



Retraction watch data in the REST API

Starting soon...

02 April 2025

Agenda

- Introduction and importance of the Retraction Watch metadata
- Overview of the Retraction Watch metadata
- How to access it?
- Community use case: GetFTR

Who is here today?



[Luis Montilla](#)

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The Retraction Watch Metadata

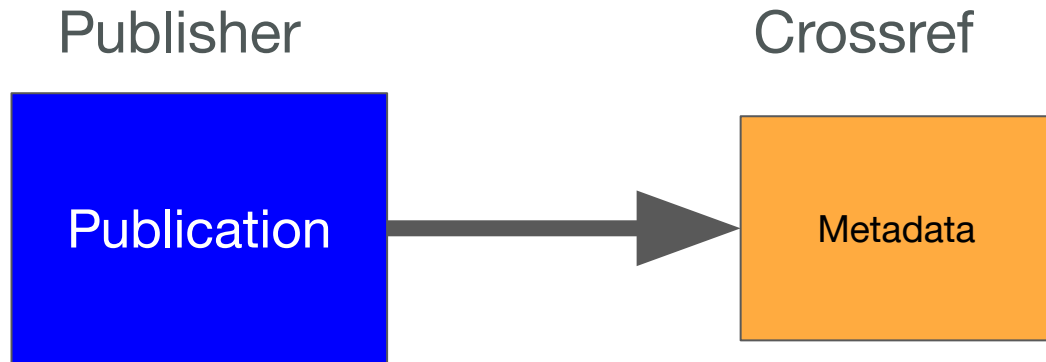


Crossref

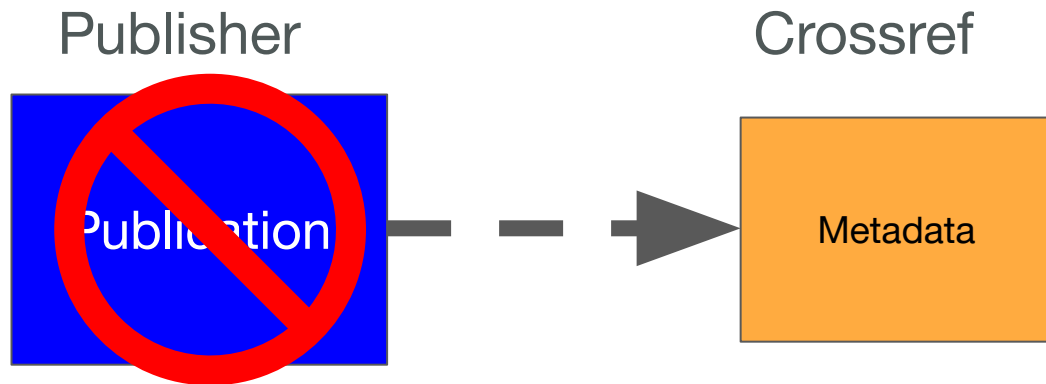


@CrossrefOrg

What is a retraction?

