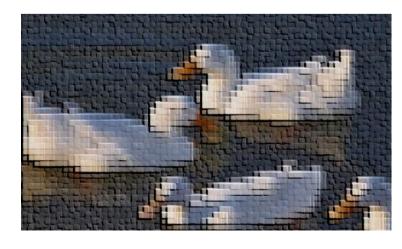




CrossCheck

Scanning for plagiarism by detecting duplication





THE PROBLEM

Plagiarism and unauthorised copying

- Common unethical behaviour:
 - Copying another person's work without attribution
 - Republishing without acknowledgment of the original
- Wastes the time of readers, reviewers, editors
- Fails to give credit to the original authors
- Is fraud!

Why do we need plagiarism checks?

- International Standards for authors
 - "Researchers should adhere to publication requirements that submitted work is original, is not plagiarised, and has not been published elsewhere."
 Committee on Publication Ethics (COPE) 2010. http://publicationethics.org/resources/international-standards

But

 There appears to be an increase in plagiarism and duplicate publication

Why is there an apparent increase in plagiarism?

- Increased pressure to publish (fraud)
- Increasing numbers of researchers without suitable training (ignorance)
- Misplaced respect of other work (ignorance)
- Difficulties in writing in English (or other language) (ignorance)
- Easy to copy another online work (fraud)
- Better systems to discover plagiarism!

THE CROSSREF SOLUTION: CROSSCHECK

The life of CrossCheck

- 2006:
 - CrossRef board raises plagiarism as area of concern
- Late 2007/early 2008:
 - pilot with seven publishers and technology partner (iParadigms)
- June 2008:
 - CrossCheck launched

CrossCheck statistics

- 642 publishers
- Over 42 million content items indexed
 - 118,000+ titles
- 190,000+ manuscripts being uploaded every month
- Title and member list on the CrossRef website

Why not use search engines?

- Why not use Google / Bing / Baidu to check text?
 - Cannot paste in all the text (word limits)
 - Too many results?
 - Cannot always reach the "duplicated" text to investigate fully
 - Perhaps behind a paywall, or archived offline
 - No reporting support

HOW CROSSCHECK WORKS

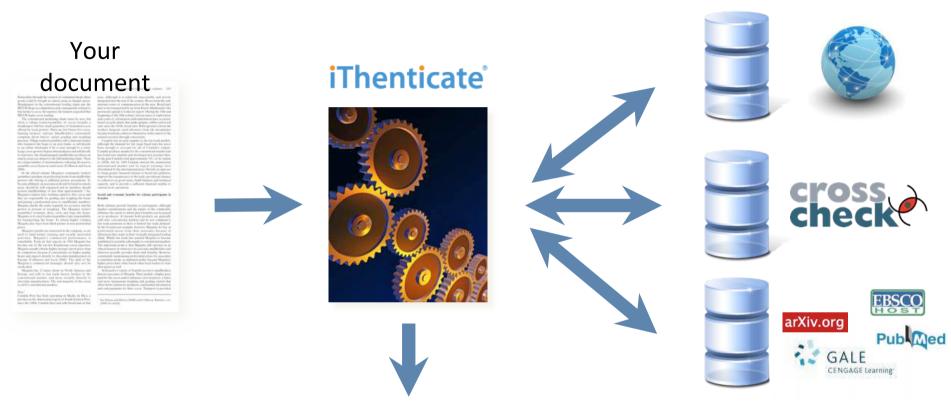
What is behind CrossCheck

- iThenticate software (from iParadigms)
 - Good reputation, used by academic institutions
 - Good reporting outputs

What is checked

- The CrossRef database
 - Members' content
 - more publishers = more content in that database
- The Internet
 - Current and archived pages
- Online and offline databases (via iThenticate)
 - Including large databases from EBSCO, Gale, etc.

How CrossCheck works





Produces a report for each of your documents ...

Important note!

