

The 8th Asian Science Editors' Conference and Workshop July 15-16, 2024/ The Westin Jakarta

What's new at Crossref

Yera Hur PhD

Crossref Ambassador (South Korea)

Research Prof. Hallym Univ. College of Medicine





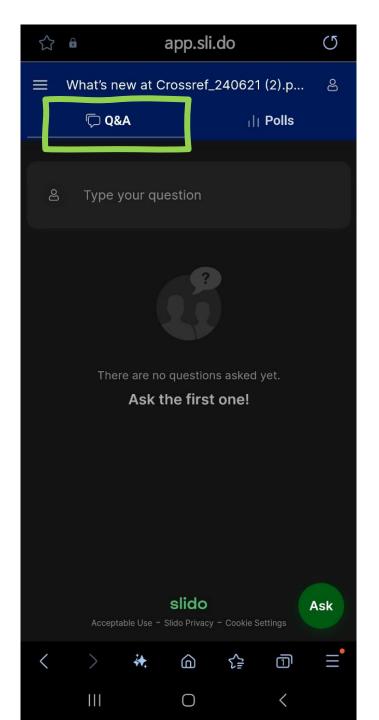
@CrossrefOrg

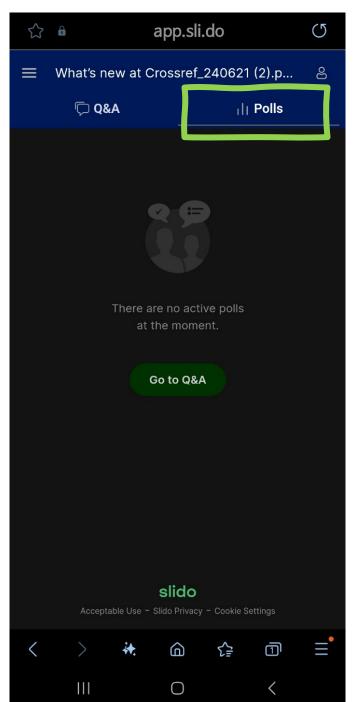
- Open your cell-phone camera
- yellow internet address: qr.sli.do

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Check any Crossref services you know



- Open, foundational scholarly infrastructure
- Metadata registry to enable services
- Services: Content Registration, Reference linking, Cited-by, Funder Registry, Similarity Check, Crossmark, Event Data, Metadata retrieval(incl. Metadata Plus)



- Open data and APIs with metadata >160 million records from over 20K members (157 countries)
- Metadata and relationships = scholarly record research nexus
- Metadata use: APIs 1.8 billion requests/month

Agenda





Registry





1

Retraction watch & Crossref







BROWSE ARTICLES ~

PUBLICATION ETHICS ~

FOR CONTRIBUTORS V

ABOUT ~

SEARCH Q

HOME > | Educ Eval Health Prof > Volume 20; 2023 > Article

Brief report

Are ChatGPT's knowledge and interpretation ability comparable to those of medical students in Korea for taking a parasitology examination?: a descriptive study

12,441 Views 1,042 Download 142

Web of Science

73

Crossref

158

Scopus

Sun Huh*

DOI: https://doi.org/10.3352/jeehp.2023.20.1

Published online: January 11, 2023



0:01 / 1:55



Author information ▼ | Article notes ▼ | Copyright and License information ▼

About CrossMark



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eISSN: 1975-5937

SEARCH Q

PUB

CrossMark

HOME > J Educ Eval Health Prof > Volume 2

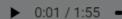
Brief report

BROWSE ARTICLES ~

Are ChatGPT's k of medical stude descriptive stud

Sun Huh*

DOI: https://doi.org/10.3352/jeehp.202 Published online: January 11, 2023



Author information V | Article no



Any future updates will be listed below

Are ChatGPT's knowledge and interpretation ability comparable to those of medical students in Korea for taking a parasitology examination?: a descriptive study

Crossref DOI link: https://doi.org/10.3352/jeehp.2023.20.1

Published Online: 2023-01-11

Update policy: https://doi.org/10.3352/crossmark_policy

- Authors
- License Information
- More Information

those 1?: a

12,441

1,042

142

73

Crossref

158

10

Crossref

Full Article

Figure

- 12th September 2023
 - Crossref acquired Retraction Watch data
- Combine & distribute data
 - Tens of thousands of retracted research papers
- Around 50k retractions & overlap
 - Crossref retractions = 14k
 - Retraction Watch retractions = 43k





- Crossmark button
 - filling gaps, high-quality services, open data
- Crossref's initial acquisition fee USD 175,000
 - will pay Retraction Watch USD 120,000 / yr
- Initial term of the contract
 - 5years, sustainable funding to improve

If you want to know more...

News: Crossref and Retraction Watch (2023)

https://www.crossref.org/blog/news-crossref-and-retraction-watch/



- Enquiries For Retraction Watch/Center for Scientific Integrity: Ivan Oransky, <u>ivan@retractionwatch.com</u>
- For Crossref: Ginny Hendricks, ginny@crossref.org

2

Open Funder Registry (OFR) (formerly FundRef)



of their grants in one place



OFR

(Open Funder Registry)

VS

ROR

(Research Organization Registry)

History of OFR

- Open Funder Registry (OFR) 2013
- Cite research financing organizations' grant
- Support Elsevier, Crossref
- Open persistent identifiers for funding organization



