues.

LE MONDE • SCIENCE & MÉDECINE
MERCREDI 29 NOVEMBRE 2023



LA VIE DES LABOS

Un trafic de références fantômes démantelé

DAVID LAROUSSERIE

<https://bit.ly/43iLGih>

arXiv > cs > arXiv:2310.02192 <https://doi.org/10.48550/arXiv.2310.02192>

Computer Science > Digital Libraries

[Submitted on 3 Oct 2023]

Sneaked references: Cooked reference metadata inflate citation counts

Lonni Besançon, Guillaume Cabanac, Cyril Labbé, Alexander Magazinov

JASIST
JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY

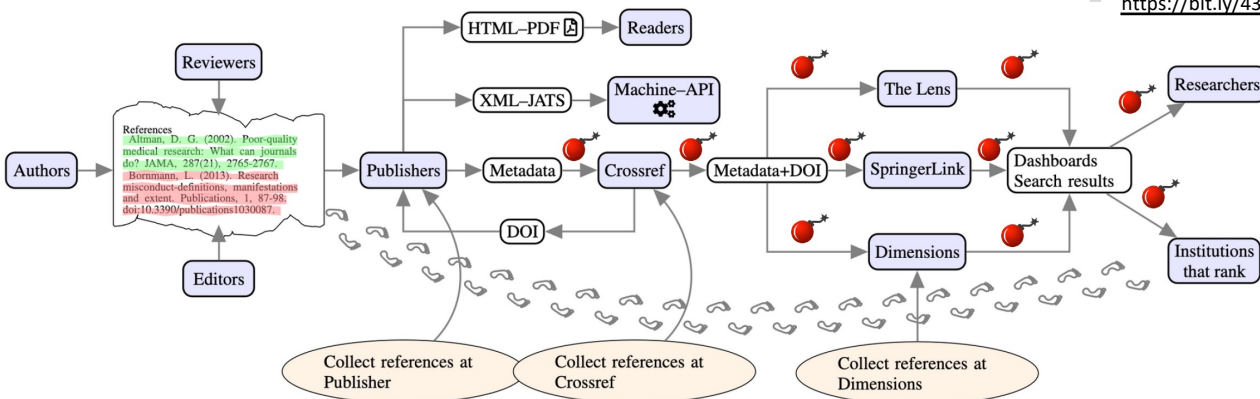
asis&t
Association for Information Science and Technology

RESEARCH ARTICLE | Open Access | CC BY

Sneaked references: Fabricated reference metadata distort citation counts

Lonni Besançon, Guillaume Cabanac, Cyril Labbé, Alexander Magazinov

First published: 06 May 2024 | <https://doi.org/10.1002/asi.24896>



15. Corruption du board



1.827 (2020)
Impact factor

The official journal of the Saudi Society for Geosciences, the Arabian Journal of Geosciences examines the entire range of earth science topics focused on, but not limited, to those that have regional significance to the Middle East and the Euro-Mediterranean Zone.

Use Case: the Arabian Journal of Geosciences

▷ August 23, 2021: Eracon Lachesis and Alexander Magazinov reported on PubPeer issues with a publication from Arabian Journal of Geosciences. See this annotated example:

Original Paper | Published: 21 August 2021

Research on coastal atmospheric change and Latin dance performance based on target detection network

Fan Bao

Arabian Journal of Geosciences 14, Article number: 1853 (2021) | Cite this article

Accesses | Metrics

Abstract

In recent years, with the progress of industrialization, human demand for natural resources has increased, China's environmental degradation, and the management and treatment of volatile organic pollutants, etc., will not only become the cause of ozone pollution, but also have a huge impact on human health. In response to this problem, China issued the "Twelfth Five-Year Plan on Air Pollution Prevention and Management in Major Regions" in 2012, which for the first time clearly pointed out the policy on the management of volatile organic pollutants and the strengthening of corporate production, and management of volatile organic pollutants during transportation. Increase the use of low-volatile organic solvents, reduce the use of high-volatile organic solvents, promote the management of organic waste gas pollution, and strengthen the recovery and utilization of organic waste gas. Establish a monitoring system for volatile organic pollutants in major industries and improve the emission standards for volatile organic pollutants.

Latin dance is a dance sport introduced to China in 1980, and now China holds Latin dance competitions every year. From an aesthetic point of view, Latin dance is a kind of artistic performance. Skilled Latin dance dancers during the performance can bring wonderful beauty to the audience and stimulate people's love for this dance movement. Based on the summary of the related content of Latin dance art performance, this article further analyzes the current situation and development trend of Latin dance art performance, hoping to provide some valuable reference materials to promote the development of Latin dance art in China. Through survey methods such as questionnaire surveys and expert interview methods, the artistic performance of Latin dance is investigated.

Without transition, just concatenated!

Part of a collection: Environment and Low Carbon Transportation

Access options

Buy article PDF 41,94 €

Tax calculation will be finalised during checkout.

Instant access to the full article PDF.

Buy journal subscription 88,60 €

Tax calculation will be finalised during checkout.

Immediate online access to all issues from 2019. Subscription will auto renew annually.

Rent this article via DeepDyve.

Learn more about institutional subscriptions

Sections: Abstract, References, Author information

Springer Nature slaps more than 400 papers with expressions of concern all at once

Retraction Watch

Tracking retractions as a window into the scientific process

September 28, 2021 | Ivan Oransky



Cartoon by Hilda Bastian (license)

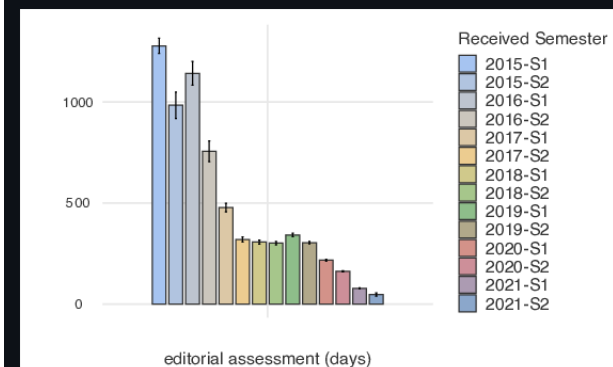
A total of 436 papers in two Springer Nature journals are being subjected to expressions of concern, in the latest case of special issues — in this case, “topical collections” — likely being exploited by rogue editors or impersonators.

<https://retractionwatch.com/2021/09/28/springer-nature-slaps-more-than-400-papers-with-expressions-of-concern-all-at-once/>

We observed an impressive and questionable shrinking of the duration of editorial assessments:

- 282 days in 2019-S2
- 159 days in 2020-S2
- 47 days in 2021-S2

▷ September 28, 2021: Springer published Expressions of concern for 436 publications in the Arabian Journal of Geosciences.



<https://github.com/gcabanc/editorial-assessment>

16a. Pratiques commerciales agressives de publishers

Is MDPI a predatory publisher?

