

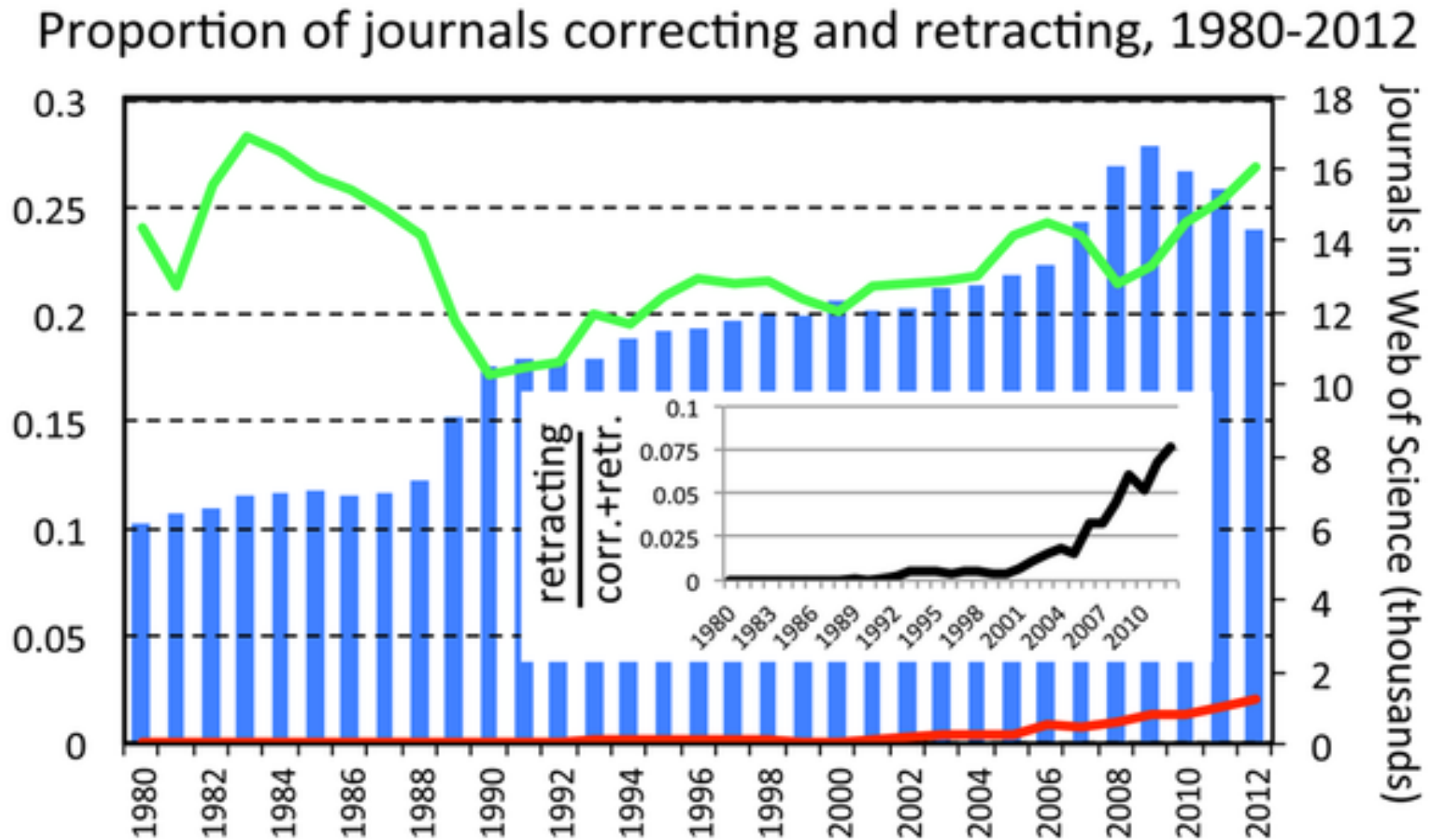
Post Retraction Citations in Context

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THE NUMBER OF RETRACTIONS IS ON
THE RISE

Figure 2. Proportion of journals issuing corrections or retractions amongst all journals covered by the Web Science database, by year.