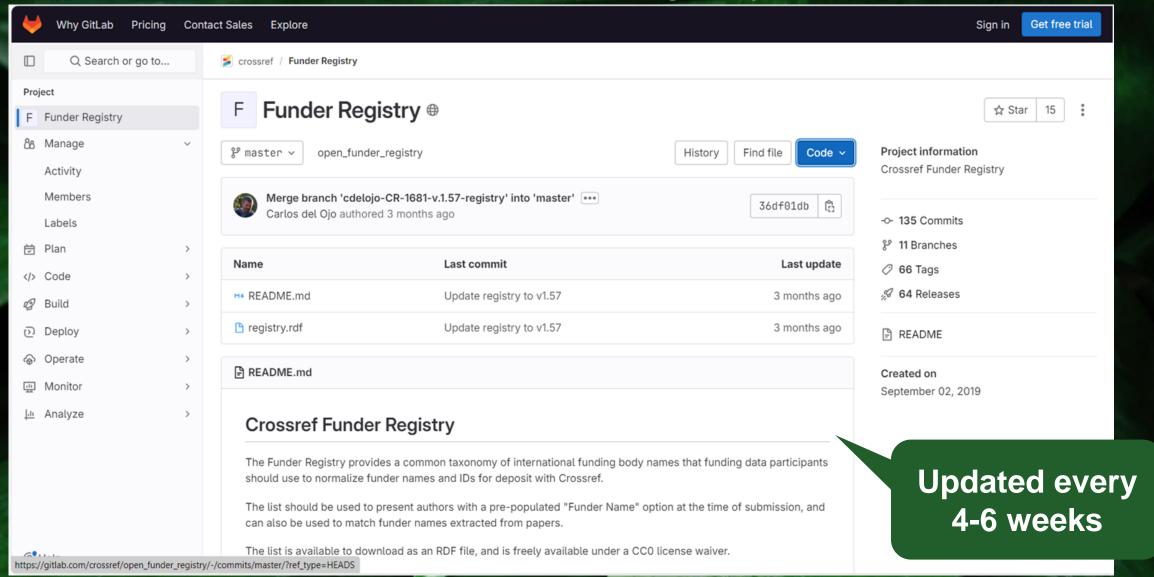


History of ROR

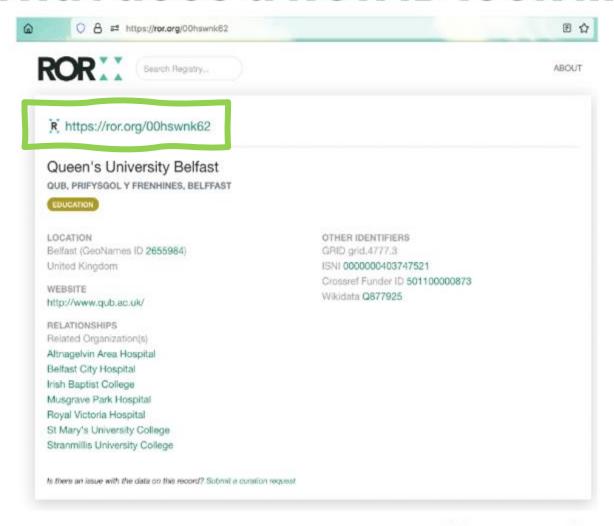


- Research Organization Registry (ROR) 2019
- Support Digital Science, California Digital Library,
 Crossref, Datacite
- Open persistent identifiers for research organizations

What does the Funder Registry look like?



What does a ROR ID look like?



Overview

ROR	Funder Registry
Launched in 2019	Launched in 2013
Primary use case is contributor affiliation	Primary use case is funding acknowledgement
105k+ records	35k+ records
CC0 data	CC0 data
REST API	REST API
Free to use	Free to use
Entire registry downloadable as JSON and CSV	Entire registry downloadable as RDF; funder names and IDs downloadable as CSV
Records contain mappings to other IDs	Records do not contain mappings to other IDs
Organization relationships and hierarchy	Organization relationships and hierarchy
8 organization types	2 funder types, 8 funder subtypes

ROR	Funder Registry
Web-based registry search	Web-based search for works in Crossref associated with each Funder ID
Web-based landing pages for each ROR record	JSON landing pages for each Funder Registry record
Updated monthly	Updated monthly
Public curation process	Private curation process
Anyone can request changes and additions	Anyone can request changes and additions
Stable financial support	Stable financial support
Beginning to be supported in funding and publishing workflows	Somewhat well supported in most funding and publishing workflows
Currently used by 260+ Crossref members 1	Currently used by 2100+ Crossref members ²

Key difference

- ROR always include
 - funding organizations
 - mappings to Funder IDs
- ORF includes
 - only **FUNDING** organizations

What does this mean?

- For new Funders register with ROR IDs
- Legacy Funder IDs mapped to a ROR ID
- Schema updates: development to accept
 - ROR ID release in coming weeks

If you want to know more...

Open Funder Registry (OFR)

https://www.crossref.org/services/funder-registry/



Open Funder Registry to transition into Research Organization Registry (ROR), 2023

https://www.crossref.org/blog/open-funder-registry-to-transition-into-research-organization-registry-ror/



RORing ahead: using ROR in place of the Open Funder Registry

https://www.crossref.org/blog/roring-ahead-using-ror-in-place-of-the-open-funder-registry/

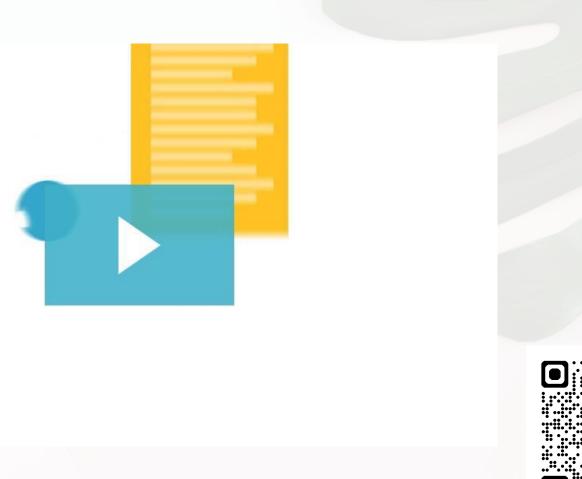


Similarity Check v2

slido



Which Similarity Check (iThenticate) version are you using?



https://www.crossref.org/services/similarity-check/

why upgrade to iThenticate v2?

what does iThenticate v2 look like



Source: ttps://www.straive.com/blogs/upholding-the-highest-standards-of-quality-trust-and-ethics-to-maintain-the-integrity-of-published-literature

Why upgrade to iThenticate v2?

- Faster, user-friendly, responsive interface.
- Preprint exclusion filter
- "Red flag" feature
- iThenticate v1 only until mid-year 2025

What is iThenticate v2?