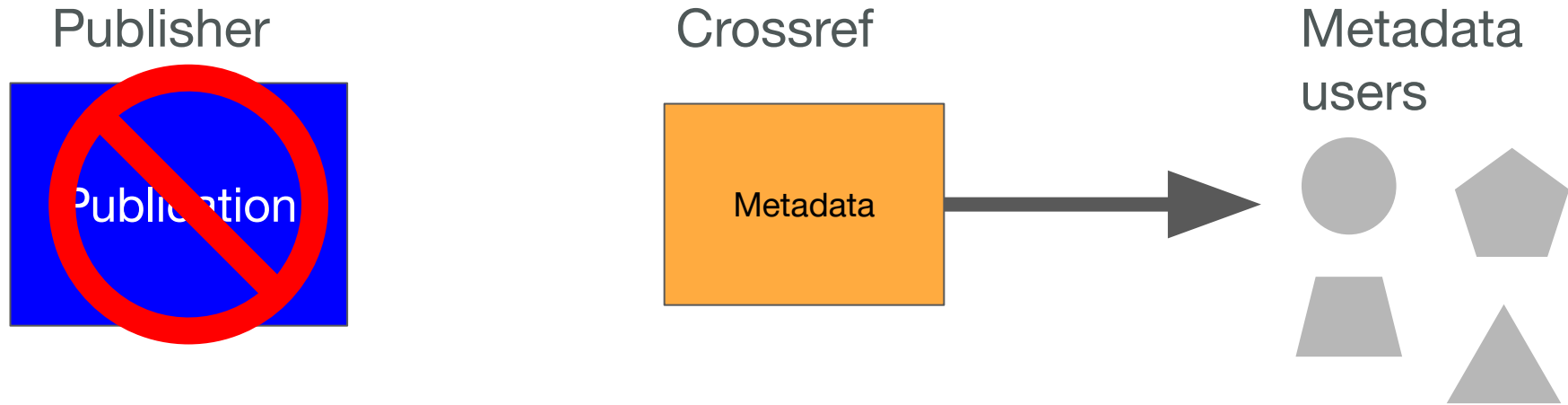


What is a retraction?



- Systems build to send but not update metadata.
- Retraction is rare, so publishers aren't use to handling them.

Impacts of retraction



Downstream users don't know about the retraction.

Retraction Watch



- Started reporting on retractions.
- Started collecting retractions.
- Signed an agreement with Crossref to open the retraction database.

Where does the data come from?

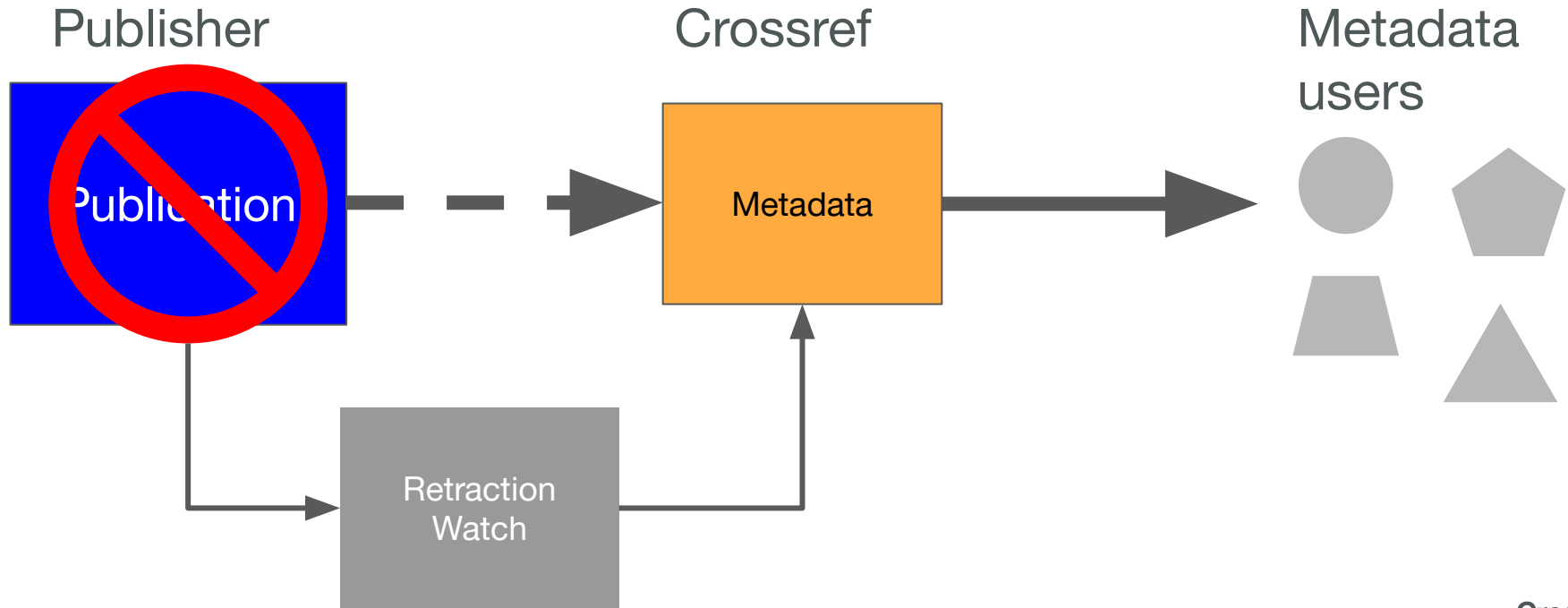


- Member metadata deposits



- Searching scholarly databases
- Checking publisher websites
- Web searches
- Reports from the community
- Human curation process

