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

Guillaume Cabanac

► **To cite this version:**

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**<https://ut3-toulouseinp.hal.science/hal-04225515v1>**

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# Fake science :

## Panorama des méconduites et contre-feux pour déjouer les pièges

**Guillaume Cabanac**

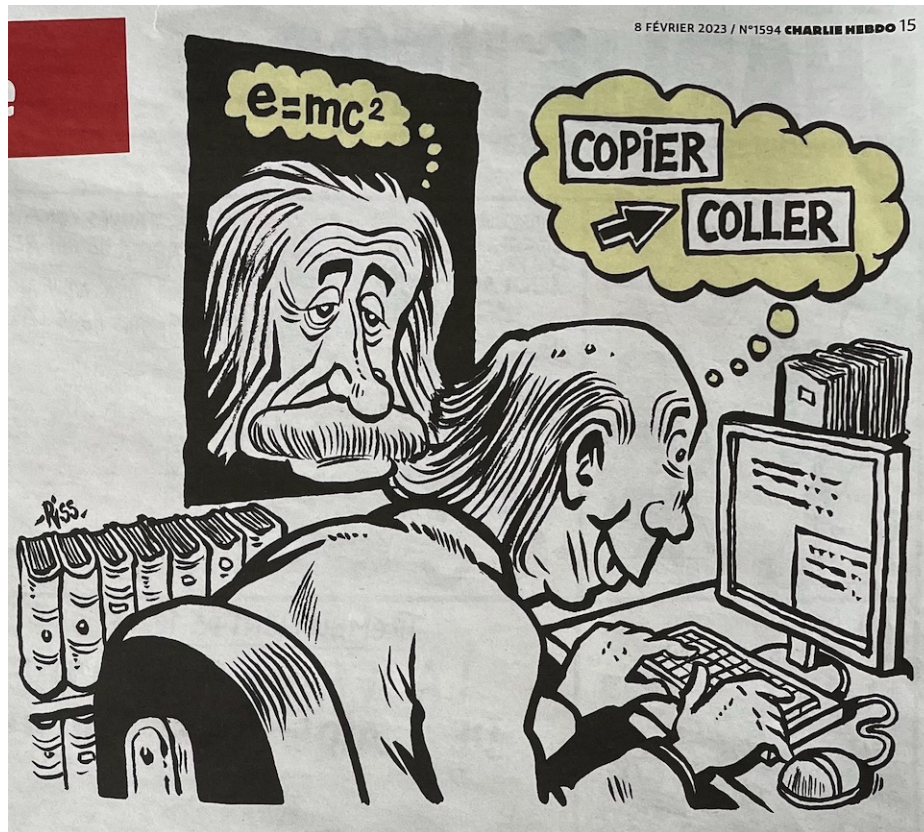


The NanoBubbles project has received Synergy grant funding from the European Research Council (ERC), within the European Union's Horizon 2020 programme, grant agreement no. 951393.

# 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 authorship 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...

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 plagiatés 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 by the Vijnan Institute, provided by the CVPR Visual Protection...

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

Jingpan Kan<sup>1</sup>, Donglai Luo<sup>2</sup>, Bingyang Ni<sup>3</sup>, Jinghui Han<sup>4</sup>, Jiaqi Wang<sup>5</sup>, Xiangyuan Sun<sup>6</sup>

<sup>1</sup>Industrial Engineering Program at AI, Southeast National University  
<sup>2</sup>Department of AI, Southeast National University  
<sup>3</sup>AIIS, Southeast National University  
<sup>4</sup>Korea Institute of Science and Technology

**Abstract**

Event cameras are highly sensitive to brightness change in the scene and asynchronous and independent per-pixel data. In this paper, we propose a novel framework for event reconstruction. Our framework consists of an event-to-frame reconstruction module and a video reconstruction module. The event-to-frame reconstruction module is based on a neural stochastic differential equation (SDE) to model the event generation process. The video reconstruction module is based on a neural stochastic differential equation (SDE) to model the video reconstruction process. Our framework achieves state-of-the-art performance on event reconstruction and video reconstruction tasks.

**1. Introduction**

Event cameras are highly sensitive to brightness change in the scene and asynchronous and independent per-pixel data. In this paper, we propose a novel framework for event reconstruction. Our framework consists of an event-to-frame reconstruction module and a video reconstruction module. The event-to-frame reconstruction module is based on a neural stochastic differential equation (SDE) to model the event generation process. The video reconstruction module is based on a neural stochastic differential equation (SDE) to model the video reconstruction process. Our framework achieves state-of-the-art performance on event reconstruction and video reconstruction tasks.