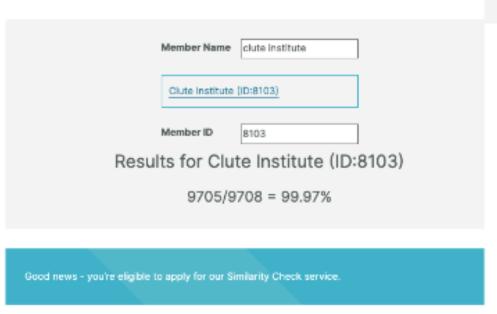
- New improved version
- Separate from version 1 need upgrade to v2

Who can upgrade?

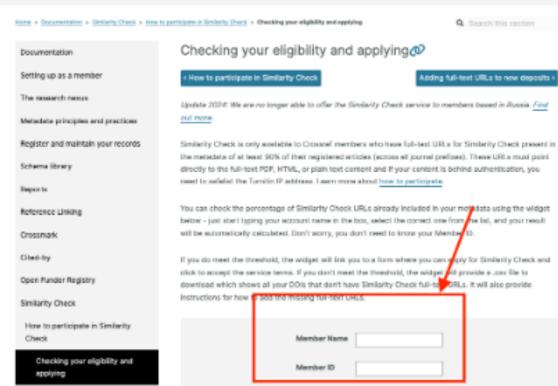
• Eligibility = Similarity Check URLs at least 90% of the content

Checking eligibility



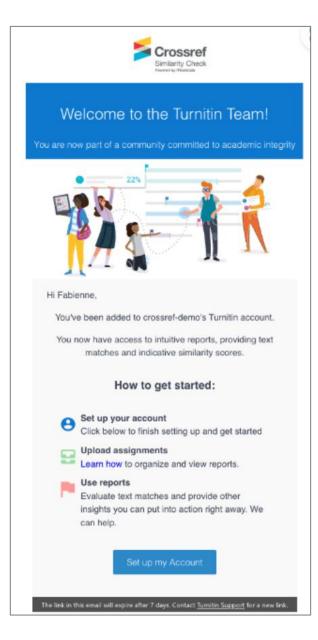


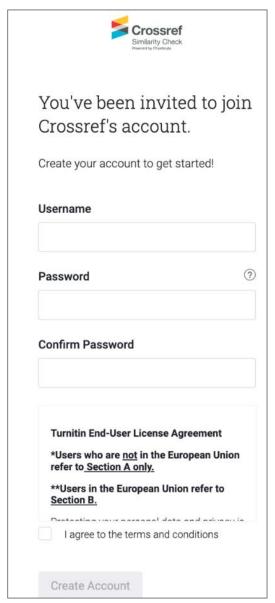
You can now apply here and accept the service terms.

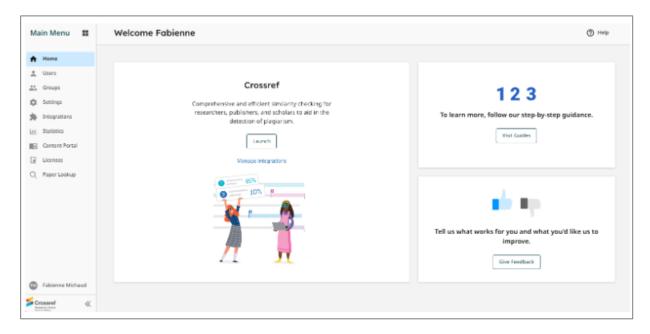


Documentation

https://www.crossref.org/documentation/similarity-check/participate/eligibility/







New iThenticate v2 account

iThenticate REPORT

- 1. Upload a document to iThenticate
- 2. A similarity report is produced
- 3. Compare side-by-side
- 4. Is the similarity detected okay, or does it need further investigation?

Enhanced Similarity Report

Similarity 25% Custom Sections Flags
seemed to have triggered the encephalitis .Th

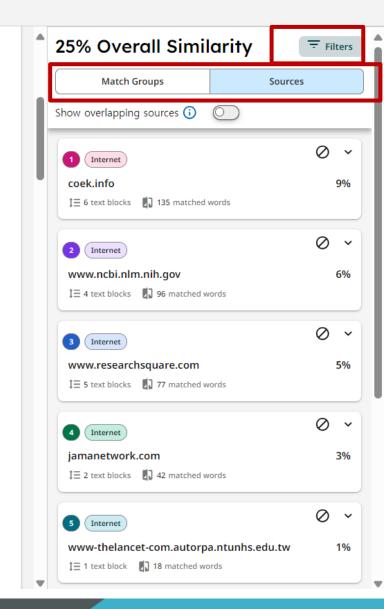
known. Authors present two cases where exam stress seemed to have triggered the encephalitis .These cases illustrate the possible role of stress in leading to immune dysregulation which can lead to encephalitis and authors review the role of stress in NMDAR Encephalitis and possible mechanisms by which stress the can trigger an immune dysregulation.

