Assignment No. : 02

Problem Statement: Consider a journal article in your discipline thapt was published approximately five years ago.

1. Note the keywords and type them into one of the web-based academic search engines.
2. Does the original article appear in the search results?
3. How many citations does this article have?
4. Have the same authors published further work in this field?
5. Compare the citations of this paper with those from the most highly cited paper in the search results?
6. How many citations does this highly cited article have?
7. If this paper was published before your original article, is it cited in your article?
8. Do you think this high-cited paper should have been listed as a reference in your original article? Give reasons for your decision.

Theory:

Citation: A citation is when one paper explicitly refers to another paper. Usually there is some kind of indication in the text of the paper, and then the full reference is given in the bibliography.

Citations are important for a couple reasons. One is that they are how authors give proper credit to the work and ideas of others. People also count citations *to* a paper as an indication of how important or influential the paper has been.

The usage of the citation is determined to depict the direct reference of the author and protect his copyright. It is applied when the direct speech from other research paper is required to be inserted in the text to give more contextual sense.

Purpose of Citation: The purpose of a citation is usually to provide support or evidence for what you are saying; it tells the reader where this support or evidence can be found, and it typically does this by providing a reference to a bibliography, a list of detailed bibliographic information provided at the end of your document.

Solutions:

Journal Article: Visual Cryptography for Biometric Privacy

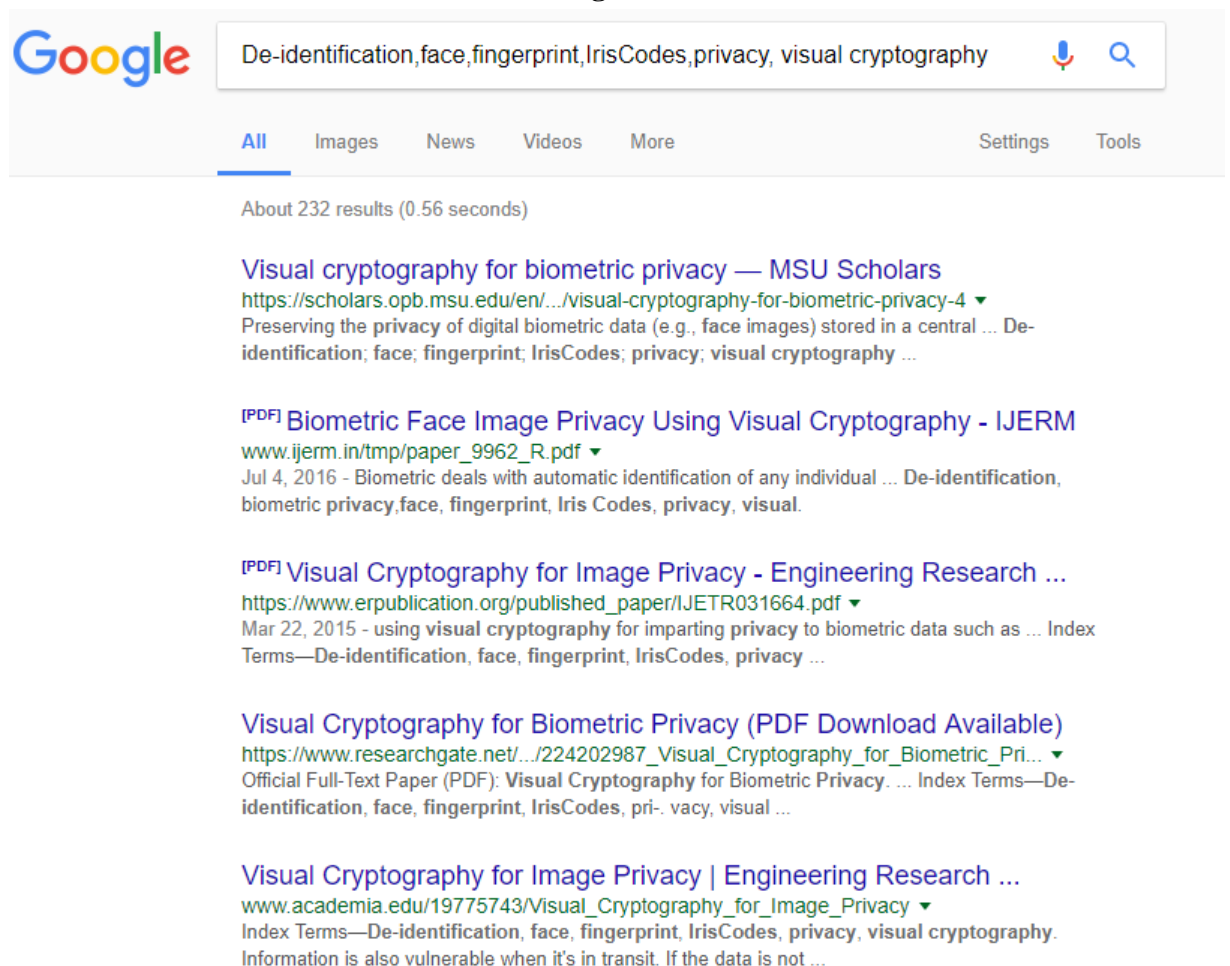**Published in:** IEEE Transactions on Information Forensics and Security