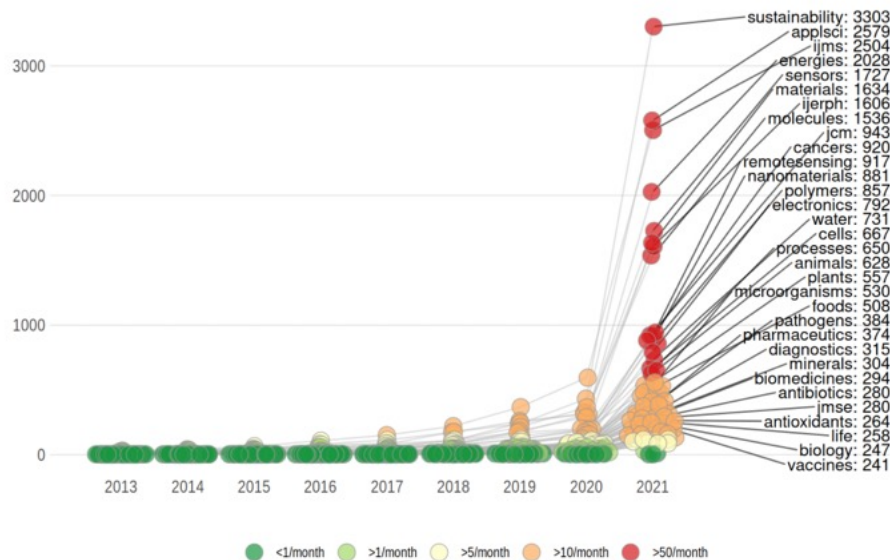
Paolo Crosetto | Uncategorized | April 12, 2021 | 20 Minutes

DR INRAE Grenoble | <https://paolocrosetto.wordpress.com/2021/04/12/is-mdpi-a-predatory-publisher/>

modèle économique : cooptation

Number of Special Issues at MDPI

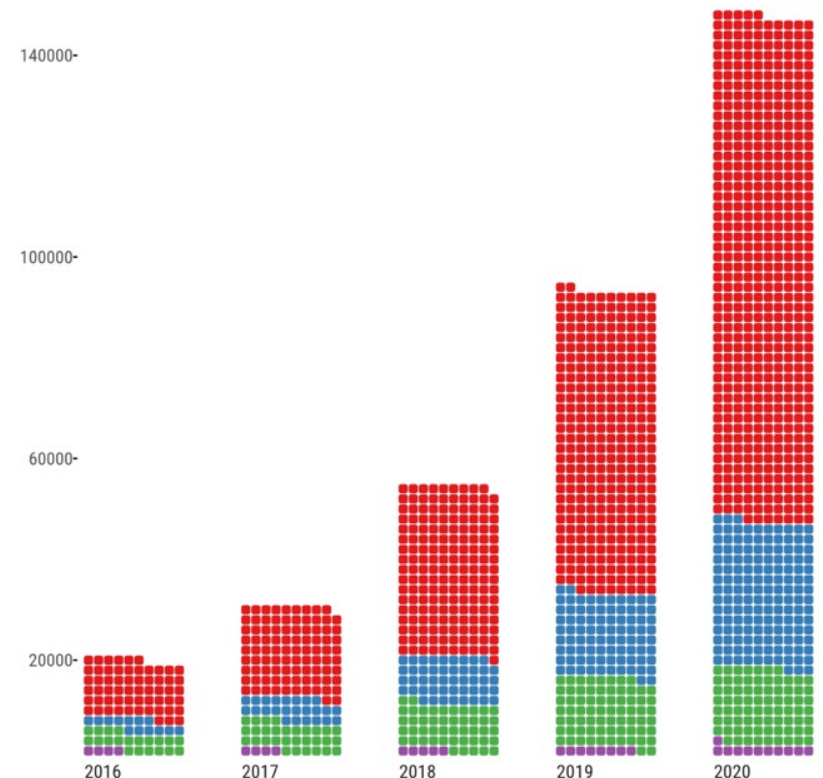
75 journals with an Impact Factor



code @paolocrosetto -- data scraped from MDPI website

Articles in Normal, Special Issues, Sections and Collections at MDPI

74 journals with an Impact Factor. One square = 200 articles



Data:MDPI -- code: @paolocrosetto

16b. Pratiques commerciales agressives de publishers



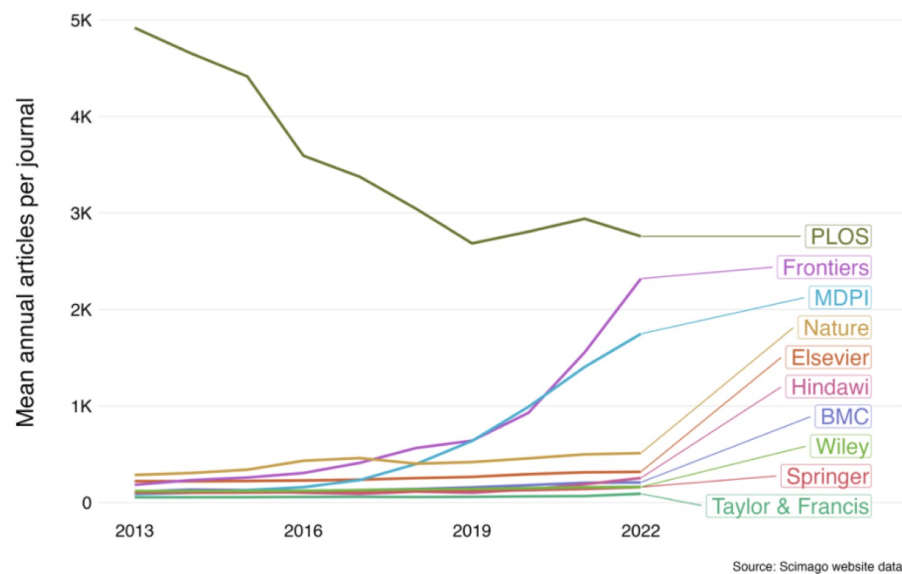
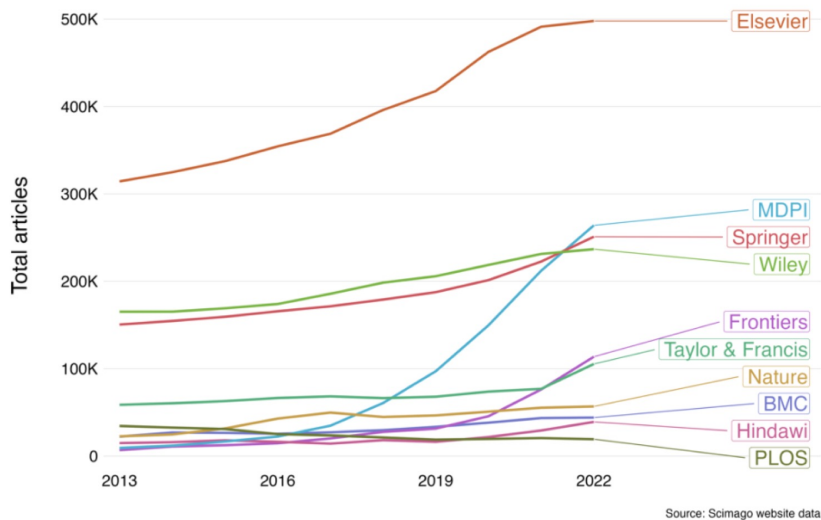
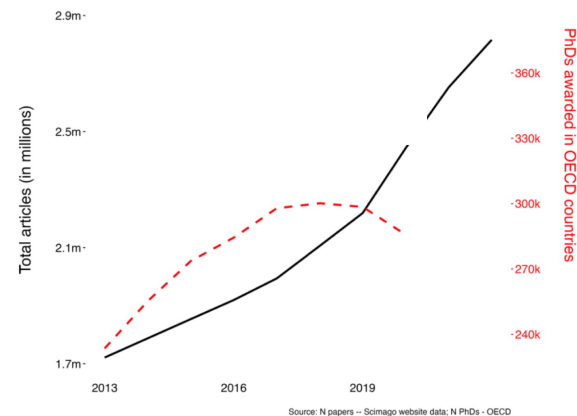
November 08 2024