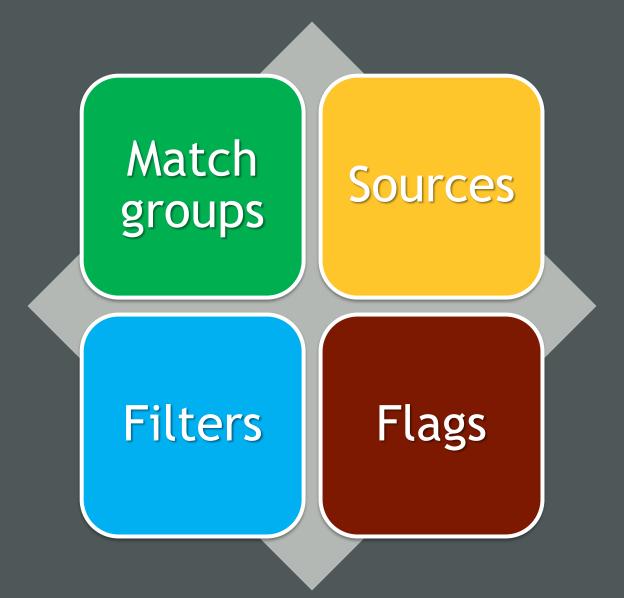
Introduction

Page 1 of 3

Anti NMDA receptor encephalitis is a rare disease, with an estimated incidence of 1·5 per million population per year, and was described only 15 years ago in 2007 by Dalmau et al. 1 The understanding of this disease started a new era in neurology and psychiatry. Proposed pathophysiology of anti-NMDAR encephalitis is thought to involve antibodies against the NR1 subunit of N-methyl-D-aspartate receptor (NMDAR), which causes reversible internalization of the receptor in neurons. 2 Tumors and viral infection are two known potential immunologic triggers of anti-NMDAR encephalitis. 3 However, in about half of patients with anti-NMDAR encephalitis, the immunologic triggers are still unknown. It is hypothesized that the antigen (NMDAR), which may be expressed in ovarian teratomas or released by viral-induced neuronal disruption and is directly transported to the local lymph nodes in soluble form or taken up by antigen-presenting cells (APCs), resulting in the generation of memory B cells which cross blood brain barrier and finally differentiating to anti-NMDAR antibody-producing plasma cells (Dalmau, 2016). 4 However there have been reports in the literature that stress can induce anti-NMDAR. 5,6,7,8

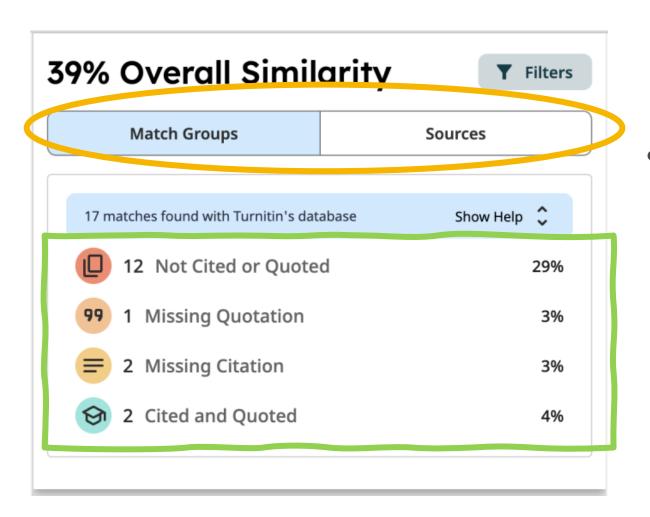
Case 1: Sixteen year old female appearing in high school exit examination presented with abnormal behavior in the form of agitation, and other psychiatric symptoms like anxiety, panic attacks, delusions, disorganized thinking. This was followed by abnormal movements. She was seen by a psychiatrist and a neurologist; her MRI was normal (Figure 1) and EEG was reported as normal. Her sensorium started to worsen at home and she reported to emergency. She was having recurrent abnormal limb movements in cephalopathy. She was intubated. Routine CSF was normal and PCR was x Virus. Suspicion of Anti NMDAR Encephalitis remained and anti NMDAR







Similarity overview: Match Groups



 Match Groups - breaks the overall similarity down into four categories

Example: Not cited or Quoted

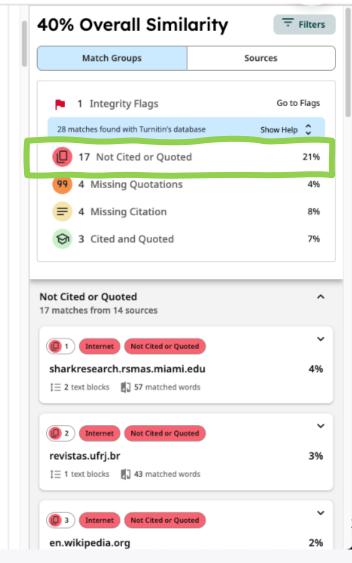


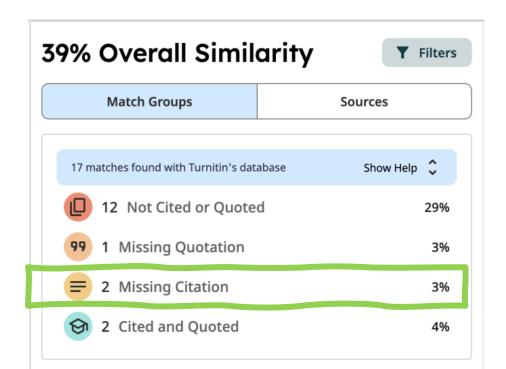
ENVS 131

Environmental impacts of freshwater home aquaria

A rising number of households are embracing the popular pastime of freshwater aquarium keeping. Freshwater aquaria offer a delightful home to a diverse range of aquatic species, including mystery snails, freshwater shrimp, guppies, goldfish, and clownfish. Keeping an aquarium can be a source of relaxation, joy, and education. This essay aims to explore the environmental impacts associated with owning an aquarium, both positive and negative.

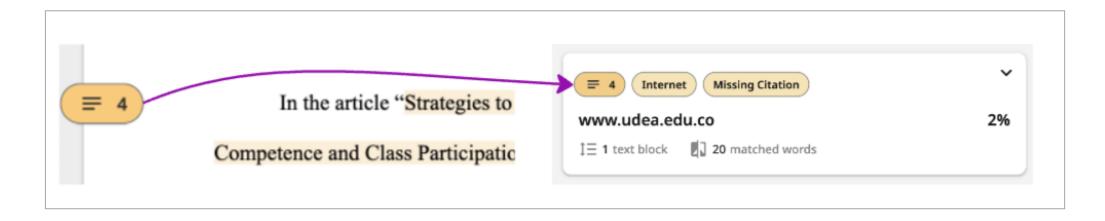
A freshwater aquarium is a receptacle that holds one or more freshwater aquatic organisms for decorative, pet-keeping, or research purposes. For the purpose of this essay, the focus lies on aquaria used for non-research reasons, such as home pet-keeping or ornamentation in public spaces like offices. Species kept in freshwater aquaria may be either coldwater or tropical species, which are generally not mixed due to incompatibilities in