Better retraction metadata



How to register a retraction

Any Crossref member can register a retraction

```
<crossmark>
  <updates>
    <update type="retraction" label="Retraction" date="2009-09-14">
      10.5555/12345678
    </update>
  </updates>
</crossmark>
```

Full example: https://gitlab.com/crossref/schema/-/blob/master/best-practice-examples/crossmark_retraction_4.8.0.xml

How to register a retraction

Add Crossmark Metadata

Crossmark

Please note: This form does not validate Crossmark input. If you are new to Crossmark, please [read the documentation](#) before completing your deposit.

Version: Policy page DOI:

Crossmark Domain: Filter?

+ add domain group

Crossmark Domain exclusive: ☒ True ☐ False

Updates:

Update DOI: Update date:

Update type:

+ add update

Web deposit form: <https://apps.crossref.org/webDeposit/>

How to access retractions



Crossref



@CrossrefOrg

All RW retractions in one place

CSV file - all Retraction Watch data in one place

<https://gitlab.com/crossref/retraction-watch-data>

	B	C	D	E	F	G	H	I	
1	Title	Subject	Institution	Journal	Publisher	Country	Author	URLS	ArticleType
2	The Influence of Big Data and Information Fusion Innovative Technology in College Students' Ideological and Political Education	(B/T) Data Science(SOC) Education(SOC) Political Science;	Faculty of Science, Xi'an Aeronautical Institute, Xi'an 710077, Shaanxi, China;	Mobile Information Systems	Hindawi	China	Yang Li	https://retractionwatch.com/2022/09/28/exclusive-hindawi-and-wiley-to-retract-over-500-papers-linked-to-peer-review-rings/ https://retractionwatch.com/2023/04/05/hindawi-and-hindawi-to-retract-1200-more-papers-for-compromised-peer-review/ https://retractionwatch.com/2022/09/28/exclusive-hindawi-and-wiley-to-retract-over-500-papers-linked-to-peer-review-rings/	Research
3	The Establishment and Evaluation Method of Prefabricated Building Construction Quality Evaluation Index System Taking into Account Multimedia Sensor Network Nodes	(B/T) Technology;(PHY) Engineering - Structural;	College of Civil Engineering, Zhengzhou Institute of Technology, Zhengzhou, Henan 450044, China;	Advances in Multimedia	Hindawi	China	Yankun Guo	https://retractionwatch.com/2022/09/28/exclusive-hindawi-and-wiley-to-retract-over-500-papers-linked-to-peer-review-rings/ https://retractionwatch.com/2023/04/05/hindawi-and-hindawi-to-retract-1200-more-papers-for-compromised-peer-review/ https://retractionwatch.com/2022/09/28/exclusive-hindawi-and-wiley-to-retract-over-500-papers-linked-to-peer-review-rings/	Research
4	Study on the Influence of Suspension Parameters on Longitudinal Impact Comfort	(PHY) Engineering - Mechanical;	School of Intelligent Manufacture, Taizhou University, Zhejiang 318000, Zhejiang, China; Geely Holding Group, Hangzhou 311228, China;	Security and Communication Networks	Hindawi	China	Ming Li;Junping Jiang,Fukui Sun,Minghui Ye	https://retractionwatch.com/2022/09/28/exclusive-hindawi-and-wiley-to-retract-over-500-papers-linked-to-peer-review-rings/ https://retractionwatch.com/2023/04/05/hindawi-and-hindawi-to-retract-1200-more-papers-for-compromised-peer-review/ https://retractionwatch.com/2022/09/28/exclusive-hindawi-and-wiley-to-retract-over-500-papers-linked-to-peer-review-rings/	Research

Why CSV data?