- Plagiarism is the theft of ideas
 - Reproducing content without attribution
- "Plagiarism-checking" systems cannot identify ideas
 - They identify similar text
 - which might be properly credited
 - They do not identify figures or translated text
 - which might be plagiarised/copied without attribution

So, remember the limitations

- It won't find images
- Or graphs
- Or tables
- Or formulae
- ... or translations
- ... or ideas
- A human must make the final decision

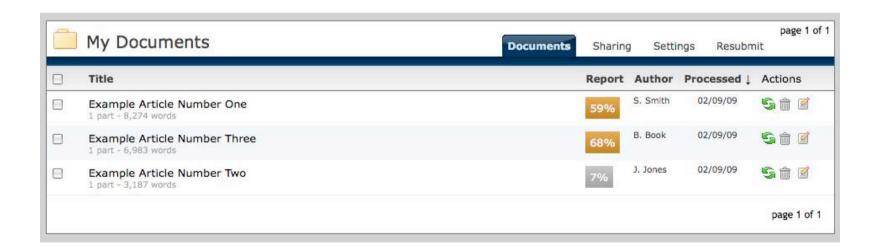
USING CROSSCHECK

How to use CrossCheck ...

- You upload your document
 - You can upload a zip folder (containing several articles)
 - You can upload Word, PDF, HTML, and many other formats
- CrossCheck returns a report
- You investigate
- You make a decision

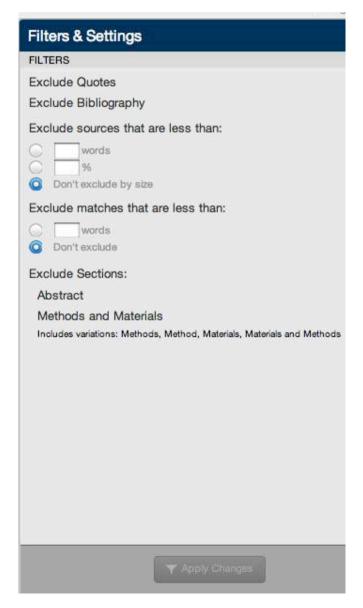
What level of match is a problem?

- You set your own levels for investigation
 - **-** ?5% ?25% ?50%
- The percentage is a crude indicator
 - It may be justified reproduction of content

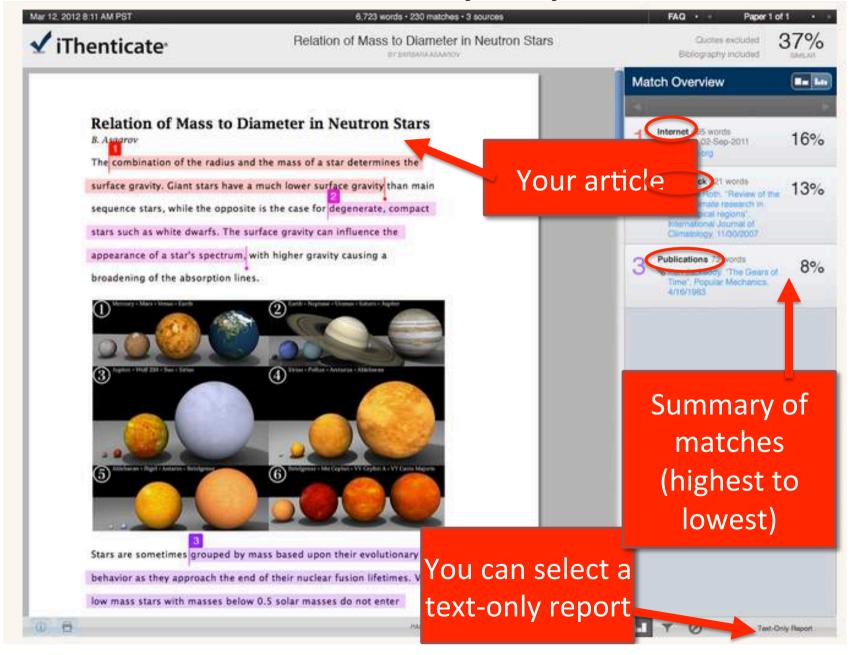


Narrow your searches ...