### 3.1. Stochastic Differential Equations

SDEs are defined as stochastic equations of ordinary differential equations in the form of  $dx_t = \mu(x_t, t)dt + \sigma(x_t, t)dW_t$ , where  $\mu(x_t, t) \in \mathbb{R}^n$  is the drift coefficient and  $\sigma(x_t, t) \in \mathbb{R}^{n \times m}$  is the diffusion coefficient.  $W_t$  is a standard Brownian motion. The SDE is a hyperparameter describing the stochastic process. The SDE is a hyperparameter describing the stochastic process. The SDE is a hyperparameter describing the stochastic process.

**4.1. Problem**

We consider the problem of event reconstruction. We consider the problem of event reconstruction. We consider the problem of event reconstruction.

**4.2. Method**

We propose a novel framework for event reconstruction. We propose a novel framework for event reconstruction. We propose a novel framework for event reconstruction.

**4.3. Evaluation**

We evaluate our framework on event reconstruction. We evaluate our framework on event reconstruction. We evaluate our framework on event reconstruction.

of reconstruction, which can be informative about latent variables [1].

**2.1. Stochastic Differential Equations**

SDEs are defined as stochastic equations of ordinary differential equations in the form of  $dx_t = \mu(x_t, t)dt + \sigma(x_t, t)dW_t$ , where  $\mu(x_t, t) \in \mathbb{R}^n$  is the drift coefficient and  $\sigma(x_t, t) \in \mathbb{R}^{n \times m}$  is the diffusion coefficient.  $W_t$  is a standard Brownian motion. The SDE is a hyperparameter describing the stochastic process. The SDE is a hyperparameter describing the stochastic process. The SDE is a hyperparameter describing the stochastic process.

**2.2. Related Works**

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| Title  | Acronym | Source   | Rank |
|--|---------|----------|------|
| IEEE Conference on Computer Vision and Pattern Recognition | CVPR    | CORE2021 | A*   |

### 5. Experiments and Results

#### 5.1. Experimental Setup

Training Data: We used the standard dataset for high-speed video reconstruction, which contains 1000 frames of 1080p video. The training data is split into training and validation sets. The training data is used to train the model, and the validation data is used to evaluate the model.

Model: We used a neural stochastic differential equation (SDE) to model the event generation process. The SDE is a hyperparameter describing the stochastic process. The SDE is a hyperparameter describing the stochastic process. The SDE is a hyperparameter describing the stochastic process.

| Method      | PSNR  | SSIM  | LPIPS |
|-------------|-------|-------|-------|
| 12V-CNN [1] | 0.196 | 0.175 | 0.362 |
| 12V-CNN [2] | 0.077 | 0.061 | 0.171 |
| 12V-CNN [3] | 0.061 | 0.132 | 0.408 |
| 12V-CNN [4] | 0.097 | 0.101 | 0.231 |
| 12V-CNN [5] | 0.034 | 0.001 | 0.044 |

**5.2. Results**

Our proposed method achieves state-of-the-art performance on event reconstruction and video reconstruction tasks. Our proposed method achieves state-of-the-art performance on event reconstruction and video reconstruction tasks. Our proposed method achieves state-of-the-art performance on event reconstruction and video reconstruction tasks.

Table 1: Average reconstruction time per frame and the number of parameters of the models.

| Method      | Params | Recon. Time (ms/frame) |
|-------------|--------|------------------------|
| 12V-CNN [1] | 1803   | 372                    |
| 12V-CNN [2] | 1104   | 214                    |
| 12V-CNN [3] | 1643   | 2036                   |
| 12V-CNN [4] | 482    | 432                    |
| 12V-CNN [5] | 482    | 432                    |

**5.3. Interpretation and Extrapolation**

We interpret the results of our framework. We interpret the results of our framework. We interpret the results of our framework.

**5.4. Ablation Study**

We study the effect of the components of our framework. We study the effect of the components of our framework. We study the effect of the components of our framework.

Table 2: Qualitative comparison of frame-to-frame video reconstruction on event camera and synthetic. The results are visualized in the form of pairs of images. The top row shows the ground truth and the bottom row shows the reconstructed results. The results are visualized in the form of pairs of images. The top row shows the ground truth and the bottom row shows the reconstructed results.

**5.5. Ablation Study**

We study the effect of the components of our framework. We study the effect of the components of our framework. We study the effect of the components of our framework.