Fanelli D (2013) Why Growing Retractions Are (Mostly) a Good Sign. *PLoS Med* 10(12): e1001563. doi:10.1371/journal.pmed.1001563
<http://journals.plos.org/plosmedicine/article?id=info:doi/10.1371/journal.pmed.1001563>

Background

- There are two types of citations to retracted articles: Citations that a retracted article received prior to its retraction and citations that are received post retraction and despite retraction notices.
- In this study we sought out to find the context around post-retraction citations with the main purpose of finding out whether they are negatively, positively or neutrally mentioned.

Data Collection

- ScienceDirect, Elsevier's full text database was accessed in October 2014. The database was queried for the term "RETRACTED" in the article title and its retraction notice.
- For this study we selected the five top articles that were found to be highly cited since 2015. This ensured that the papers all cite retracted articles
- A total of 1,203 results retrieved from which 988 were retracted articles. The results excluded were retraction notices, duplicates and papers whose original titles included the word "retracted".

Case study

- For each article we extracted the citing documents and analyzed the ones appearing in 2015 and 2016. Overall, we analyzed 120 citing documents.
- Each mention was categorized as follows:
 - *Positive*: A positive citation indicates that the retracted article was cited as legitimate prior work and its findings used to corroborate the author/s current study.
 - *Negative*: A negative citations indicates that the authors mentioned the retracted article as such and its findings as inappropriate.
 - *Neutral*: A neutral citation indicates that the retracted article was mentioned as a publication that appears in the literature and does not include judgement on its validity.

EXAMPLES

Séralini, G. E., Clair, E., Mesnage, R., Gress, S., Defarge, N., Malatesta, M., & De Vendômois, J. S. (2012).

RETRACTED: Long term toxicity of a Roundup herbicide and a Roundup-tolerant genetically modified maize. *Food and chemical toxicology*, 50(11), 4221-4231.

About 3,870 results (0.29 seconds)

Interview with Gilles-Eric-Seralini - YouTube



<https://www.youtube.com/watch?v=SmweWy-4IBU>

Aug 27, 2014 - Uploaded by Veronica Dudo

Genetically Modified Organisms Debate (GMOS): Interview with Gilles-Eric-Seralini.

Whistleblower Preis 2015 - Prof. Dr. Gilles-Eric Séralini - Roundup ...



<https://www.youtube.com/watch?v=Bw9ym92Sx5o>

Oct 27, 2015 - Uploaded by RegenbogenTV

Prof. Dr. Gilles-Eric Séralini von der Universität Caen (Frankreich) hat als Molekularbiologe zusammen ...

GMO Effects on Tumor Growth with Gilles-Eric Séralini, Ph.D. - YouTube



https://www.youtube.com/watch?v=Zbtj2_EtF5E

Oct 20, 2012 - Uploaded by Andy Moreno

No charge/On-Demand BlogTalk Radio Interview, GMO Effects on Tumor Growth with Gilles-Eric Séralini, Ph ...

Conférence de Gilles Eric Séralini : OGM et pesticides évolutions ...



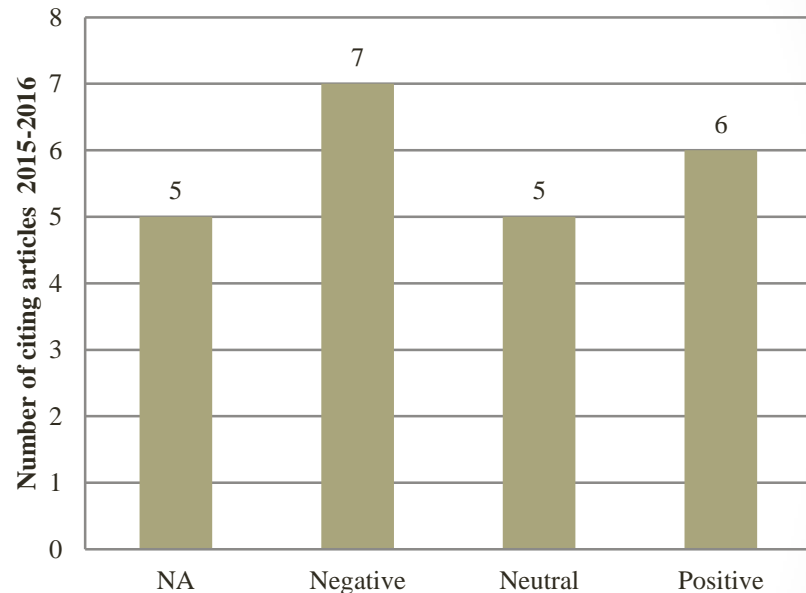
<https://www.youtube.com/watch?v=Zb0nxb4-nx4>