Pros

- All RW retractions in one place.
- Includes additional details.
- Human-readable.

Cons

- No Crossref metadata.
- Contains info you might not need.
- Unfiltered.

REST API

<https://api.crossref.org/v1/works?filter=update-type:retraction&rows=10>

JSON formatted data combining
member metadata with Retraction
Watch metadata.

```
▼ unstructured: "Washino S, Rider LC, Romero L, ...
  journal-title: "Mol Cancer Res"
▼ updated-by:
  ▼ 0:
    ▼ updated:
      ▼ date-parts:
        ▼ 0:
          0: 2022
          1: 6
          2: 9
          date-time: "2022-06-09T00:00:00Z"
          timestamp: 1654732800000
          DOI: "10.1186/s12935-020-01654-5"
          type: "retraction"
          source: "publisher"
          label: "Retraction"
▼ 1:
  record-id: "37618"
  source: "retraction-watch"
  label: "Retraction"
  type: "retraction"
  ▼ updated:
    date-time: "2022-06-09T00:00:00Z"
    ▼ date-parts:
      ▼ 0:
        0: 2022
        1: 6
        2: 9
        timestamp: 1654732800000
        DOI: "10.1186/s12935-022-02628-5"
  ▼ container-title: "Cancer Cell International"
```


Why use the REST API?

Pros

- Get the latest retractions
- Machine-readable
- Easy filtering
- RW retractions + Crossref metadata
- Compare what publishers and RW say

Cons

- More difficult to get all metadata.
- Retractions are (deliberately) listed more than once.
- Too much information?

Filter examples

Base URL: <https://api.crossref.org/v1/works?mailto=email@domain.com&>

Retractions made in a date range:

filter=[update-type](#):retraction,[from-pub-date](#):2023-01-01,[until-pub-date](#):2023-12-31

filter=[is-update](#):1,[from-pub-date](#):2023-01-01,[until-pub-date](#):2023-12-31

Retractions from a specific country:

filter=[update-type](#):retraction&[query.affiliation](#)=switzerland

Retractions using keywords in the title:

filter=[update-type](#):retraction&[query.title](#)=covid

filter=[has-update](#):1&[query.title](#)=covid

New! Versions

<https://www.crossref.org/blog>

```
{
  "DOI": "10.5555/doi",
  "version": {
    "version": "2.1-in english",
    "language": "en",
    "version-description": [
      {
        "description": "Mis à jour pour inclure des données supplémentaires",
        "language": "fr"
      },
      {
        "description": "Updated to include additional data",
        "language": "en"
      }
    ]
  }
}
```

New! Preprint withdrawals

<https://www.crossref.org/blog>




```
{
  "DOI": "10.5555/doi",
  "status": [
    {
      "type": "withdrawn",
      "updated": {
        "date-parts": [
          [
            2024,
            2,
            1
          ]
        ]
      },
    },
    "status-description": [
      {
        "description": "violation de copyright",
        "language": "fr"
      },
      {
        "description": "copyright infringement",
        "language": "en"
      }
    ]
  ]
}
```



Community use case: GetFTR

What is Get Full Text Research (GetFTR) and how does it work?



1. **DOI-level entitlements checks**, provided by publishers in real time
2. **Indicators where full text is available** via institution subscriptions or OA 
3. **Smart links to trusted content** removing unnecessary steps 
4. **Retraction and errata information** at the point of discovery 
5. **Free to use** for discovery tools, and links added to all websites via the [GetFTR Browser Extension](#)

Google Scholar search results for "vitamin d".

Articles About 54,100 results (0.10 sec)

Any time
Since 2025
Since 2024
Since 2021
Custom range...