Example: Missing Citation



Match groups Sources Filters Flags



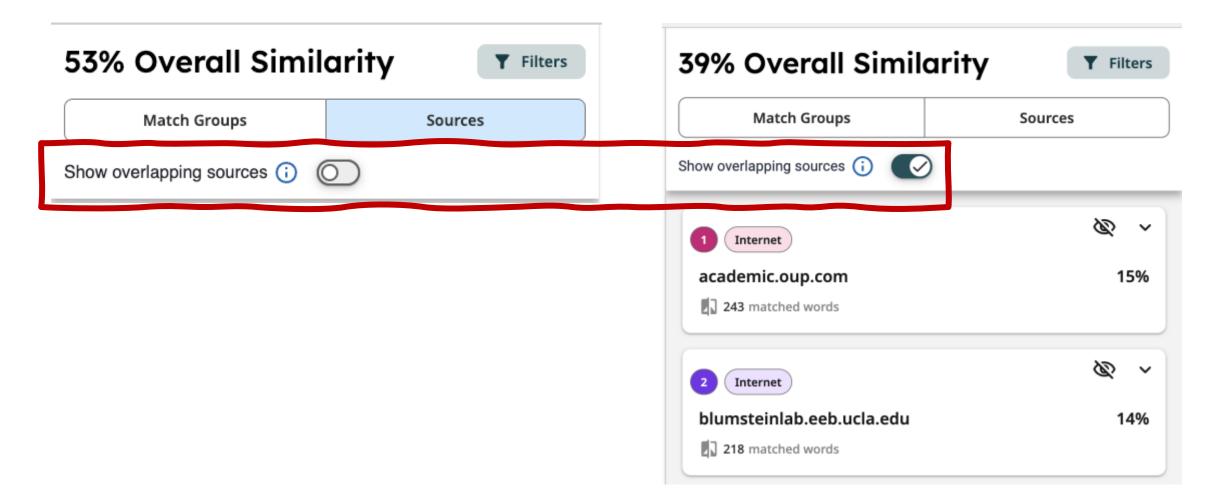
Similarity overview: Sources

30% Overall Similarity **T** Filters **39% Overall Similarity T** Filters Sources Sources -**Match Groups** Sources organized Show overlapping sources (i) Ø order by h Ø 15% Internet 15% academic.oup.com similarity Ø Ø Internet 14% a.edu royalsocietypublishing.org 1 110 matched words

Source: https://guides.ithenticatecom/hc/en-us/articles/27838877807245-Overview-of-the-new-Similarity-Report-experience

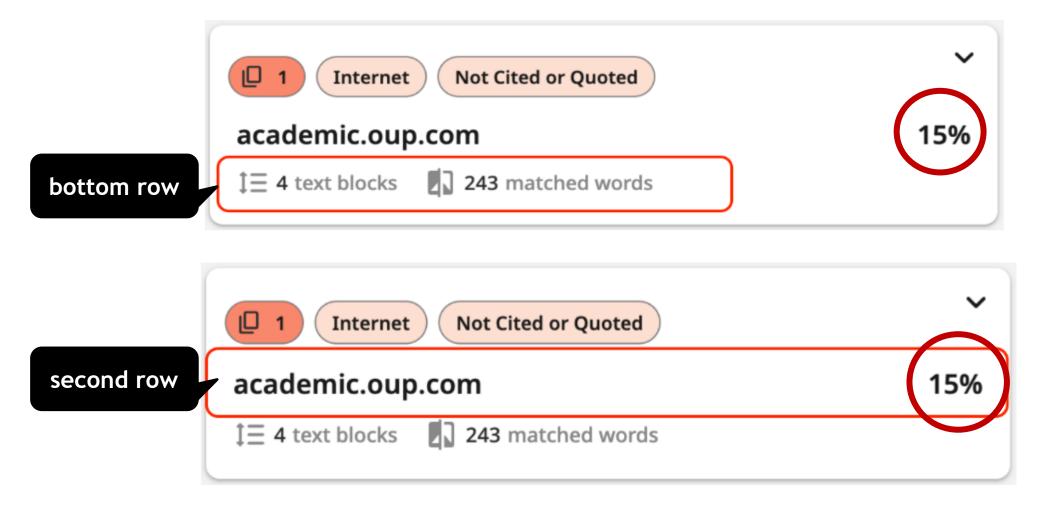








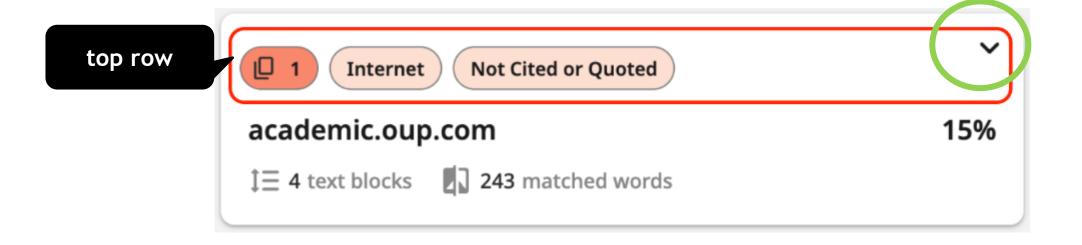
Viewing match details with source cards



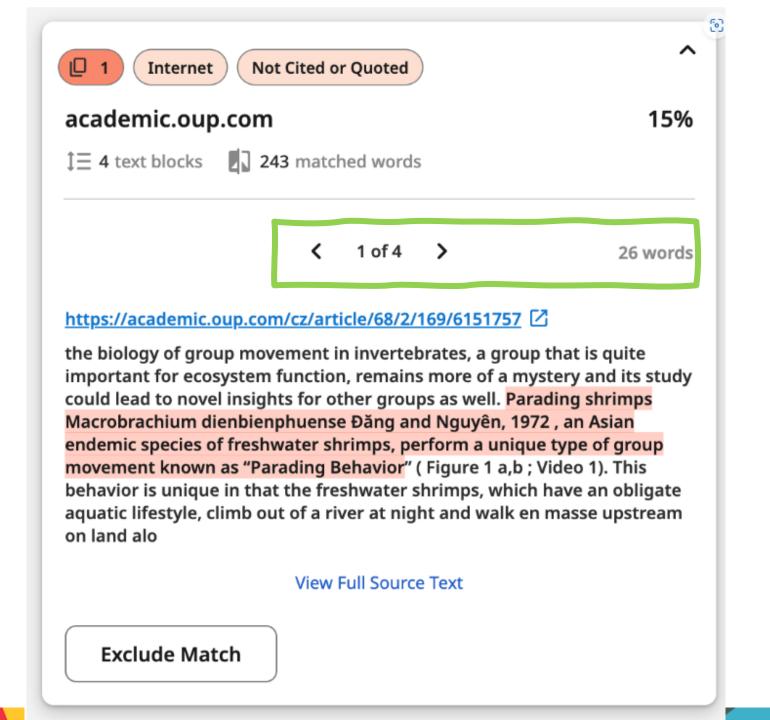
Source: https://guides.ithenticatecom/hc/en-us/articles/27838877807245-Overview-of-the-new-Similarity-Report-experience