The strain on scientific publishing

Quantitative Science Studies

https://doi.org/10.1162/qss_a_00327

Mark A. Hanson , Pablo Gómez Barreiro , Paolo Crosetto , Dan Brockington



16c. Pratiques commerciales agressives de *publishers*



November 08 2024

Quantitative Science Studies

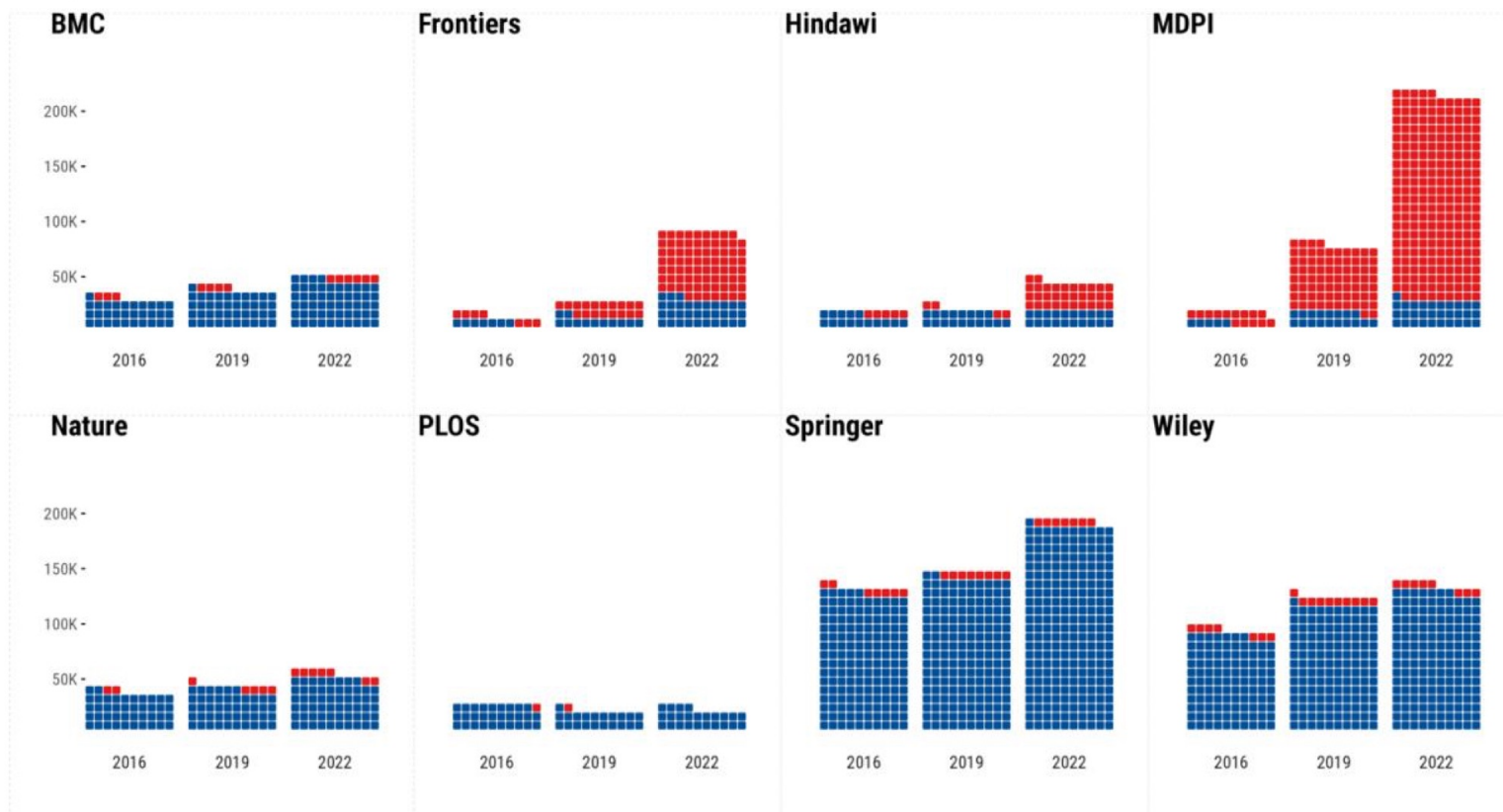
https://doi.org/10.1162/qss_a_00327

The strain on scientific publishing

Mark A. Hanson , Pablo Gómez Barreiro , Paolo Crosetto , Dan Brockington

Number of papers published in **regular** vs **special** issues, 2016-22

One square = 800 articles



Note: Special issues are called Collections at PLOS and Topics at Frontiers. For MDPI Collections, Sections and Topics not shown. Source: data scraped from the publisher's website

16d. Pratiques commerciales agressives de *publishers*



L'organisme français de recherche agronomique et de coopération internationale pour le développement durable des régions tropicales et méditerranéennes.

Mdpi, produire en masse les articles avec un délai soumis-accepté de quatre semaines (Résumé exécutif)

Cécile Fovet-Rabot
CIRAD
Délégation à l'information scientifique et technique (Dist)

Montpellier, 14 juin 2022

<https://doi.org/10.18167/agritrop/00592>

l'Institut national de recherche pour l'agriculture, l'alimentation et l'environnement **INRAE** DipSO



Bien choisir sa revue de publication, c'est éviter les éditeurs douteux !

Le cas MDPI
Multidisciplinary Digital Publishing Institute

Cet éditeur de revues en Open Access est aujourd'hui bien établi après avoir créé un large bouquet de revues nouvelles à partir de 2010. Le nombre de publications de chercheurs INRAE dans certaines de ses revues est en constante augmentation. C'est pourquoi il fait l'objet d'une attention particulière.

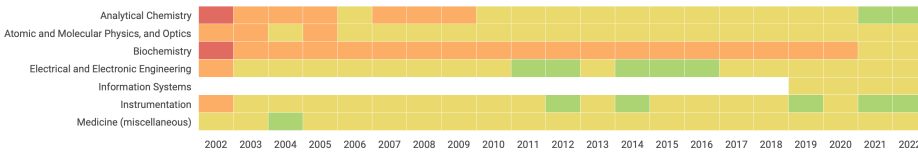
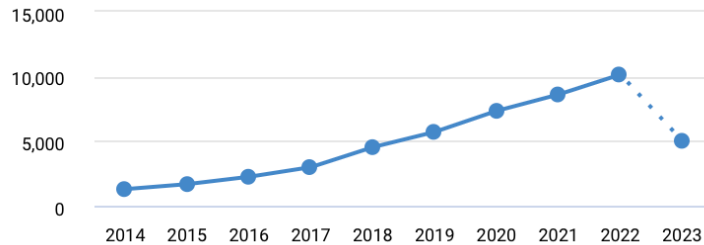
La crédibilité discutable^[3] accordée à MDPI provient essentiellement des 18 revues de son catalogue dont le facteur d'impact est supérieur à 4. L'éditeur reste connu pour utiliser des méthodes douteuses :

- Sollicitations abusives des chercheurs repérés grâce à des outils d'intelligence artificielle selon leur domaine de compétences ;
- Multiplication des numéros spéciaux chaque année (cf. graphique) pour attirer des auteurs ;
- Création de revues avec des titres similaires à d'autres revues de renom (ex : *Animal* et *Animals*, *Cell* et *Cells*)
- Délais de publication brefs et piètre qualité de la communication vers les auteurs.

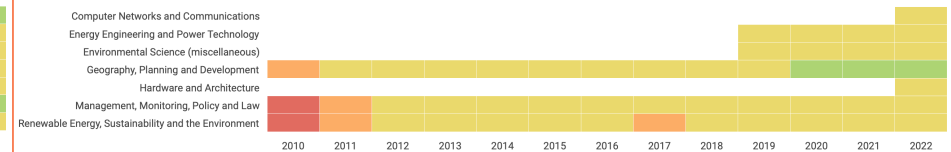
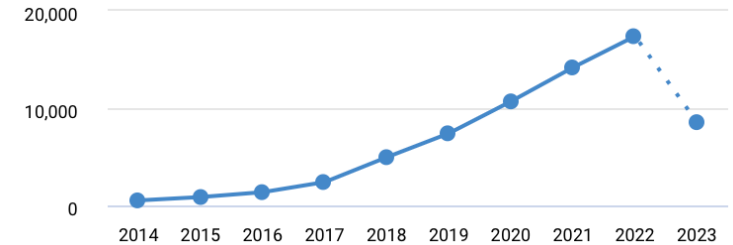
<https://doi.org/10.17180/cdky-p004>

16e. Pratiques commerciales agressives de publishers

 Sensors (2400 CHF)

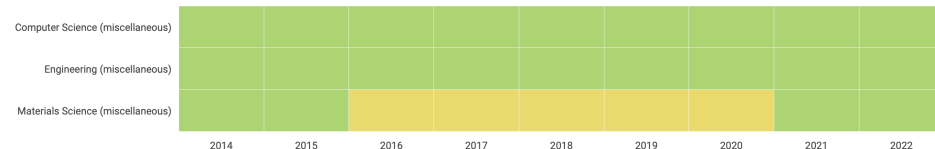
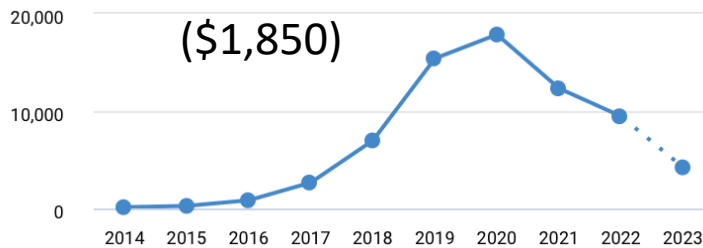


 Sustainability (2000 CHF)



 IEEE Access

Multidisciplinary | Rapid Review | Open Access Journal



Publish your important research with maximum visibility in just 4-6 weeks when you choose IEEE Access, the multidisciplinary open access journal of the IEEE.