Sort by relevance
Sort by date

Any type
Review articles

☐ include patents
☒ include citations

☐ Create alert

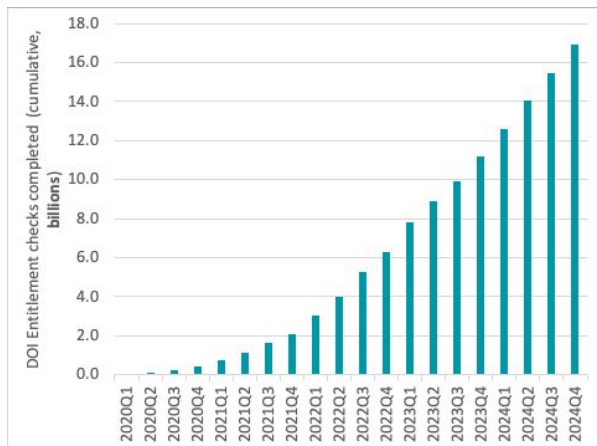
Response to the retraction of papers by Yoshihiro Sato-a review of vitamin D and Parkinson's disease
full-text available through University of Manchester by GetFTR
View PDF

Retracted: Randomized controlled trial of vitamin D supplementation in children with autism spectrum disorder
K Saad, AA Abdel-Rahman... - Journal of Child ..., 2018 - Wiley Online Library
... The aim of this study was to assess the effects of vitamin D supplementation on the core ... vitamin D3 or placebo for 4 months. The serum levels of 25-hydroxycholecalciferol (25 (OH)D) ...
Save Cite Cited by 140 Related articles All 8 versions
View PDF Retraction

Effect of oral systemic administration of vitamin D on the rate of maxillary canine retraction: A randomized controlled trial
D Kumar, R Mn, R Sharma, A Sachdeva... - Journal of Oral Biology ..., 2025 - Elsevier
... (Oral Vitamin D = 0.25 µg given) and control group (Placebo given). The canine retraction was ... a force of 100 gm per side and Vitamin D levels were monitored at monthly intervals. The ...
Save Cite Cited by 140 Related articles All 8 versions
View PDF

RETRACTED ARTICLE: Impact of daily high dose oral vitamin D therapy on the inflammatory markers in patients with COVID 19 disease
M Lakireddy, SG Gadiga, RD Malathi, ML Karra... - Scientific reports, 2021 - nature.com
... observational studies have reported that the patients with higher levels of serum vitamin D (vit.D) had less severe symptoms and vice versa and have postulated the usefulness of vit...
Save Cite Cited by 137 Related articles All 15 versions
View PDF Retraction

GetFTR used by leading discovery tools and publishers providing 5 billion entitlement decisions per year



PUBLISHERS

- AAAS
- AACR
- ACS
- ADA
- AIP Publishing
- AIAA
- American Medical Association
- APA
- AMS

DISCOVERY TOOLS

- APA Psychinfo
- Cactus – *Case Study*
- CHORUS
- DeepDyve
- Digital Science
- Dimensions
- Figshare

- APS
- ASCE
- ASM – *Case Study*
- ASM International
- Becaris Publishing
- CAB International
- Dovepress
- Edinburgh University Press
- Edward Elgar
- Elsevier – *Case Study*
- Future Science Group

- Mendeley
- MyScienceWork
- Readcube Papers
- Researcher
- ResearchGate (for syndicated content)
- SciFinder
- SciSummary

- Geological Society of London
- IEEE
- IOP Publishing
- Karger
- Oxford University Press
- Project Hope (Health Affairs)
- Rockefeller University Press
- Royal College of Surgeons of London
- RSNA
- Sage

ARTICLE REFERENCES

- ACS Publications

- SEG
- Springer Nature
- Taylor & Francis
- Thieme
- Wageningen Academic Publishers
- Wiley

