Tra cứu nhanh về hai chủ đề quan trọng với học giới

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Hai chủ đề nhóm nghiên cứu chúng tôi quan tâm là hiệu quả đầu tư cho nghiên cứu (bao gồm cả xuất bản) và những vấn đề xung quanh việc rút bài đã đăng (sau *peer review*). Chúng thuộc mảng nghiên cứu chính sách khoa học tổng quát (*science policy*) và có liên quan tới cả triết học khoa học (*philosophy of science*).

Hai từ khóa để tìm kiếm nhanh với Google Scholar là "*retractions*" và "*cost of science*"

Hai hình dưới đây là các kết quả phía trên cùng của hai lượt tìm kiếm (không đặt cụm từ trong dấu ngoặc kép).

Với chủ đề ***Retractions***:

The screenshot shows the Google Scholar search results for the query "retractions". The search bar at the top shows the query and a magnifying glass icon. Below the search bar, the results are listed. On the left side, there are filters for "Articles" (About 201,000 results (0.03 sec)), "Any time" (Since 2022, Since 2021, Since 2018, Custom range...), "Sort by relevance" (Sort by date), "Any type" (Review articles), "include patents" (checked), "include citations" (checked), and "Create alert". The main results list includes:

- Retractions** [PDF] nber.org
P Azoulay, J L Furman, F Murray - Review of Economics and Statistics, 2015 - direct.mit.edu
To what extent does "false science" affect the rate and direction of scientific change? We examine the impact of over 1,100 scientific retractions on the citation trajectories of articles ...
☆ Save ⓘ Cite Cited by 89 Related articles All 13 versions
- [HTML] Why has the number of scientific **retractions** increased? [HTML] plos.org
RG Steen, A Casadevall, FC Fang - PLoS one, 2013 - journals.plos.org
Background The number of retracted scientific publications has risen sharply, but it is unclear whether this reflects an increase in publication of flawed articles or an increase in ...
☆ Save ⓘ Cite Cited by 374 Related articles All 25 versions ⓘ
- Rethinking retractions**
J Brainard - 2018 - science.org
... Rethinking **retractions**. Jeffrey Brainard. Science • 26 Oct 2018 • Vol 362, Issue 6413 • pp. 390-393 • DOI: 10.1126/science.362.6413.390 ... Our analysis of about 10,500 retracted journal ...
☆ Save ⓘ Cite Cited by 66 Related articles All 6 versions
- Reform retractions to make them more transparent** [PDF] philpapers.org
QH Vuong - Nature, 2020 - philpapers.org
URL: <https://www.nature.com/articles/d41586-020-01694-x> ... Vuong, Q.-H. (2020). Reform **retractions** to make them more transparent. Nature ... Quan-Hoang Vuong is director of the Centre for Interdisciplinary ...
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<https://scholar.google.com/scholar?&q=retractions>

Những bài xuất hiện trên cùng đều khá mới, từ năm 2013 trở lại đây. Nếu rà soát hết cả trang đầu tiên, thì bài cũ nhất cũng mới chỉ từ năm 2006, trên *Science* (Miller, 2006).

Với chủ đề *Cost of science*:

The screenshot shows the Google Scholar search results for the query "cost of science". The search bar at the top displays the query and a magnifying glass icon. Below the search bar, it indicates "Articles" and "About 6,450,000 results (0.03 sec)". On the left side, there are filters for "Any time" (with sub-options: Since 2022, Since 2021, Since 2018, Custom range...), "Sort by relevance" (with sub-option: Sort by date), "Any type" (with sub-option: Review articles), and checkboxes for "include patents" and "include citations" (the latter is checked). There is also a "Create alert" button. The main results area shows four entries. Each entry includes a title, authors, year, journal, and a link to the full text (PDF or HTML). The first entry is "Who bears the growing cost of science at universities?" by RG Ehrenberg, M Rizzo, G Jakubson (2003), published in nber.org. The second entry is "The true cost of science publishing" by R Van Noorden (2013), published in Nature. The third entry is "Cubesats: Cost-effective science and technology platforms for emerging and developing nations" by K Woellert, P Ehrenfreund, AJ Ricco (2011), published in Elsevier. The fourth entry is "The (ir) rational consideration of the cost of science in transition economies" by QH Vuong (2018), published in Nature Human Behaviour.