Table 3: Qualitative comparison of frame-to-frame video reconstruction on event camera and synthetic. The results are visualized in the form of pairs of images. The top row shows the ground truth and the bottom row shows the reconstructed results. The results are visualized in the form of pairs of images. The top row shows the ground truth and the bottom row shows the reconstructed results.

**5.6. Ablation Study**

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# 3b. Plagiat d'articles

## Visualiser les « emprunts » : SimTexter et Text Compare

The screenshot displays the SimTexter web application interface. At the top left, the logo reads 'similarity texter A TEXT-COMPARISON TOOL'. The interface is divided into two main columns: 'mon article' on the left and 'plagiat suspecté' on the right. Both columns have a 'TEXT: Plain text input' field. The 'mon article' column contains the text of a scientific paper titled 'Salivary Diagnostics for Managing Cellular Oxidative Stress' by W. Jean Dodds. The 'plagiat suspecté' column contains a shorter version of the same text, with several phrases highlighted in yellow to indicate matches with the original article. The matches include: 'In people and animals, cells are in homeostatic equilibrium when they are in oxidative balance...', 'Extensive investigations of OS and chronic tissue inflammatory responses have established the major underlying risk factors...', 'Chronic inflammation from the increased free radical formation of OS...', 'Tissues thus become deficient in antioxidant mediators...', 'Management of OS has focused on the development of functional foods...', 'Some Primary Oxidative Stress Biomarkers', 'Isoprostanes are a series of prostaglandin-like compounds...', 'MicroRNAs are small non-coding RNA molecules...', 'Glutathione-S-Transferases (GST) previously called ligandins...', 'Malondialdehyde is potentially mutagenic...', 'Tumor Necrosis Factor-Alpha (TNF-α) also called cachectin or cachectin...', 'Other Biomarker Enzymes include: Sorbitol Dehydrogenase...', 'Measuring Biomarker Enzymes of Oxidative Stress', and 'Traditionally, cellular biomarkers are measured in the serum and urine from humans and animals...'. The interface also includes a search bar, a settings icon, and a list of icons at the bottom right.



# 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](mailto:fois2023@gmail.com) Definition and scope The FOIS [...]

[Read more »](#)

Conférence prédatrice détectée

World Academy of Science, Engineering and Technology

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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<sup>[1]</sup> and is listed as such by the Max Planck Society<sup>[2]</sup> and Stop Predatory Journals.<sup>[3]</sup> WASET's estimated annual revenue in 2017 alone was over \$4 million,<sup>[4]</sup> with other estimates ranging from \$8.9 million to \$11.9 million for the years 2014 to 2019 combined.<sup>[6]</sup>

**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  | <a href="http://www.waset.org">www.waset.org</a> |

**Conferences** [ edit ]

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

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



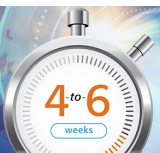
# 5a. Plagiat déguisé par paraphrases – *tortured phrases*

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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 sullivanis 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>

# 5b. 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

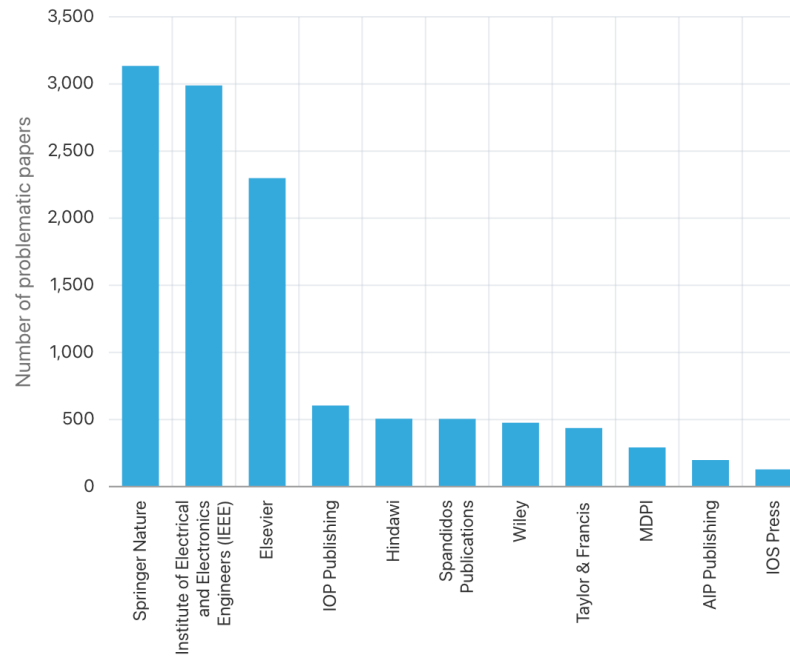
131,255



1 - 20 of 13709 >

1 - 20 of 5053 >

| Tortured Phrases   | Assessor | PubPeer Users                          |
|--|----------|--|
| 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 | Cabanac  | Guillaume Cabanac, Dorothy V.M. Bishop |



| Tortured Phrases   | Assessor                       |
|--|--------------------------------|
| 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* | Invitation for human assessors |
| 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                        | Invitation for human assessors |