[LEARN MORE](#)




<https://www.scimagojr.com>

17a. Fabrication suspectée dans une UMR CNRS

https://www.lemonde.fr/sciences/article/2022/12/05/une-affaire-d-inconduite-scientifique-agite-un-laboratoire-de-recherche-en-chimie_6153035_1650684.html

Le Monde

SCIENCES

Une affaire d'inconduite scientifique agite un laboratoire de recherche en chimie

Publications trafiquées ou simples erreurs ? Une directrice de recherche d'une unité mixte CNRS-Sorbonne Paris Nord attend le verdict de la procédure disciplinaire. « Le Monde » a enquêté sur cette affaire, qui met aussi à l'épreuve les instances scientifiques.

Par David Larousserie

Publié le 05 décembre 2022 à 15h33 - Lecture 6 min.

Parmi les accusations d'inconduites scientifiques, des graphiques identiques auraient servi plusieurs fois pour des expériences différentes. Par trois fois, **des traces de retouches intentionnelles sur des courbes ont aussi été repérées**, de quoi introduire un doute sur les résultats présentés. S'ajoute la réutilisation d'images de microscopie électronique dans plusieurs articles, sans citer leur publication antérieure.

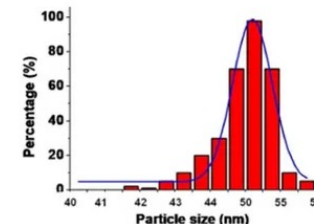
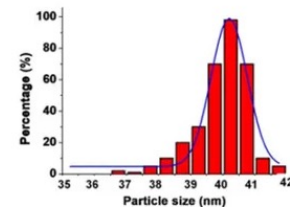
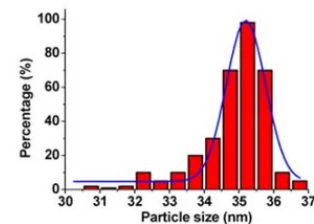
Mais, selon nos informations, l'un des experts mandatés aurait **qualifié de « faux »** plusieurs histogrammes, tandis qu'un autre se demande si les **copier-coller des courbes** de relargage sont « réels » ou « inventés ». De quoi nuire à la crédibilité du travail. Pourtant, le message de mai 2022 adressé au personnel reste évasif en parlant de « figures ne correspondant pas aux systèmes étudiés ou des reprises de figures sans mention de leurs publications précédentes ». La manipulation de données présumée n'est pas évoquée.

#1 *Xylocopa viridis* commented August 2022

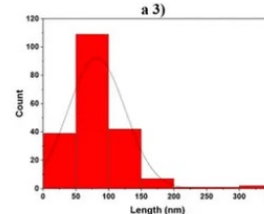
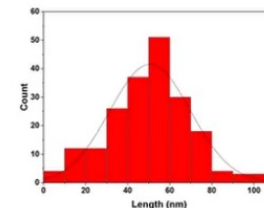
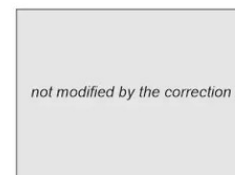
This is a correction to a 2020 article: *The original version of this article unfortunately contained a mistake: The values of the distribution histogram of the nanoparticle size is 40 nm (Figure 1a2) and 50 nm (Figure 1a3). The correct values are now 50 nm (Figure 1a2) and 75 nm (Figure 1a3).*

The figure before and after correction is shown below. In a **very** similar case, the Editor of another journal (Int J of Nanomedicine) refused to replace the histograms and **requested a retraction instead of a correction.**

Before correction



After correction



<https://pubpeer.com/publications/C9081BBA3DCD96D61FC7E1C22274FA>



PUBPEER
The online Journal club

35 results

17b. Fabrication suspectée dans une UMR CNRS

https://www.lemonde.fr/sciences/article/2023/12/19/soupcons-d-inconduite-scientifique-pour-un-couple-de-chercheurs_6206696_1650684.html

Le Monde

SCIENCES

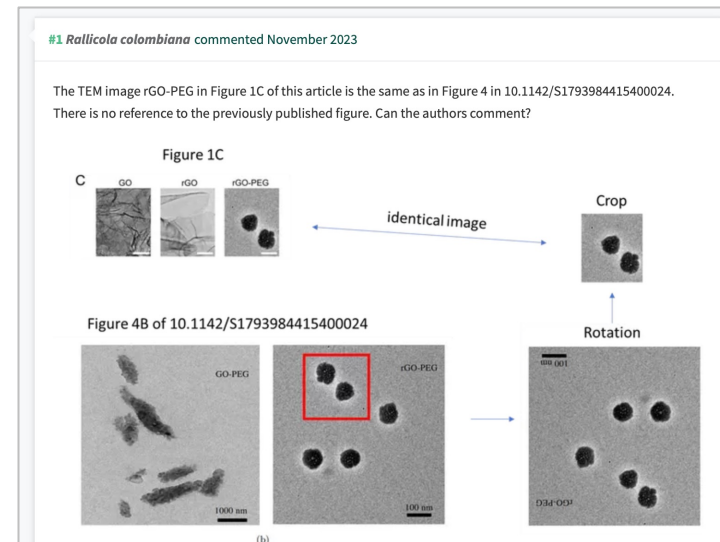
Soupçons d'inconduite scientifique pour un couple de chercheurs

Le CNRS et l'université de Lille ont commencé fin novembre une instruction concernant plus de soixante articles d'un couple de chercheurs de l'Institut d'électronique, de microélectronique et de nanotechnologie à Lille.

Par David Larousserie

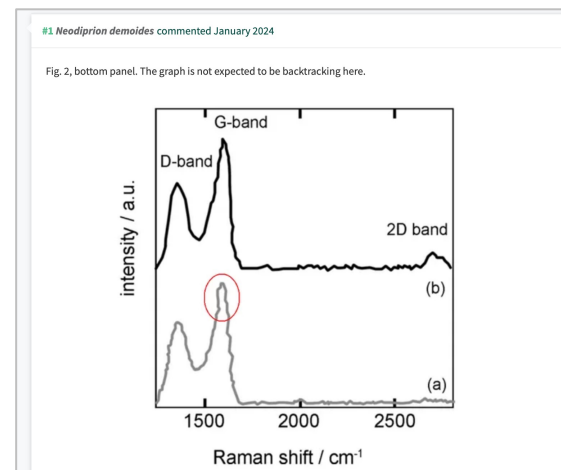
Publié le 19 décembre 2023 à 17h30 · Lecture 3 min.

l'université de Lille. C'est la plus connue du couple, médaille d'argent du CNRS en 2018, chevalier de la Légion d'honneur en juillet, détentrice d'une dizaine de brevets. Ces dix dernières années, elle a publié plus de 20 articles par an (pour un total de 488 articles depuis le début de sa carrière, avec une pointe à 42 en 2016.