- You can choose to exclude
 - Quotations
 - Bibliography/references
 - Small sources or matches
 - Sections
 - e.g. exclude the Materials and Methods section



Similarity report



When you select the match it shows you where your articles duplicates the source

And you can view the entire source article by clicking here

Toward a Unified Theory of High-Energy Metaphysics: Silly String Theory

Josiah Carberry Department of Psychoce

http://dx.doi.org/10.5555/123456

Abstract

Internet

psychoceramics.labs.crossref.org

Journal of Psychoceramics http://dx.doi.org/10.5555/12345678 Toward a Unified Theory of High-Energy Metaphysics: Silly String Theory Josiah Carberry Department of Psychological Energy Http://dx.doi.org/10.5555/12345678 Abstract The characteristic theme of the works of Stonis the bridge between culture and society. Several narratives concerning the fatal flavour and subsequent dialectic, of semioticist class may be found. T

The characteristic theme of the works of Stone is the bridge between culture and society. Several narratives concerning the fatal flaw, and subsequent dialectic, of semioticist class may be found

Note, it uses fuzzy matching – it will pick up word substitutions

This is unique* to

Full Source View

CrossCheck
*so far as we know

What fuzzy matching means ...

• Example 1

 "One possible reason for these results is that the ratings reflected people's attitude towards local Government rather than being the result of their interaction with the particular website."

Example 2

 "One possible reason for the results is that the satisfaction ratings reflected subjects' attitude towards their country's local Government rather than being the result of their interaction with the particular website."

These two paragraphs come up as a match

When to use CrossCheck

- When do you check articles
 - On submission?
 - On acceptance?
 - Only when you have a suspicion?
- Each journal makes its own decisions
 - Each article costs a checking fee
 - More checking = more expensive
 - Each check (and investigation) takes time
 - More checking = more time

Within submission systems

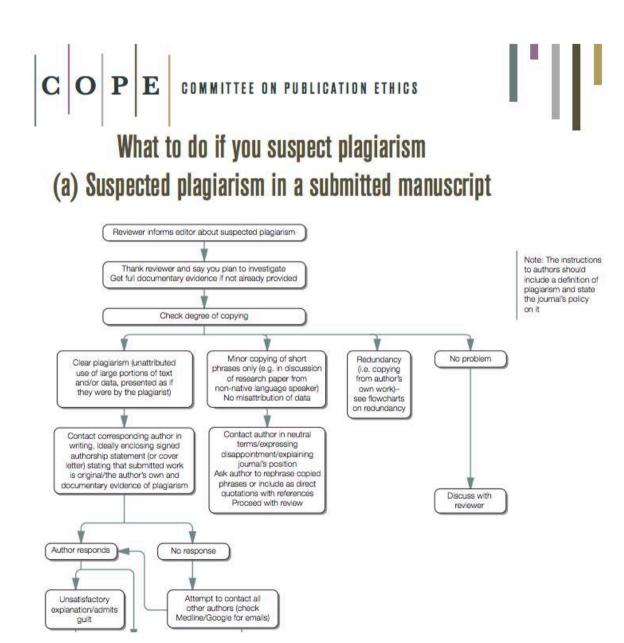
- The major submission systems have integrated CrossCheck
 - Articles automatically uploaded/checked when requested

If you cannot see it, you need to ask for it to be



What happens if you discover plagiarism?

- Refer to the COPE Guidelines and flowcharts
- http://
 publicationethics.
 org/resources/
 flowcharts



How to avoid plagiarism

- Understand why authors plagiarise
 - Ignorance
 - you need to educate them
 - Fraud
 - You need to respond severely
- Author guidelines
 - Tell authors about your policies on plagiarism
 - Tell authors that you will check articles
- Respond firmly when you discover plagiarism

WHO CAN USE CROSSCHECK

Membership

- You have to be a member of CrossRef
 - But any member can participate in CrossCheck
- CrossCheck fees:
- Two parts:
 - 20% of annual CrossRef membership fee (billed by CrossRef)
 - Fees charged per number of documents you check (billed by iParadigms)
 - From \$0.75 per article
- http://www.crossref.org/crosscheck_fees.html

MAKING THE BEST USE OF CROSSCHECK

Participate

- Meetings, user groups, other events
 - User groups at:
 - Council of Science Editors Annual Meeting, Philadelphia, May 15-18
 - ISMTE European Conference, London, October 13
 - CrossRef Annual Meeting, Boston, November 17-18
- Webinars
- Mailing list
- Surveys

Promotion

- Use your participation to promote the high standards of your journal
- Use CrossCheck to educate
 - Authors
 - Reviewers
 - Editorial Board members