Viewing match details with source cards



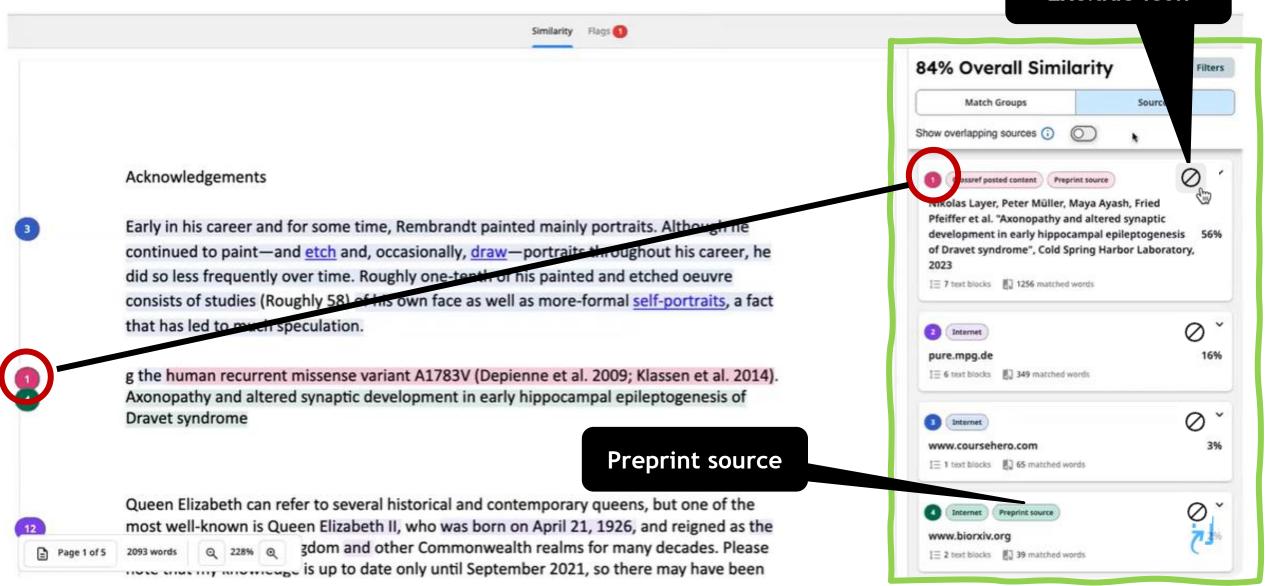






Example: Sources

Exclude icon



47

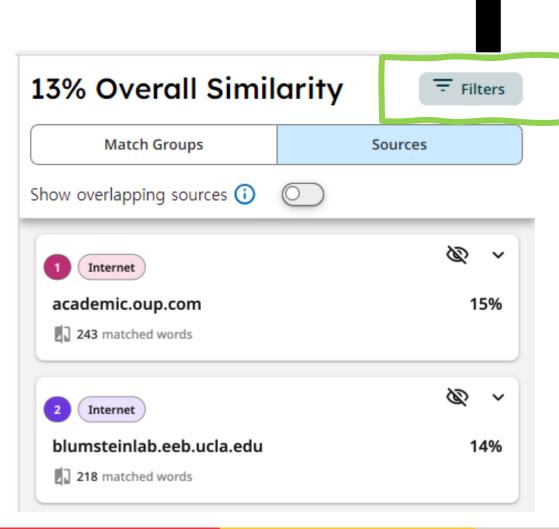
Match groups

Sources

Filters

Flags

Applying filters



Filters

← Back to Similarity Report

14% Overall Similarity

31 Matching Text Blocks

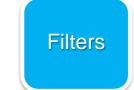
Compare submissions against ?

Select at least one source type to check for similarity.

- Submitted Works
- ✓ Internet content
- Publications
- Crossref
- Crossref posted content

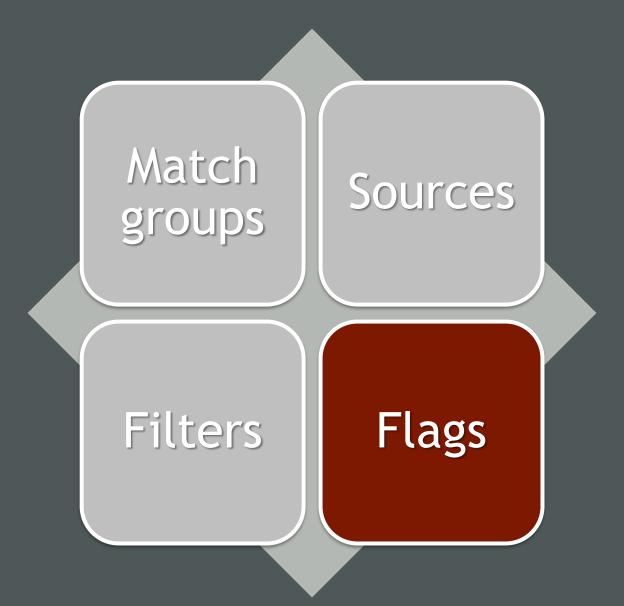
Exclusion filters ?