# 5c. Revues parasitées par les articles problématiques

Concentration de phrases torturées

| Venue  | Publisher  | Number of articles ↓ | Share of total (%) |
|--|--|----------------------|--------------------|
| <i>Microprocessors and Microsystems</i>                        | Elsevier   | 307                  | 3.35               |
| <i>Materials Today Proceedings</i>                             | Elsevier   | 225                  | 2.45               |
| <i>Journal of Physics Conference Series</i>                    | IOP Publishing   | 161                  | 1.76               |
| <i>AIP Conference Proceedings</i>                              | AIP Publishing   | 157                  | 1.71               |
| <i>SSRN Electronic Journal</i>                                 | Elsevier   | 152                  | 1.66               |
| <i>IOP Conference Series Materials Science and Engineering</i> | IOP Publishing   | 117                  | 1.28               |
| <i>Wireless Personal Communications</i>                        | Springer Nature  | 100                  | 1.09               |
| <i>Benha Journal of Applied Sciences</i>                       | Egypt's Presidential Specialized Council for Education and Scientific Research | 80                   | 0.87               |
| <i>Multimedia Tools and Applications</i>                       | Springer Nature  | 73                   | 0.80               |
| <i>Journal of Computational and Theoretical Nanoscience</i>    | American Scientific Publishers   | 71                   | 0.77               |
| <i>IEEE Access</i>   | Institute of Electrical and Electronics Engineers (IEEE)                       | 59                   | 0.64               |
| <i>Journal of Ambient Intelligence and Humanized Computing</i> | Springer Nature  | 58                   | 0.63               |
| <i>Wireless Communications and Mobile Computing</i>            | Hindawi  | 44                   | 0.48               |

Preprints

Number of 'Tortured' Problematic Papers

3,000  
2,500  
2,000  
1,500  
1,000  
500  
0

2006 2007 2008 2009 2010 2011 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

Year

360

# 5d. Revues parasitées par les articles problématiques

## 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

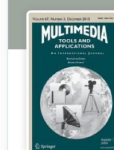
*The Publisher and Editor-in-Chief of the Journal of Intelligent & Fuzzy Systems retract a total of 49 articles from the journal's online catalogue. The articles were published in different issues of the journal in the period July 2019 –April 2021. After publication it was found that these articles cite 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>

 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

# 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. At the top left is the logo of Hoger Instituut voor Vertalers en Tolken (HIVT), featuring a building illustration. The header includes the text 'Hoger Instituut voor Vertalers en Tolken' and 'Linguistica Antverpiensia Wetenschappelijke bibliografie'. The main content area is titled 'Linguistica Antverpiensia' and 'Editorial statement'. It describes the journal as an annual publication devoted to the study of language, translation, and culture. A sidebar on the right, labeled 'Publicaties', lists various sections like 'Editorial statement', 'Call for papers', and 'Download articles'. At the bottom left, there is a 'links' section with a 'Download the LA Stylesheet' link.

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. The layout is similar to the original but contains several red flags. The header features a navigation menu with items like 'Accueil', 'Actuel', 'Les archives', 'Comité éditorial', 'Scope', 'À propos de nous', and 'Nous contacter'. Below this is a 'Soumettez votre manuscrit ici' button with the text 'Faire une soumission'. The main content area is titled 'Linguistica Antverpiensia' and includes a paragraph: 'Linguistica Antverpiensia, Nouveaux thèmes de séries dans les études de traduction est une publication annuelle en libre accès, révisée par des pairs, consacrée à l'étude de la traduction et de l'interprétation qui est répertoriée dans le Web of Science. La revue n'est liée à aucune école de pensée ou groupe académique en particulier.' Below this, there is an 'Articles' section with three entries, each with a 'PDF (English)' button. The first article is 'Segmentation and Classification Network Model for Skin Disease Classification Using Deep Learner' by Kalaivani, Dr. S. Karpagavalli (1-12). The second is '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). The third is 'Problems And Aspects Of National Mentality In Indian And Kazakh Literature' by Shoinzhanova Madina T., Doctor Of Philology, Ualtayeva Altyn S., Kalkabaeva Salima A., Ernur Belgoja (26-39).