Cells, 2020

<https://pubpeer.com/publications/7BD84681B312417E1CA665A83E9BB7>



Chemistry, 2013

<https://pubpeer.com/publications/32714981D1874BFD78FD40E8E97583>

Conséquences : pollution inacceptable

nature

NEWS | 27 May 2021 | Clarification [28 May 2021](#)

Hundreds of gibberish papers still lurk in the scientific literature

The nonsensical computer-generated articles, spotted years after the problem was first seen, could lead to a wave of retractions.

[Richard Van Noorden](#)

NEWS | 05 August 2021 | Correction [10 August 2021](#)

'Tortured phrases' give away fabricated research papers

Analysis reveals that strange turns of phrase may indicate foul play in science.

[Holly Else](#)

NEWS | 08 November 2021

Scammers impersonate guest editors to get sham papers published

Hundreds of junk-science papers have been retracted from reputable journals after fraudsters used 'special issues' to manipulate the publication process. And the problem is growing.

[Holly Else](#)

"It is very worrying," says Guillaume Cabanac, a computer scientist at the University of Toulouse in France, who has worked to uncover nonsense science papers in special issues. He adds that it is shocking to see such papers in journals from 'flagship' publishers and that "it is not only predatory journals that publish bullshit".

Conséquences : rétractations++

July 19, 2021 Adam Marcus



ELSEVIER

'Tortured phrases', lost in translation: Sleuths find even more problems at journal that just flagged 400 papers

August 26, 2021 Ivan Oransky

Guest editor says journal will retract dozens of inappropriate papers after his email was hacked

September 22, 2021 Adam Marcus

"[T]hese shit comments": Author of a nonsense paper responds on PubPeer


September 28, 2021 Ivan Oransky



Springer Nature slaps more than 400 papers with expressions of concern all at once

November 4, 2021 Adam Marcus

Springer Nature geosciences journal retracts 44 articles filled with gibberish

Retraction 
Watch

Abonnez-vous !

February 23, 2022 Ivan Oransky

Publisher retracts 350 papers at once



Advancing Technology
for Humanity

Conséquences : rétractations++ d'articles frauduleux cités++

Nature | Vol 624 | 21/28 December 2023



Retractions are skyrocketing as publishers work to remove sham articles from the literature.

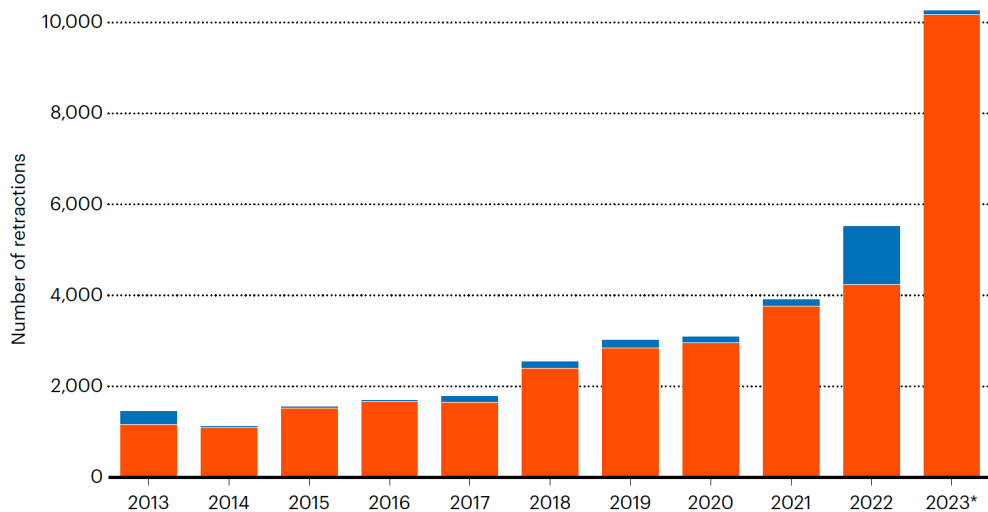
MORE THAN 10,000 RESEARCH PAPERS WERE RETRACTED IN 2023 — A NEW RECORD

The number of articles being retracted rose sharply this year. Integrity experts say that this is only the tip of the iceberg.

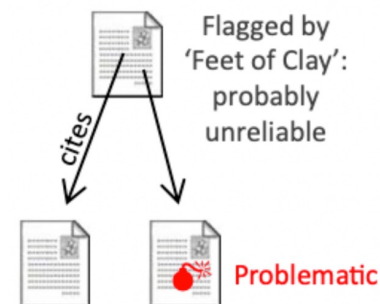
A BUMPER YEAR FOR RETRACTIONS

Retraction notices in 2023 have passed 10,000, largely because of more than 8,000 retractions by Hindawi.

Journal articles Conference papers



*As of 8 December 2023



Hindawi's retracted papers might have been mostly sham articles, but they were still collectively cited more than 35,000 times, says Guillaume Cabanac, a computer scientist at the University of Toulouse in France who tracks problems in papers, including 'tortured phrases' – strange wording choices used to evade plagiarism detectors – and signs of undisclosed use of artificial intelligence.

Dépollution en cours...

The Nature's 10 list explores **key developments in science** this year and some of the people who played important parts in these milestones. Along with their colleagues, these individuals helped to make **amazing discoveries** and brought attention to **crucial issues**. Nature's 10 is not an award or a ranking. The selection is compiled by Nature's editors to highlight key events in science through the compelling stories of those involved.

Feature *Nature's 10*

Guillaume Cabanac Deception sleuth

+dizaines de détectives sur PubPeer

This computer scientist helped to uncover a new kind of fabricated paper.

By Diana Kwon

Underground creepy crawly state. Bosom malignancy. Sun oriented force. These might sound like expressions from a work of fiction, but they are actually strange translations, pulled from the scholarly literature, of scientific terms – ant colony, breast cancer and solar energy, respectively. Guillaume Cabanac, a computer scientist at the University of Toulouse, France, spots such bizarre phrases in academic papers every day.



institut
universitaire
de France

Chaire fondamentale 2022–2027

« Dépolluer la littérature scientifique »

Feature

NATURE'S 10

Ten people who helped shape science in 2021.



Winnie Byanyima / Friederike Otto / Zhang Rongqiao /
Timnit Gebru / Tulio de Oliveira / John Jumper /
Victoria Tauli-Corpuz / Guillaume Cabanac /
Meaghan Kall / Janet Woodcock

The *Nature's 10* list explores key developments in science this year and some of the people who played important parts in these milestones. Along with their colleagues, these individuals helped to make amazing discoveries and brought attention to crucial issues. *Nature's 10* is not an award or a ranking. The selection is compiled by *Nature's* editors to highlight key events in science through the compelling stories of those involved.

ILLUSTRATION BY HELEN CALOGERAKIS BAYASH

Nature | Vol 600 | 23/30 December 2021 | 591

Les sleuths : évaluation post-publication pro bono

nature

NEWS | 27 May 2021

Scientific image sleuth faces legal action for criticizing research papers

Researchers say the complaint filed against Elisabeth Bik could have a 'chilling effect' on scholarly criticism.

NEWS | 08 September 2023

Scientific sleuths spot dishonest ChatGPT use in papers

Manuscripts that don't disclose AI assistance are slipping past peer reviewers.

NEWS Q&A | 04 August 2022

What makes an undercover science sleuth tick? Fake-paper detective speaks out

David Bimler, also known as Smut Clyde, scours the scientific literature for bogus articles.

NATURE BRIEFING | 25 January 2024

Daily briefing: Meet the data sleuth who spurred the Dana-Farber retractions

'There's a pretty simple way to prevent all of this,' he says. Plus, troubled times at Fermilab and when whales walked the Earth.

Comment



ILLUSTRATION: DAVID PARKINS

‘Stamp out paper mills’ – science sleuths on how to fight fake research

Anna Abalkina, René Aquarius, Elisabeth Bik, David Bimler, Dorothy Bishop, Jennifer Byrne, Guillaume Cabanac, Adam Day, Cyril Labbé & Nick Wise

A group of scientists who are experts at spotting problematic research outline five essential steps to combat industrialized scientific misconduct.