Author: Arun Ross, Senior Member, IEEE, and Asem Othman, Student Member, IEEE

Date of Publication: March 2011

1. **Note the keywords and type them into one of the web-based academic search engines.**
   ➔ **Keywords are** De-identification, face, fingerprint, IrisCodes, privacy, visual cryptography.
      - **Result shown in web-based search engine:**

2. Does the original article appear in the search results?

➔ Yes, the "Visual Cryptography for Biometric Privacy, Arun Ross, *Senior Member, IEEE*, and Asem Othman, *Student Member, IEEE* ,2011" article appears in the search results.

3. How many citations does this article have?

➔ **Citations :** 117

Visual cryptography for biometric privacy
A Ross, A Othman - IEEE transactions on information forensics ..., 2011 - ieeexplore.ieee.org
Abstract: Preserving the privacy of digital biometric data (eg, face images) stored in a central database has become of paramount importance. This work explores the possibility of using visual cryptography for imparting privacy to biometric data such as fingerprint images, iris codes, and face images. In the case of faces, a private face image is dithered into two host face images (known as sheets) that are stored in two separate database servers such that ...
☆ ⁹⁹ Cited by 117 Related articles All 15 versions

4. Have the same authors published further work in this field?

➔ Yes, the same authors published further work in this field.

i. Mixing fingerprints for generating virtual identities (2011) , Asem Othman *Lane Department of Computer Science and Electrical Engineering, West Virginia University, USA* and Arun Ross *Lane Department of Computer Science and Electrical Engineering, West Virginia University, USA*

ii. On mixing fingerprints (2013), Asem Othman *Dept. of Comput. Sci. & Electr. Eng., West Virginia Univ., Morgantown, WV, USA* and Arun Ross *Dept. of Comput. Sci. & Electr. Eng., West Virginia Univ., Morgantown, WV, USA*

5. Compare the citations of this paper with those from the most highly cited paper in the search results?

➔

6. How many citations does this highly cited article have?

→ **Citations** : 1012

7. If this paper was published before your original article, is it cited in your article?

→ Yes, the "Biometrics: A Tool for Information Security,2006" this high cited paper was published before "Visual Cryptography for Biometric Privacy,2011" this original article and it is cited in our article.

8. Do you think this high-cited paper should have been listed as a reference in your original article? Give reasons for your decision.

→ Yes, this paper authors have reference of one another article by same authors which was published in 2006 on enabling secure applications through Biometrics: A Tool for Information Security by Anil K. Jain, *Fellow, IEEE*, Arun Ross, *Member, IEEE*, and Sharath Pankanti, *Senior Member, IEEE*.

→ Reason for the answer is that, this paper deals with preserving the privacy of digital biometric data and the high-cited paper deals with authorization and examining applications where biometrics can solve issues pertaining to information security.

Conclusion: In this article you learned a simple process for using Word's Citations and Bibliography feature to greatly simplify the process of writing a research paper.