## 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

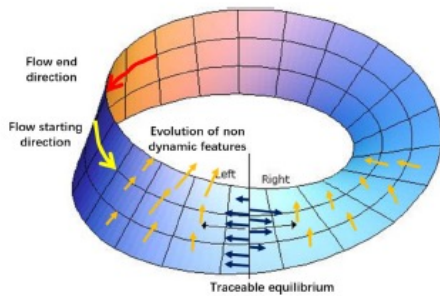


Fig. 3 Multidimensional vector processing of discrete Noetherian ring

$\|r^2(\lambda)\| \geq R$ . 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

$$\begin{aligned} \tilde{\chi} &= (p_n^2, \|r^2(\lambda)\|) = \int \frac{\max(\lambda_1 p_1^2, \lambda_2 p_2^2, \dots, \lambda_n p_n^2)}{\|r^2(\lambda)\|} d\lambda \\ &= \max(p_0^2 \cap \|r^2(\lambda_0)\|) \{ \lambda_1 p_1^2 \cap r^2(\lambda_1), \lambda_2 p_2^2 \cap r^2(\lambda_2), \dots, \lambda_n p_n^2 \cap r^2(\lambda_n) \} \end{aligned} \quad (1)$$

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

$$\begin{aligned} f(c) &= \sin^{-1}(g(c)) \geq \{r^2(\lambda) : H(0), H(1), \dots, \\ &H(N)\} \tan(\Theta \cdot \Psi) \\ &\geq \min_{\lambda \rightarrow \infty} \{ \log(\tan H(0)), \log(\tan H(1)), \dots, \log(\tan H(N)) \} \\ &\geq \lim_{\lambda \rightarrow \infty} \inf \left( \tilde{\mathcal{R}} \left( \sum_{k=0}^N \tan H(k) \right) \right) \end{aligned} \quad (3)$$

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

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

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



Toujours en ligne au 15/06/2023 !

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,

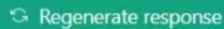
$$\begin{aligned} c_n f(c) &\leq \left\{ c : \lim_{\psi \rightarrow i} \sup \int_{-\infty}^e H(k) \cap \max H(f(c_n)) \right\} \\ &\leq \left\{ E : \hat{L} \left( \frac{1}{\chi}, -p \right) < \int \int_{\psi''}^{\infty} \sinh(H(f(c_n))) \right\} \end{aligned} \quad (8)$$

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-

# 8. Génération de texte avec ChatGPT

#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>

# 9. 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) :

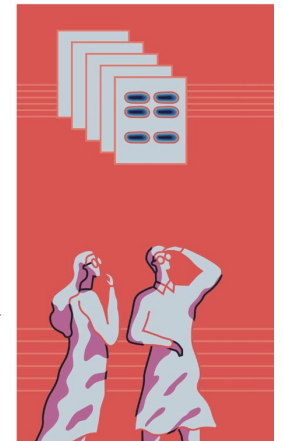
<https://pubpeer.com/publications/940C291607CF03969C6A936F8BA5B9#2>

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



# 10. Vente de position d'auteurs et de citations

<https://pubpeer.com/publications/D90634517147FC3259F8157ABC8054>

**PUBPEER**  
The online Journal club

Home / Publications

**Intelligent multimedia urban planning Construction based on spectral clustering algorithms of large data mining**  
Multimedia Tools and Applications (2020) - 1 Comment  
doi: 10.1007/s11042-019-7572-x issn: 1380-7501 issn: 1573-7721

Xing Lanqin

#1 Hoya camphorifolia commented December 2021

Can the author assure readers that all the citations of papers by N. Arunkumar and his collaborators (several of them problematical, with their own Pubpeer threads) are really the most relevant references available? They seem to have wandered in from a different paper, with a more medical theme.

"Through the scientific analysis in environmental capacity of a smart city in the smart city planning, a limitation can be put on the population size and land use scale, water supply, energy transportation, etc. so as to achieve the reasonable scale of the smart city [1, 19, 20, 22]."