- Exclude bibliography
- Exclude quoted text
- Exclude cited text
- Abstract
- Methods and Materials
- Exclude small matches



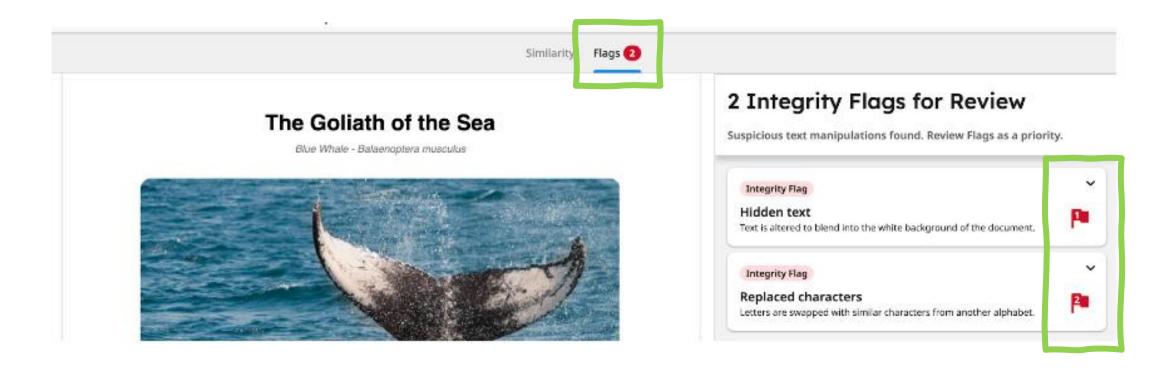
Applying filters

Exclusion filters ②	
	Exclude bibliography
	Exclude quoted text
	Exclude cited text
	Abstract
	Methods and Materials
\checkmark	Exclude small matches
Set match exclusion threshold	
8 Words	





1) Flags tab and side panel



Source: https://guides.ithenticatecom/hc/en-us/articles/27842257510029-Flags

Flags



Similarity

Flags 🚺

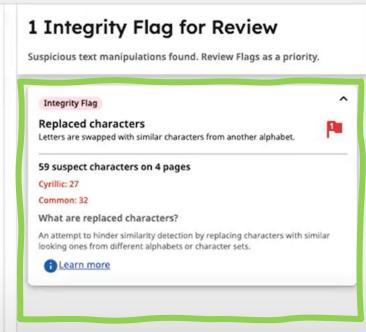
Acknowledgements



Early in his dareer and for some time, Rembrandt painted mainly portraits. Athough he continued to paint—and etchand, occasionally, draw—portraits throughout his dareer, he did so less frequently over time. Roughly one-tenth of his painted and etched oeuvre consists of studies (Roughly 58) of his own face as well as more-formal self-portraits, a fact that has led to much speculation.

g the human recurrent missense variant A1783V (Depienne et al. 2009; Klassen et al. 2014). Axonopathy and altered synaptic development in early hippocampal epileptogenesis of Dravet syndrome

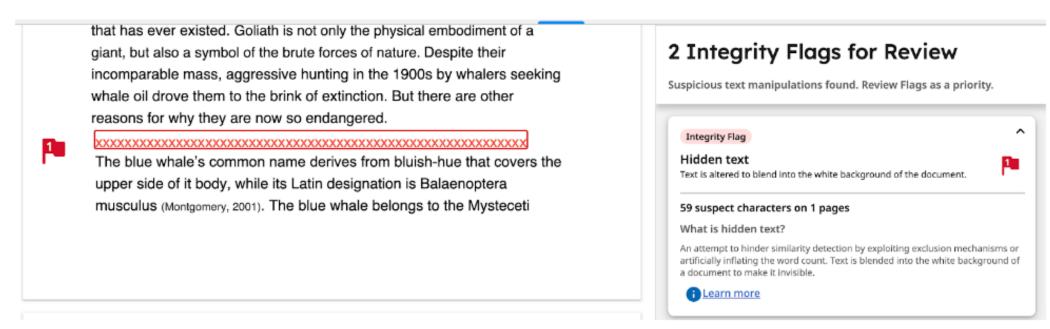
Queen Elizabeth can refer to several historical and contemporary queens, but one of the most well-known is Queen Elizabeth II, who was born on April 21, 1926, and reigned as the Queen of the United Kingdom and other Commonwealth realms for many decades. Please note that my knowledge is up to date only until September 2021, so there may have been developments or changes since then. Here is an overview of Queen Elizabeth II:





2) Hidden text

- Paper mills, to hinder similarity matching
- Commonly found on YouTube, social media
- = Text blended into the white background



Source: https://guides.ithenticatecom/hc/en-us/articles/27842257510029-Flags

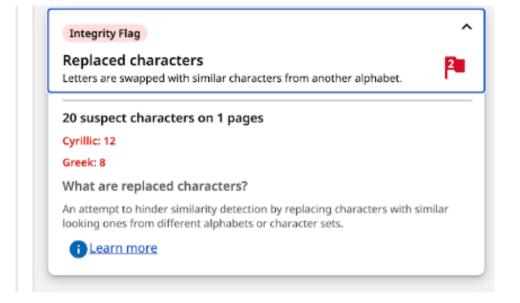


3) Replaced characters



The majestic blue whale, the goliath of the sea, certainly stands alone within the animal kingdom for its adaptations beyond its massive size. At 30 metres (98 ft) in length and 190 tonnes (210 short tons) or more in weight, it is the largest existing animal and the heaviest that has ever existed. Goliath is not only the physical embodiment of a giant, but also a symbol of the brute forces of nature. Despite their incomparable mass, aggressive hunting in the 1900s by whalers seeking whale oil drove them to the brink of extinction. But there are other reasons for why they are row so endangered.