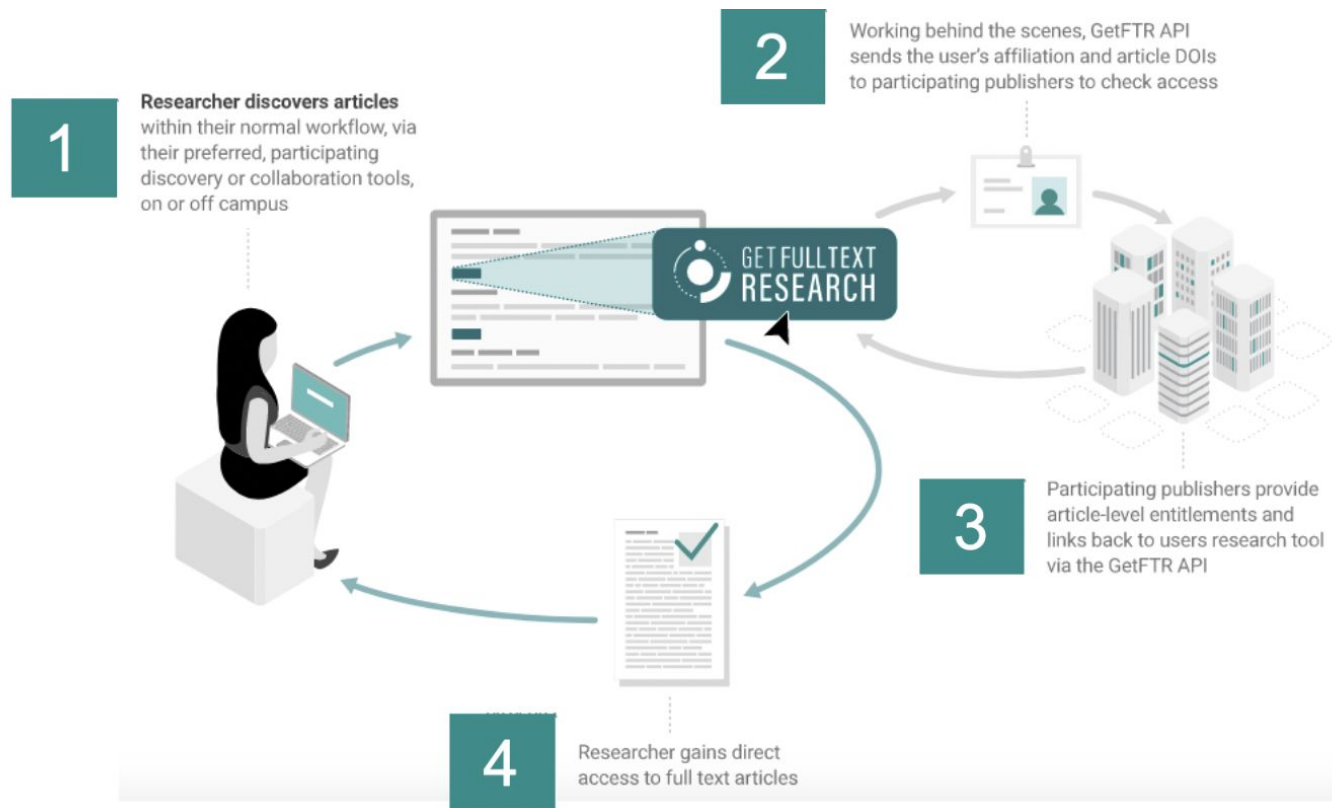
PLATFORMS

- Atypion
- KGL PubFactory
- Silverchair

- ASM Journals
- IOPscience
- RSNA Journals
- ScienceDirect
- SEG Library
- Taylor & Francis Online
- Wiley Online Library

50+ Publishers and Integrators | **~68%** of article output | **All OA content** | **5 billion** entitlement requests / year

GetFTR uses Crossref to identify publishers and to provide retraction and errata data to discovery tools



Discovery tools flag retractions & errata at the point of discovery



Discovery tools reassure researchers about the status of content at the point of discovery - safeguarding **research integrity**

Currently displayed via the [GetFTR Browser Extension](#), [Psycinfo](#), and [IOPP references](#), with others coming soon

The GetFTR **Document Status** page shows updates to the document in timeline format using Crossref data

Google Scholar

Articles

Any time

Since 2024

Since 2023

Since 2020

Custom range...

Sort by relevance

Sort by date

Any type

Review articles

☐ include patents

☒ include citations

impact high dose vitamin d

This document was retracted at 2022-04-20

Reasons:

- Error in Analyses
- Error in Data
- Error in Methods
- Error in Results and/or Conclusions
- Upgrade/Update of Prior Notice

[Click for further information](#)

by GetFTR

View PDF Retraction

Retraction Note: Impact of daily high dose oral vitamin D therapy on the inflammatory markers in patients with COVID 19 disease

M Lakkireddy, SG Gadiga, ... disagree with this retraction. Kandakatta have not responded.