- [1]. Abdulhay E, Alafeef M, Alzghoul L, Momani MA, Rabah Al Abdi, **AKN**, Munoz R, de Albuquerque VHC (2018) Computer-aided autism diagnosis via second-order difference plot area applied to EEG empirical mode decomposition. *Neural Comput & Applic.* <https://doi.org/10.1007/s00521-018-3738-0>
- [19]. Peixoto SA, Filho PPR, **Arun Kumar N**, de Albuquerque VHC (2018) Automatic classification of pulmonary diseases using a structural co-occurrence matrix. *Neural Comput & Applic:*1-11. <https://doi.org/10.1007/s00521-018-3736-2>
- [20]. Pereira RF, da Silva Filho VER, Moura LB, **Kumar NA**, de Alexandria AR, de Albuquerque VHC (2018) Automatic quantification of spheroidal graphite nodules using computer vision techniques. *J Supercomput.* <https://doi.org/10.1007/s11227-018-2579-z>
- [22]. U. Rajendra Achary, Yuki Hagiwara, **Arunkumar**, Edward J. Ciaccio, Ch. S. Murthy. *Comput Syst*, Vol. 91, 2019, pg. 290

#2 Guillaume Cabanac commented August 2022

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

| Questioned Reference Cited  | Details   |
|---|---|
| <a href="https://doi.org/10.1007/s00521-018-3801-x">10.1007/s00521-018-3801-x</a>       | [2018] <i>Neural Computing and Applications</i> : Hybrid optimization with cryptography encryption for medical image security in Internet of Things. Mohamed Elhoseny • K. Shankar • S. K. Lakshmanprabu • Andino Maselena • N. Arunkumar   |
| <a href="https://doi.org/10.1007/s11227-018-2587-z">10.1007/s11227-018-2587-z</a>       | [2018] <i>The Journal of Supercomputing</i> : Decision support system for nasopharyngeal carcinoma discrimination from endoscopic images using artificial neural network. Mazin Abed Mohammed • Mohd Khanapi Abd Ghani • N. Arunkumar • Raed Ibraheem Hamed • Salama A. Mostafa • Mohamad Khir Abdullah • M. A. Burhanuddin |
| <a href="https://doi.org/10.1007/s00500-018-3618-7">10.1007/s00500-018-3618-7</a>       | [2018] <i>Soft Computing</i> : K-Means clustering and neural network for object detecting and identifying abnormality of brain tumor. N. Arunkumar • Mazin Abed Mohammed • Mohd Khanapi Abd Ghani • Dheyaa Ahmed Ibrahim • Enas Abdulhay • Gustavo Ramirez-Gonzalez • Victor Hugo C. de Albuquerque                         |
| <a href="https://doi.org/10.1016/j.future.2018.10.009">10.1016/j.future.2018.10.009</a> | [2019] <i>Future Generation Computer Systems</i> : Optimal deep learning model for classification of lung cancer on CT images. S.K. Lakshmanprabu • Sachin Nandan Mohanty • K. Shankar • N. Arunkumar • Gustavo Ramirez   |

According to Dimensions, this article has been cited once.

Flagged by the *Problematic Paper Screener*, *Feet of Clay Detector*.

## Introducing two sites that claim to sell authorships on scientific papers

Articles ready for acceptance

| 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    | Ndestructive 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 Ti6   |

Form fields: Name, Phone, String, Submit

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

colosse aux pieds d'argile 🍷

# 11a. Pratiques commerciales agressives de publishers

## Is MDPI a predatory publisher?

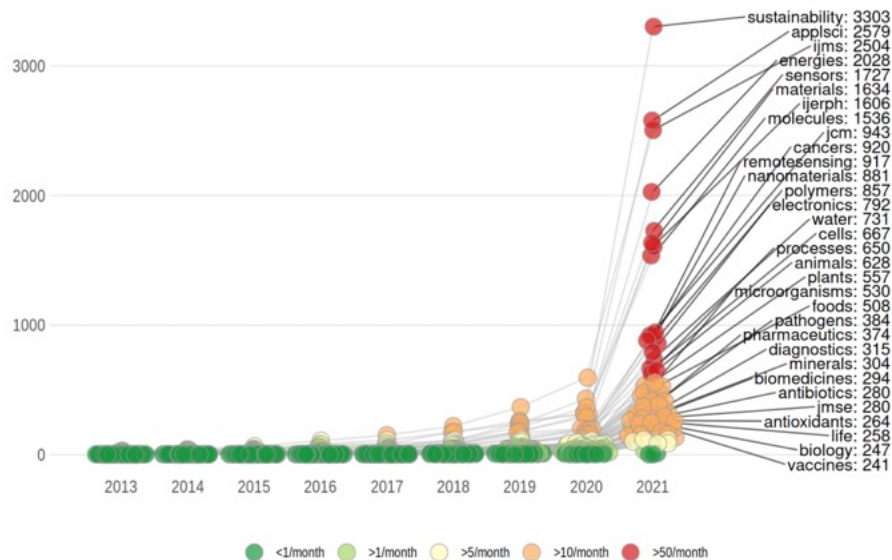
Paolo Crosetto | Uncategorized | April 12, 2021 | 20 Minutes