The production of fake research is now a thriving industry, thanks to paper mills. These networks sell paper authorships and poor-quality or fabricated scientific manuscripts to researchers, or violate the peer-review process by providing fake reviews. And they have become so prolific that current self-correction mechanisms no longer work.

problem might have started even earlier – at least 400,000 papers published between 2000 and 2022 show the hallmarks of having been produced by paper mills (see *Nature* 623, 466–467; 2023). Yet only 55,000 were retracted or corrected in the same period, according to the database of the website Retraction Watch. Fraudulent research pollutes the literature, slows down scientific pro-

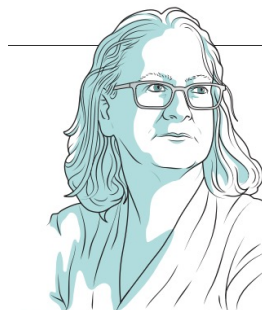
Science

FEATURES



THE RECKONING

Didier Raoult and his institute found fame during the pandemic. Then, a group of dogged critics exposed major ethical failings



Elisabeth Bik, a scientific integrity sleuth based in San Francisco, first raised concerns about the Hospital Institute of Marseille Mediterranean Infection's (IHU's) work on hydroxychloroquine (HCQ) in March 2020. She went on to identify major ethical and scientific issues in dozens of IHU papers, spurred on, she says, by abuse from Didier Raoult and his supporters.



Mathieu Molimard, a pharmacologist at the University of Bordeaux, began to counter the IHU's claims about HCQ in April 2020. Outraged when French authorities didn't respond to the IHU's publication of a seemingly unauthorized HCQ trial, Molimard rallied representatives of 14 French scientific societies to sign an open letter in *Le Monde*.



Victor Garcia, a journalist at French magazine *L'Express*, began to pay attention to Raoult when he enthused about the potential for HCQ as a COVID-19 treatment. Garcia covered the emerging IHU story beat for beat and published two investigations into ethical abuses there. Shortly after publication, the French drug safety agency began to inspect the IHU.



Ex-biologist **Fabrice Frank**, now an IT consultant, used his time in COVID-19 quarantine to begin compiling a database of all IHU papers that appeared to reuse ethical approval numbers. He and his collaborators identified 248 papers that used the same code, despite investigating different questions, using different samples, in different participant populations, and in different countries.



Lonni Besançon, a computer scientist at Linköping University, grew curious about Raoult's work after noticing a paper published in a journal where an author also served as editor-in-chief. He has co-authored several papers about ethical lapses and methodological problems in IHU research, and agitated for journals to investigate and retract problematic work.

Prévention : PubPeer et ses extensions navigateur + Zotero


<https://pubpeer.com>

PUBPEER
The online Journal club

LOGIN CREATE ACCOUNT

Home / Search

The PubPeer database contains all articles. Search results return articles with comments.

10.48550/arxiv.2206.07578  advanced search

To leave the first comment on a specific article, paste a unique identifier such as a **DOI**, **PubMed ID**, or **arXiv ID** into the search bar.

Login to save this search and receive email alerts

Search publications for: **e2v-SDE** 1 result

7 months ago | **E2V-SDE: From Asynchronous Events to Fast and Continuous Video Reconstruction via Neural Stochastic Differential Equations**
Jongwan Kim, DongJin Lee, Byunggook Na, Seongsik Park, Jeonghee Jo, Sungroh Yoon

arXiv (2022) 4 comments

Browser extensions

Most journals are not interested in showing **PubPeer** comments directly on their websites so we have created "browser extensions" to make sure you never miss a **PubPeer** comment. The extension is a few lines of code that check if there are **PubPeer** comments on articles you read and alerts you with a banner in your browser if it finds some. They exist for all major browsers and you can install them here:



Reference manager extensions

Reference managers are great tools for organizing the literature. We are currently developing extensions that indicate which references in a library contain **PubPeer** comments.



Prévention : PubPeer et extension navigateur+Zotero

There are 7 articles on this page with PubPeer comments

Wearable IoT Smart-Log Patch: An Edge Computing-Based Bayesian Deep Learning Network System for Multi Access Physical Monitoring System
A new architecture of Internet of Things and big data ecosystem for secured smart healthcare monitoring and alerting system
Neural Network Based Brain Tumor Detection Using Wireless Infrared Imaging Sensor
Developing brain abnormality recognize system using multi-objective pattern producing neural network
Prostate cancer classification from prostate biomedical data using ant rough set algorithm with radial trained extreme learning neural network
Cloud based framework for diagnosis of diabetes mellitus using K-means clustering

RETRACTED ARTICLE: Maintaining Security and Privacy in Health Care System Using Learning Based Deep-Q-Networks

MDPI Journals Topics Information Author Services Initiatives About Sign In / Sign Up Submit

Search for Articles: Title / Keyword Author / Affiliation / Email Sensors All Article Types Search Advanced

10.3390/s19133030

1 comment on PubPeer (by: Guillaume Cabanac)

Journals / Sensors / Volume 19 / Issue 13 /

sensors

Submit to this Journal
Review for this Journal
Edit a Special Issue

Article Menu

Subscribe SciFeed
Recommended Articles
Related Info Link
More by Authors Links

Article Views 6967
Citations 137

Order Article Reprints

Open Access Article

Wearable IoT Smart-Log Patch: An Edge Computing-Based Bayesian Deep Learning Network System for Multi Access Physical Monitoring System

by Gunasekaran Manogaran^{1,*}, P. Mohamed Shakeel², H. Fouad³, Yunyoung Nam^{4,*}, S. Baskar⁵, Naveen Chilamkurti⁶ and Revathi Sundarasekar⁷

- 1 University of California Davis, Davis, CA 95616, USA
- 2 Faculty of Information and Communication Technology, Universiti Teknikal Malaysia Melaka, Durian Tunggal 76100, Melaka, Malaysia
- 3 Biomedical Engineering Department, Faculty of Engineering, Helwan University, Helwan 11792, Egypt
- 4 Department of Computer Science and Engineering, Soonchunhyang University, Asan 31538, Korea
- 5 Department of Electronics and Communication Engineering, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu 641021, India
- 6 Department of Computer Science and IT, La Trobe University, Melbourne 3086, Australia
- 7 Anna University, Tamil Nadu 600025, India

* Authors to whom correspondence should be addressed.

Sensors 2019, 19(13), 3030; <https://doi.org/10.3390/s19133030>

1 comment on PubPeer (by: Guillaume Cabanac)

Received: 28 May 2019 / Revised: 26 June 2019 / Accepted: 1 July 2019 / Published: 9 July 2019



Cet article cite des références questionnées voire rétractées.

Il convient d'en prendre connaissance pour mieux apprécier la contribution.

Einstein Foundation Award for Promoting Quality in Research



EINSTEIN FOUNDATION AWARD 2024



Einstein Foundation Individual Award
Elisabeth Bik



PUBPEER
The online journal club

Einstein Foundation Institutional Award
PubPeer



Einstein Foundation Early Career Award
PixelQuality



Einstein Foundation Early Career Award
Early Career Award: 2024 Finalists



Einstein Foundation Award for Promoting Quality in Research

INTERNATIONAL RESEARCH AWARD – THE 2024 AWARDEES

Press Kit 2024

PRESS KIT
EINSTEIN FOUNDATION AWARD 2024



Contact

Prof. Dr. Ulrich Dirnagl
Secretary
Einstein Foundation Award
Director BIH Quest Center
award@einsteinfoundation.de

Dr. Ulrike Pannasch
Coordinator
Einstein Foundation Award
upt@einsteinfoundation.de



Funded by



Partners



L'opportunité d'une discussion scientifique plus ouverte ?