☆ Save ☆ Cite Cited by

View PDF

Document Status

THIS DOCUMENT IS RETRACTED

RETRACTED ARTICLE: Impact of daily high dose oral vitamin D therapy on the inflammatory markers in patients with COVID 19 disease

View PDF 10.1038/s41598-021-90189-4

Published Online: 2021-05-20

Journal: Scientific Reports • Publisher: Springer Science and Business Media LLC

Authors: L. S. S. V. Prasad Murthy Raju • K. S. S. Sai Baba • Madhu Latha Karna • Maheshwar Lakkireddy • Manohar Kandakatta • R. D. Malathi • Ragini • Sangeetha Chinapaka • Srikanth Goud Gadiga

NOW

2022-04-20 • RETRACTION

Retraction Note: Impact of daily high dose oral vitamin D therapy on the inflammatory markers in patients with COVID 19 disease

View PDF 10.1038/s41598-022-10830-8

Reasons: Error in Analyses • Error in Data • Error in Methods • Error in Results and/or Conclusions • Upgrade/Update of Prior Notice

* information was provided by RetractionWatch

2021-08-30 • CORRECTION

Author Correction: Impact of daily high dose oral vitamin D therapy on the inflammatory markers in patients with COVID 19 disease

View PDF 10.1038/s41598-021-97181-y

Reasons: Error in Data • Error in Text • Updated to Retraction

* information was provided by Crossref and RetractionWatch

2021-05-20 • PUBLISHED

GetFTR uses the Crossref API and Retraction Watch CSV



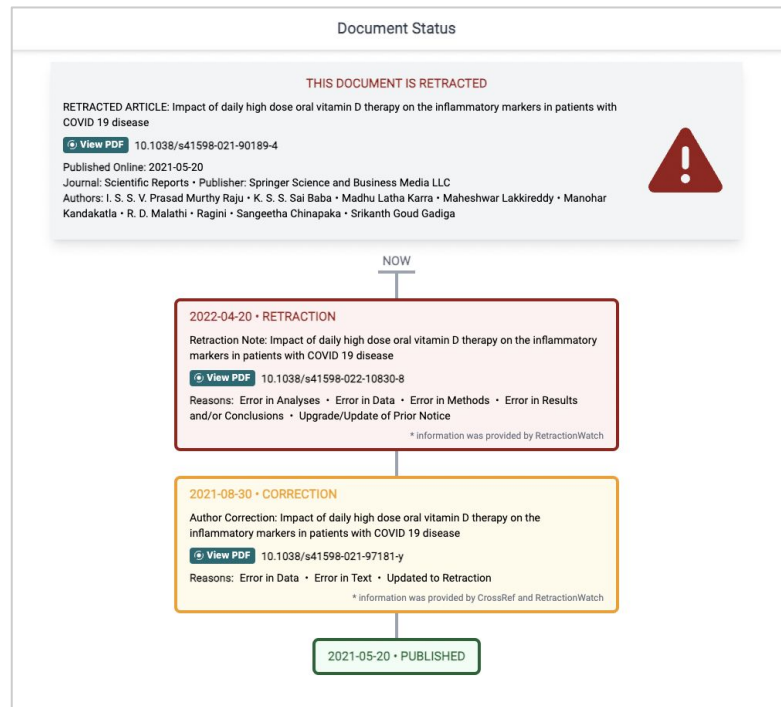
Crossref API: Source “publisher”, for every Crossref update-type, using Crossref update-to, an update record is created in GetFTR for the DOI

Retraction Watch CSV from CrossRef Gitlab: An update record is created in GetFTR for the DOI, with metadata e.g. reasons and URL

GetFTR API: Returns stored update records for DOI

GetFTR Document Status Page: Sorts and dedupes records (CR/RW), shows updates in timeline format, uses the title of the document and other key information

Contact dianne@getfulltextresearch.com if you'd like to hear more



Get help

- Read our documentation at www.crossref.org/documentation
- Visit our community forum at <https://community.crossref.org/>
- Contact the team directly: www.crossref.org/contact