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

modèle économique : cooptation

### Number of Special Issues at MDPI

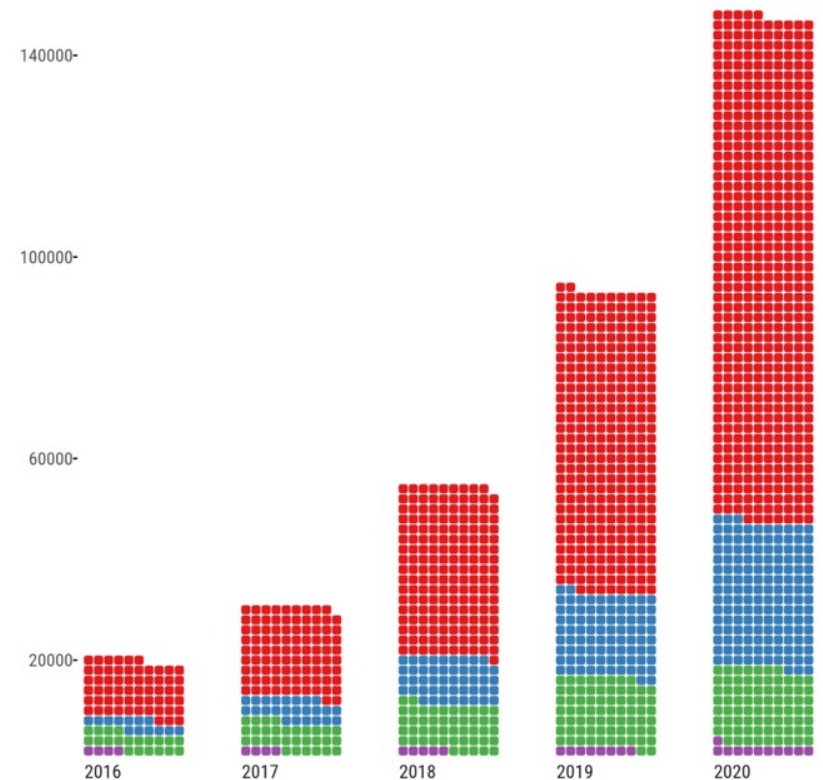
75 journals with an Impact Factor



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

# 11b. 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.

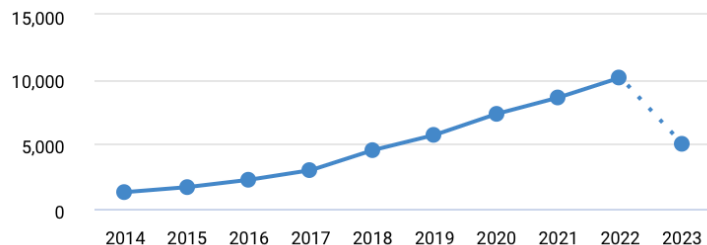
La crédibilité discutable<sup>[3]</sup> accordée à MDPI provient essentiellement des 18 revues de son catalogue dont le facteur d'impact est supérieur à 4. L'éditeur reste connu pour utiliser des méthodes douteuses :

- 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.

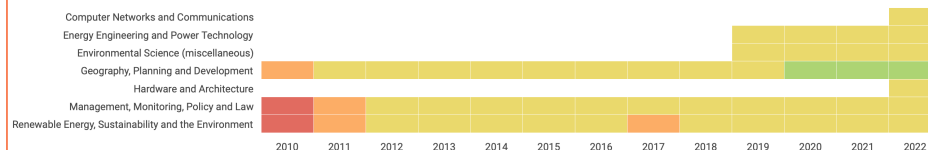
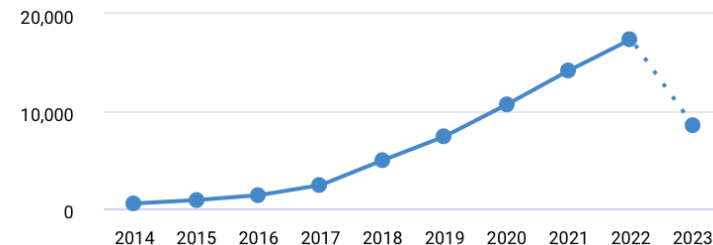
<https://doi.org/10.17180/cdky-p004>