Créé en 2017 comme département du **Hcéres, l'Office Français de l'Intégrité Scientifique (OFIS)** assure une mission nationale de promotion et de coordination des politiques en faveur de l'intégrité scientifique. Ses actions s'organisent selon trois axes : observatoire, ressources, réflexion et prospective. L'OFIS est dirigé par Stéphanie Ruphy. Le **Conseil Français de l'Intégrité Scientifique (CoFIS)**, présidé par Olivier Le Gall, oriente et supervise ses travaux.

Fin avril dernier, les Professeurs Didier Raoult et Eric Chabrière annonçaient avoir porté plainte pour harcèlement, tentative de chantage et d'extorsion contre Elisabeth Bik, microbiologiste aujourd'hui spécialisée dans le commentaire critique d'articles scientifiques déjà publiés, et pour complicité contre Boris Barbour, neurobiologiste au CNRS et administrateur du site **PubPeer** qui accueille de tels commentaires, souvent anonymes. Les commentaires peuvent renvoyer à des **questions d'éthique** (non-respect des réglementations en vigueur concernant la protection des personnes), de **déontologie** (absence de déclaration de conflits d'intérêt) ou encore **d'intégrité scientifique** (manipulation d'images). Il n'entre pas dans les prérogatives de l'OFIS de se prononcer sur des cas individuels, puisque le traitement d'allégations particulières de manquements à l'intégrité scientifique relève au premier chef de la responsabilité des opérateurs de recherche concernés. En revanche, **cette affaire rend visible de nouveaux enjeux majeurs en matière de bonnes pratiques scientifiques.**

[...]

Sur un plan plus **institutionnel se pose la question de la pleine intégration à l'écosystème de la recherche des fonctions de vigilance et de correction post-publication assurées aujourd'hui par ces blogs et plateformes spécialisés.** Dès lors que le bénéfice de ces fonctions est établi pour la qualité et la fiabilité des productions scientifiques, **pourquoi ne pas envisager leur reconnaissance voire leur prise en charge par les institutions scientifiques ?** Cela permettrait au monde académique de s'approprier pleinement ces nouvelles modalités de discussion critique et d'en définir collectivement les bonnes pratiques comme il l'a fait pour les autres processus déjà existants d'auto-correction. Il pourrait par exemple considérer les **activités de commentaires post-publication comme relevant des activités ordinaires du chercheur,** au même titre que les activités traditionnelles d'évaluation par les pairs. Ou encore, soutenir les interventions pertinentes d'acteurs qui ne sont pas ou plus des chercheurs en exercice, reconnaissant ainsi leur légitimité et leur utilité.

Prévention : diminuer les incitatifs



Web of Science



Highly Cited Researcher

our 2023 list, recognizing 6,849 individuals from more than 1,300 institutions across 67 countries and regions.

Research

université de BORDEAUX

News

Three scientists from the Bordeaux campus among the most cited researchers in the world

Updated on: 18/11/2022

<https://www.u-bordeaux.fr/en/news/three-scientists-bordeaux-campus-among-most-cited-researchers-world>

3

Evaluation - Continuous

- Extreme levels of hyper-authorship
- Papers with anomalous levels of self-citation - normalized by field
- Papers which demonstrate unusual collaborative group co-citation activity
- Papers with anomalous levels of citations from co-authors
- Papers with signs of publishing anomalies incl. , plagiarism, tortured phrases, spurious references and more

By implementing an increasing number of qualitative criteria and markers this year, the number of preliminary candidates excluded from our final list increased from 500 in 2022 to more than 1,000 for 2023.



Nouveau en 2023

<https://clarivate.com/blog/highly-cited-researchers-2023-the-evolution-of-our-evaluation-and-selection-policy-to-support-a-robust-scholarly-landscape/>

Prévention : renforcer le *gatekeeping*

Augmenter les filtres en amont de la publication

"Problematic Paper Screener" 

10684 results

L'industrie du *publishing* emploie les **phrases torturées** comme **signal négatif**.

STM Integrity Hub

A New, Unified Approach to Safeguard Research Integrity

STM Solutions releases MVP of new paper mill detection tool

News Announcement, Research Integrity
April 13, 2023

<https://www.stm-assoc.org/papermillchecker/>

Safeguarding research integrity can only be done through collaboration with all stakeholders in the scholarly ecosystem. STM Solutions worked with several **research integrity specialists** and organizations for this release, including PubPeer, Clear Skies, **Elisabeth Bik** and Guillaume Cabanac (pro bono). The STM Integrity Hub hopes to deepen and extend its collaboration with research integrity specialists and organizations going forward.

[NEWS] OCTOBER 23, 2023

Morressier teams up with academic fraud sleuths to bring tortured-phrase detection to publishing workflows

These three researchers founded the *Problematic Paper Screener*, a platform that flags questionable articles in the scientific literature. It leverages a daily maintained public database of 'fingerprint' phrases that can be used to identify potentially problematic submissions. Morressier now uses this data to check submissions via its workflows, flagging potentially problematic content early for editors.

<https://www.morressier.com/post/morressier-teams-up-with-academic-fraud-sleuths-to-bring-tortured-phrase-detection-to-publishing-workflows>



Association for Computing Machinery



Advancing Technology for Humanity



Institute of Physics

that had already been published in a paginated volume. In parallel with the journal's own investigation, papers from these six VSIs were flagged by Guillaume Cabanac, Cyril Labbé and Alexander Magazinov [1] as part of their work in **identifying problematic papers and making the community aware of them**. This work by Dr Cabanac and colleagues has resulted in the **decision to retract** a first batch of 101 papers from the journal. The retraction process is expected to be completed in the coming weeks. The rest of the papers in question are under investigation by the EiC and publisher's ethical team. The configuration of the online



ELSEVIER

April 2023, <https://doi.org/10.1016/j.micpro.2022.104754>

CLEAR SKIES

THE PAPERMILL ALARM



River Valley

Prévention : signaler publiquement...

BishopBlog

Ramblings on academic-related matters. For information on my research see <https://www.psy.ox.ac.uk/research/oxford-study-of-children-s-communication-impairments>. Twin analysis blog: <http://dbtemp.blogspot.com/> . ERP time-frequency analysis blog: bishoptechbits.blogspot.com/ . For tweets, follow @deevybee.

Wednesday, 16 October 2024

An open letter regarding Scientific Reports

16th October 2024

to: Mr Chris Graf

Research Integrity Director, Springer Nature and Chair Elect of the World Conference on Research Integrity Foundation Governing Board.

Dear Mr Graf,

We are a group of sleuths and forensic meta-scientists who are concerned that Springer Nature is failing in its duty to protect the scientific literature from fraudulent and low quality work. We are aware that, as noted in the [2023 Annual Report](#), you are committed to maintaining research integrity. We agree with the statement: "To solve the world's biggest challenges, we all need research that's reliable, trustworthy and can be built on by scientists and innovators. As a leading global research publisher, we have a pivotal role to play." It is encouraging to hear that the Springer Nature research integrity group doubled in size in 2023. Nevertheless, we have a growing sense that all is not well concerning the mega journal *Scientific Reports*.

Some of the work that has been published is [so seriously flawed](#) that it is not credible that it underwent any meaningful form of peer review. In other cases, when we have reported flawed papers to the editor or integrity team, the response has been inadequate. A striking example cropped up last week when a "corrected" version of [an article](#) was published in *Scientific Reports*. This article had been flagged up by Guillaume Cabanac as containing numerous "tortured phrases" that are indicative of fraudulent authors attempting to bypass plagiarism checks; the authors were allowed to "correct" the article by merely removing some (not all) of the tortured phrases. This led some of us to look more closely at the article. As is evident from [comments on PubPeer](#), it turned out to be a kind of case study of all the red flags for fraud that we look for. As well as (still uncorrected) tortured phrases, it contained irrelevant content, irrelevant citations, meaningless gibberish, a nonsensical figure, and material recycled from other publications.

We hope these suggestions will be helpful in ensuring that research published in *Scientific Reports* is reliable and trustworthy.