Google Scholar search results for "cost of science". The search bar shows the query and a magnifying glass icon. Below the search bar, it indicates "Articles" and "About 6,450,000 results (0.03 sec)". On the left side, there are filters for "Any time" (with sub-options: Since 2022, Since 2021, Since 2018, Custom range...), "Sort by relevance" (with sub-option: Sort by date), "Any type" (with sub-option: Review articles), and checkboxes for "include patents" and "include citations" (the latter is checked). There is also a "Create alert" button. The main results area shows four entries. Each entry includes a title, authors, year, journal, and a link to the full text (PDF or HTML). The first entry is "Who bears the growing cost of science at universities?" by RG Ehrenberg, M Rizzo, G Jakubson (2003), published in nber.org. The second entry is "The true cost of science publishing" by R Van Noorden (2013), published in Nature. The third entry is "Cubesats: Cost-effective science and technology platforms for emerging and developing nations" by K Woellert, P Ehrenfreund, AJ Ricco (2011), published in Elsevier. The fourth entry is "The (ir) rational consideration of the cost of science in transition economies" by QH Vuong (2018), published in Nature Human Behaviour.

<https://scholar.google.com/scholar?&q=cost+of+science>

So với từ khóa *retractions*, thì các kết quả của từ khóa *cost of science* cho thấy thời gian từ trước. Bài lâu đời nhất là Stecher & Klein (1997) trên *Educational Evaluation and Policy Analysis*. Tuy nhiên, về cơ bản thì những kết quả tìm kiếm có vị trí trên cùng cũng vẫn có thể được coi là rất mới, chỉ trong khoảng chục năm trở lại đây.

Đồng thời, một thực tế quan sát thấy nữa cũng rất đáng chú ý. Trong số 10 bài lọc ra xem xét từ 2 tìm kiếm nói trên, thì 5 bài thuộc về họ *Science* và *Nature*. Và chắc chắn điều này không phải là tình cờ. Các nhóm vấn đề tổng quát của khoa học nhân loại xưa nay vẫn thuộc đối tượng ưu tiên xuất bản của hai hệ thống ấn phẩm hàng đầu nói trên.

References

Azoulay, P., Furman, J. L., & Murray, F. (2015). Retractions. *Review of Economics and Statistics*, 97(5), 1118-1136.

- Brainard, J. (2018). Rethinking retractions. *Science*, 362(6413), 390-393.
- Ehrenberg, R. G., Rizzo, M., & Jakubson, G. (2003). Who bears the growing cost of science at universities?. NBER Working Paper 9627. <https://www.nber.org/papers/w9627>
- Miller, G. (2006). A scientist's nightmare: software problem leads to five retractions. *Science*, 314(5807), 1856-1857.
- Steen, R. G., Casadevall, A., & Fang, F. C. (2013). Why has the number of scientific retractions increased?. *PLoS One*, 8(7), e68397.
- Stecher, B. M., & Klein, S. P. (1997). The cost of science performance assessments in large-scale testing programs. *Educational Evaluation and Policy Analysis*, 19(1), 1-14.
- Van Noorden, R. (2013). The true cost of science publishing. *Nature*, 495(7442), 426-429.
- Vuong, Q. H. (2018). The (ir)rational consideration of the cost of science in transition economies. *Nature Human Behaviour*, 2(1), 5.
- Vuong, Q. H. (2020). Reform retractions to make them more transparent. *Nature*, 582(7811), 149.
- Woellert, K., Ehrenfreund, P., Ricco, A. J., & Hertzfeld, H. (2011). Cubesats: Cost-effective science and technology platforms for emerging and developing nations. *Advances in Space Research*, 47(4), 663-684.