# 11c. Pratiques commerciales agressives de publishers

 Sensors (2400 CHF)

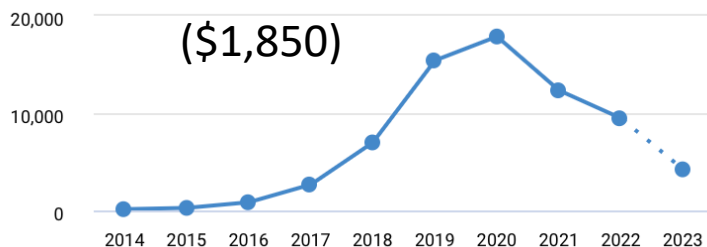


 Sustainability (2000 CHF)



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<https://www.scimagojr.com>

# 12. 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](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.



PUBPEER  
The online Journal club

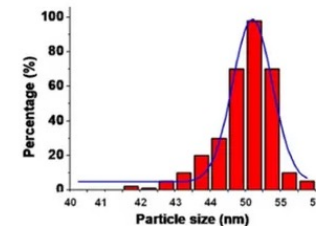
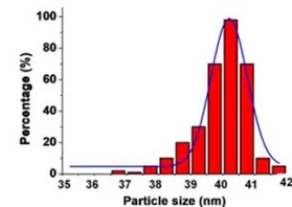
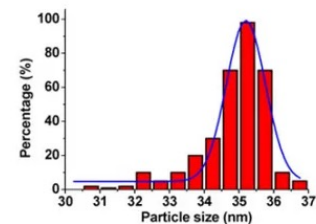
33 results

#1 *Xylocopa viridis* commented August 2022

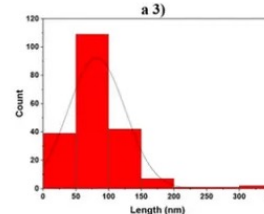
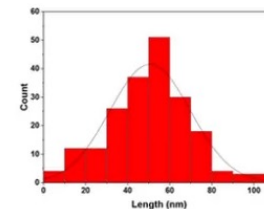
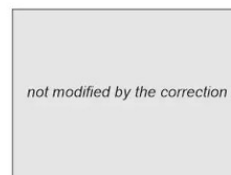
This is a correction to a 2020 article: \*The original version of this article unfortunately contained a mistake: The values of the distribution histogram of the nanoparticle size is 40 nm (Figure 1a2) and 50 nm (Figure 1a3). The correct values are now 50 nm (Figure 1a2) and 75 nm (Figure 1a3).\*

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>

# 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**



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# Prévention : PubPeer et ses extensions navigateur + Zotero


<https://pubpeer.com>

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The online Journal club

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

10.48550/arxiv.2206.07578 

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**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

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10.3390/s19133030

1 comment on PubPeer (by: Guillaume Cabanac)

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

by Gunasekaran Manogaran<sup>1,\*</sup>, P. Mohamed Shakeel<sup>2</sup>, H. Fouad<sup>3</sup>, Yunyoung Nam<sup>4,\*</sup>, S. Baskar<sup>5</sup>, Naveen Chilamkurti<sup>6</sup> and Revathi Sundarasekar<sup>7</sup>

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\* 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)

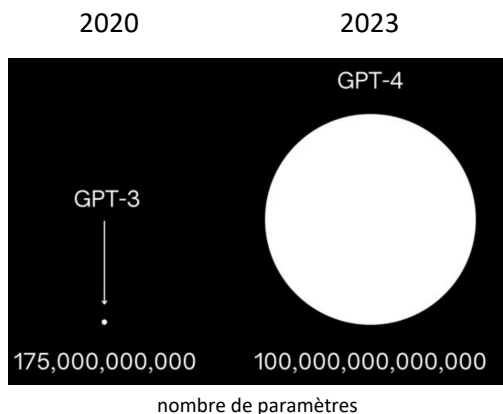
Received: 28 May 2019 / Revised: 26 June 2019 / Accepted: 1 July 2019 / Published: 9 July 2019



Cet article cite des références questionnées voire rétractées.

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

# Déferlante 2023 : méconduites avec ChatGPT...



8 FÉVRIER 2023 / N°1594 CHARLIE HEBDO 15

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.**

# Méconduites et correction de la science

## Conférences

- Barbour, B. ([2021](#)). *PubPeer: past, present and future*.
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- 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

- 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. ([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]