Yours sincerely

- Dorothy Bishop
- Guillaume Cabanac
- François-Xavier Coudert
- René Aquarius
- Nick Wise
- Lonni Besançon
- Simon A.J. Kimber
- Anna Abalkina
- Rickard Carlsson
- Samuel J Westwood
- Patricia Murray
- Nicholas J. L. Brown
- Smut Clyde
- Leonid Schneider
- Ian Hussey
- Tu Duong
- Gustav Nilsson
- Jamie Cummins
- Alexander Magazinov
- Elisabeth Bick
- Mu Yang
- Corrado Viotti
- Sholto David

NEWS

Open letter from fraud sleuths raises concerns over research integrity at *Scientific Reports*

BY RUPALI DABAS | 24 OCTOBER 2024

Retraction Watch

November 11, 2024 Ellie Kincaid

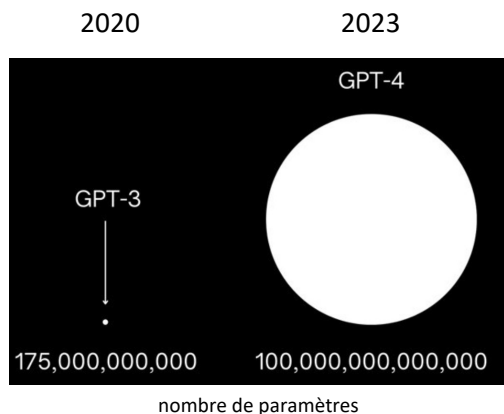
'All the red flags': Scientific Reports retracts paper sleuths called out in open letter

Scientific Reports, a Springer Nature title, has retracted an article a group of sleuths described as "a kind of case study of all the red flags for fraud that we look for" in an open letter to the publisher's head of research integrity.

scientific reports

OPEN Hybrid CNN-LSTM model with efficient hyperparameter tuning for prediction of Parkinson's disease

Déferlante depuis 2023 : méconduites avec ChatGPT...



8 FÉVRIER 2023 / N°1594 CHARLIE HEBDO 15

arXiv > cs > arXiv:2406.11583

<https://doi.org/10.48550/arXiv.2406.11583>

Computer Science > Digital Libraries

[Submitted on 17 Jun 2024 (v1), last revised 26 Jun 2024 (this version, v3)]

Where there's a will there's a way: ChatGPT is used more for science in countries where it is prohibited

Honglin Bao, Mengyi Sun, Misha Teplitskiy

Regulating AI is a key societal challenge, but which regulation methods are effective is unclear. This study measures the effectiveness of restricting AI services geographically, focusing on ChatGPT. OpenAI restricts ChatGPT access in several countries, including China and Russia. If restrictions are effective, ChatGPT use should be minimal in these countries. We measured use with a classifier based on distinctive word usage found in early versions of ChatGPT, e.g. "delve." We trained the classifier on pre- and post-ChatGPT "polished" abstracts and found it outperformed GPTZero and ZeroGPT on validation sets, including papers with self-reported AI use. Applying the classifier to preprints from Arxiv, BioRxiv, and MedRxiv showed ChatGPT was used in about 12.6% of preprints by August 2023, with 7.7% higher usage in restricted countries. The gap appeared before China's first major legal LLM became widely available. To test the possibility that, due to high demand, use in restricted countries would have been even higher without restrictions, we compared Asian countries with high expected demand (where English is not an official language) and found that use was higher in those with restrictions. ChatGPT use was correlated with higher views and downloads, but not citations or journal placement. Overall, restricting ChatGPT geographically has proven ineffective in science and possibly other domains, likely due to widespread workarounds.

Pour aller plus loin : *(Més)usages des LLM pour la production d'articles scientifiques*, Fraiser-Vannier & Cabanac (2024)

Il faut dépolluer la littérature scientifique



Acteurs : *faussaires* agissant comme des pseudo-auteurs
gatekeepers fragilisant la peer review
maisons d'éditions ne monitorant pas
pouvoirs publics promouvant le *publish or perish*

Mobile : promotion, reconnaissance, capital symbolique

Modus operandi : plagiat, infiltration de revues, achats de citations

Conséquences : pollution de la littérature
érosion de la confiance que la société concède

Détectives : scientifiques professionnels et amateurs
bénévoles et volontaires

Objectif : curatif → dépolluer la littérature
préventif → anticiper les nouvelles fraudes

Moyens : Ré-évaluation décentralisée soutenue par le
Problematic Paper Screener



<https://fr.wikipedia.org/wiki/Dépollution>

Des bénévoles nettoient les côtes après la catastrophe du Prestige (2002).

Des aiguilles rouillées dans une botte de 150+ million publications

Problematic Paper Screener

- Home
- Media Coverage

- Fingerprints
- All Problematic Papers

Detectors:

- 0 Annulled
- 1 Tortured
- 2 SCIdgen
- 3 Mathgen
- 4 SBIR
- 5 Suspect
- 6 Seek&Blastn
- 7 Problematic Cell Lines
- 8 Citejacked
- 9 Feet of Clay



Problematic Paper Screener

Est. February 27th, 2021

Stable URL: <https://www.irit.fr/~Guillaume.Cabanac/problematic-paper-screener>

This website shows reports the daily screening of papers (partly) generated with:

- ▶ Tortured phrases 🔥
- ▶ SCIdgen
- ▶ Mathgen

... and other issues such as [Citejacked papers](#).

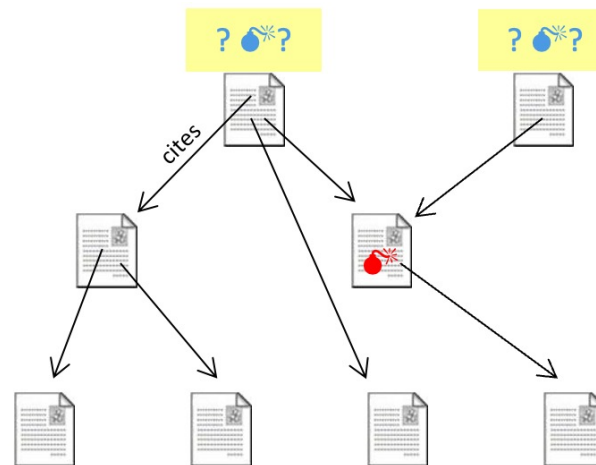
Harvesting data from these APIs:

- ▶ Crossref, now including the [Retraction Watch Database](#)
- ▶ Dimensions, see our [webinar](#) and the associated [blog post](#)
- ▶ PubMed
- ▶ PubPeer



"Problematic Paper Screener" 🔍

10684 results



66k

19k

5k

787k

Méconduites et correction de la science

Conferences

- Barbour, B. (2021). *PubPeer: past, present and future*.
- Bik, E.M. (2021). *The Dark Side of Science: Misconduct in Biomedical Research*.
- Bouter, L. (2022). *Why research integrity matters*.
- Byrne, J.A. (2023). *Paper mills*.
- Cabanac, G. (2022). *Pollution de la littérature scientifique : détection participative d'expressions torturées révélatrices d'articles frauduleux*.
- Wise, N.H. (2022). *An Introduction to Publication Fraud*.

Articles

- Abalkina A., Aquarius R., Bik E., Bimler D., Bishop D., Byrne J., Cabanac G., Day A., Labbé C., & Wise N. (2025). 'Stamp out paper mills' — science sleuths on how to fight fake research [Comment]. In *Nature*, 637(8048), 1047–1050.
- Barbour B., & Stell B. M. (2020). *PubPeer: Scientific assessment without metrics*. In M. Biagioli & A. Lippman (Eds.), *Gaming the metrics: Misconduct and manipulation in academic research* (pp. 149–155). Cambridge, MA, USA: MIT Press.
- Cabanac, G. (2024). Chain retraction: How to stop bad science propagating through the literature [Comment]. *Nature* 632(8027):977–979.
- Cabanac, G. (2022). Decontamination of the scientific literature. *arXiv:2210.15912*
- Cabanac, G. (2021). This digital-hygiene routine will protect your scholarship [World View]. *Nature*, 598(7882), 541. [adaptation [en français](#) pour l'HCERES-Ofis]