The blue whale's common name derives from bluish-hue that covers the



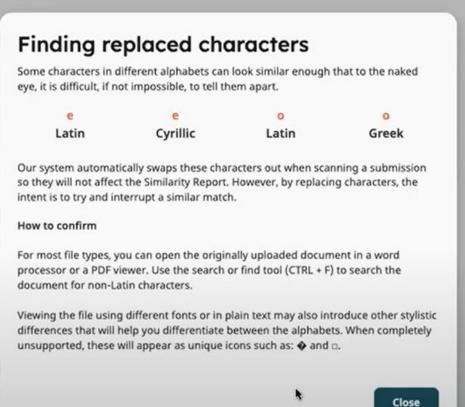


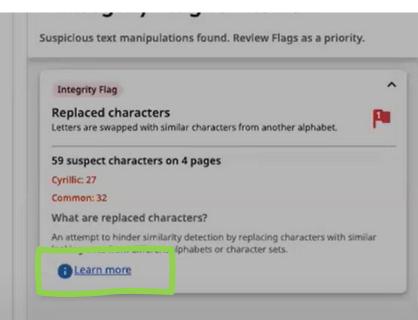
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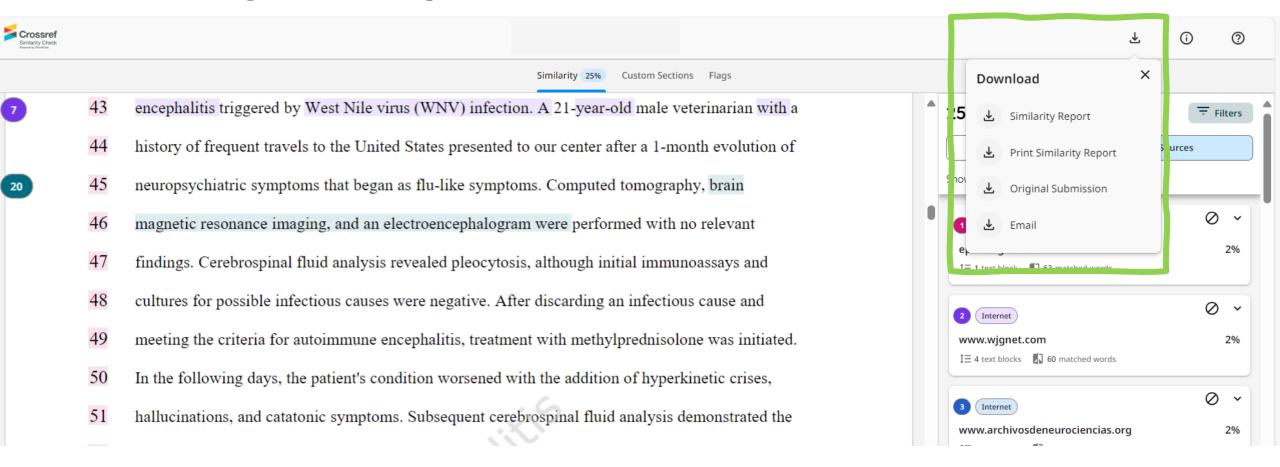
een Elizabeth can refer to several histor st well-known is Queen Elizabeth II, who een of the United Kingdom and other C





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Sharing the Report



Sharing the Report

- first page of Similarity Report iThenticate v2



Similarity Report ID: oid:3618:61269453

PAPER NAME

AUTHOR

WORD COUNT

CHARACTER COUNT

3019 Words

20067 Characters

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18 Pages

2.1MB

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REPORT DATE

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Jun 12, 2024 10:50 AM GMT+9

25% Overall Similarity

The combined total of all matches, including overlapping sources, for each database.

22% Internet database

22% Publications database

Crossref database

Crossref Posted Content database

0% Submitted Works database

How to use Similarity Reports

- High degree of overlap is sometimes fine
 - Preprint by the same authors
 - References to existing work (as long as referenced properly, this is fine)
 - Descriptions of methods etc
- Checking for similarity, not plagiarism



If you want to know more...

Similarity Check

https://www.crossref.org/services/similarity-check/



Similarity Check: what's new with iThenticate v2?

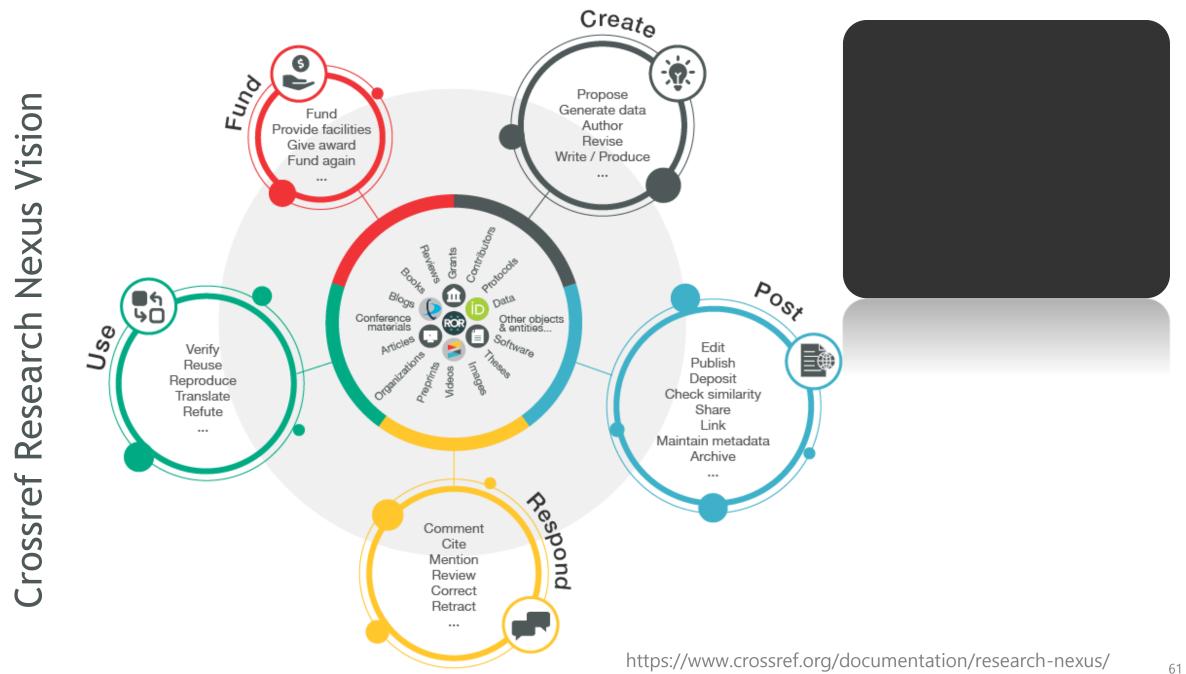
https://www.crossref.org/blog/similarity-check-whatsnew-with-ithenticate-v2



Overview of the new Similarity Report experience https://help.turnitin.com/originality-check/new-similarity-report/new-

https://help.turnitin.com/originality-check/new-similarity-report/new-report-experience.htm







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Terima kasih!

Yera Hur PhD

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med_edu@naver.com