Aug 12, 2015 - Uploaded by Jardins Expériences

"OGM et pesticides : évolutions sanitaires" est le titre de l'intervention de Gilles-Eric Séralini, qui lie

Citations in Context

- This article was cited 109 times since its publication in 2012 with 28 citations tracked after 2014
- More citations are seen to be negative, the positive and neutral ones are also present
- The negative citations mostly point to the media frenzy around the results.
- The study was republished in 2014 by Environmental Sciences Europe. The republished article received 17 citations in 2015 and 2016. The vast majority of them being positive mentions



Mukherjee, S., Lekli, I., Gurusamy, N., Bertelli, A. A., & Das, D. K. (2009). **RETRACTED: Expression of the longevity proteins by both red and white wines and their cardioprotective components, resveratrol, tyrosol, and hydroxytyrosol.** *Free Radical Biology and Medicine*, 46(5), 573-578.

intermittent



Puritan's Pride Resveratrol 100 mg-60 Softgels

\$12.49 from 2 stores

★★★★★ 23 product reviews

Capsule

Double the strength of our regular Resveratrol supplement! Famous in Europe for its antioxidant power, Resveratrol is now becoming widely known



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Capsule

ReserveAge Organics Resveratrol is the original red wine antioxidant. Resveratrol enriches your daily defenses against the environmental stress ...

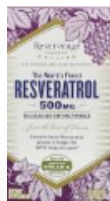


Pure Resveratrol - 25g Pure Powder

\$28.96 from BulkSupplements.com ★★★★★ 1,043 seller reviews

Powder

Resveratrol is a compound found in red grapes, berries and plants. It use is mainly to protect plants from rapidly developing mold. It also ...



ReserveAge Organics Resveratrol, 500mg, Veg Capsules - 30 count

\$33.99 from 10+ stores

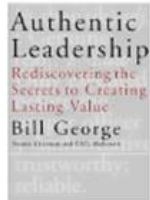
★★★★★ 1 product review

Capsule

Cellular Age-Defying Formula ReserveAge Organics Resveratrol enriches your daily defenses against the environmental stress, toxins and free ...

Walumbwa, F. O., Wang, P., Wang, H., Schaubroeck, J., & Avolio, B. J. (2010).
RETRACTED Psychological processes linking authentic leadership to follower behaviors.

Merchant links are spot

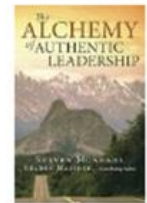


Authentic Leadership: Rediscovering the Secrets to Creating Lasting V...

\$18.11 from 25+ stores

by William W. George · Wiley · Hardback · 217 pages · ISBN 0787969133

In the wake of continuing corporate scandals there have been few, if any, CEOs that have stepped forward as models of "doing things right"—except ...

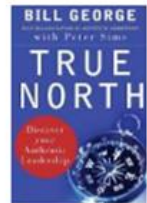


The Alchemy of Authentic Leadership

\$3.03 from Google Play

by Steven Mundahl · Balboa Press · Ebook · 208 pages · ISBN 1452576300

Why do powerful leaders get outed—people like Weiner, Schwarzenegger, Petraeus, Woods, and Clinton? Why do leaders risk it all to cheat, and ...



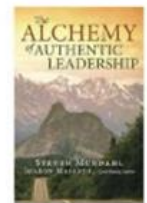
True North: Discover Your Authentic Leadership; Hardcover; Author - B...

\$7.49 from 25+ stores

★★★★★ 1 product review

by Bill George, William W. George · Wiley · Hardback · 251 pages · ISBN 0787987514

True North shows how anyone who follows their internal compass can become an **authentic leader**. This **leadership** tour de force is based on research ...



The Alchemy of Authentic Leadership

\$14.99 from 5+ stores

Why do powerful leaders get outed—people like Weiner, Schwarzenegger, Petraeus, Woods, and Clinton? Why do **leaders** risk it all to cheat, and-even ...

Conclusions

- Retracted articles continue to be cited years after retraction and despite retraction notices being posted on publishers' platforms.
- This could be the result of general interest by the public or media.
- In other cases, the reason for retraction does not deter others from citing the article.
- We recommend that publishers use reference checks to all submitted articles to detect citations of retracted articles and remove them or at least request an explanation from the authors for citing a retracted paper in a positive or neutral manner

Thank you Questions?

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