

Screening plagiarism and duplicate publication by using CrossCheck

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CrossRef



❖ CrossRef

- Official DOI (Digital Object Identifier) registration agency
- Facilitates the links between content hosted at other sites (Not providing a database of full text scientific content)
- Launched in early 2000 as a cooperative effort among publishers
 - Currently, 4,169 publishers and societies
 - Around 50,000,000 content items with DOIs

CrossRef



❖ CrossRef (Cont'd)

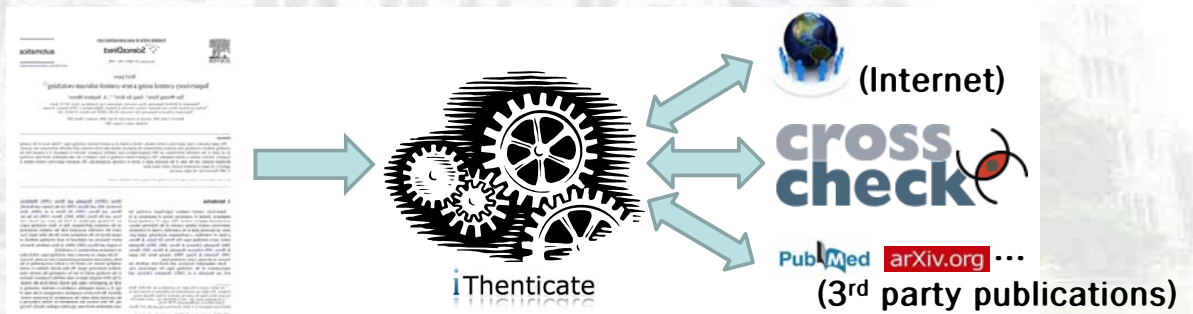
- DOI as permanent link
 - Name: prefix/suffix
 - URL: <http://dx.doi.org/prefix/suffix>
 - Example: Automatica by Elsevier
Name: 10.1016/j.automatica.2007.03.001
URL: <http://dx.doi.org/10.1016/j.automatica.2007.03.001>
- People
 - 18 staff (5 UK, 13 USA)
 - 16 person Board of Directors (Publishers)
 - Working groups & committees

CrossCheck

❖ CrossCheck

- Service by CrossRef to help its members engage in efforts to prevent plagiarism
- Powered by iThenticate (Launched in 2008)

❖ CrossCheck Service = DB + iThenticate tool



CrossCheck

❖ CrossCheck Service (Cont'd)

- Software that analyses and compares text
- Database of content to check text against

❖ iThenticate: a commercial product by iParadigm



Established in 1996

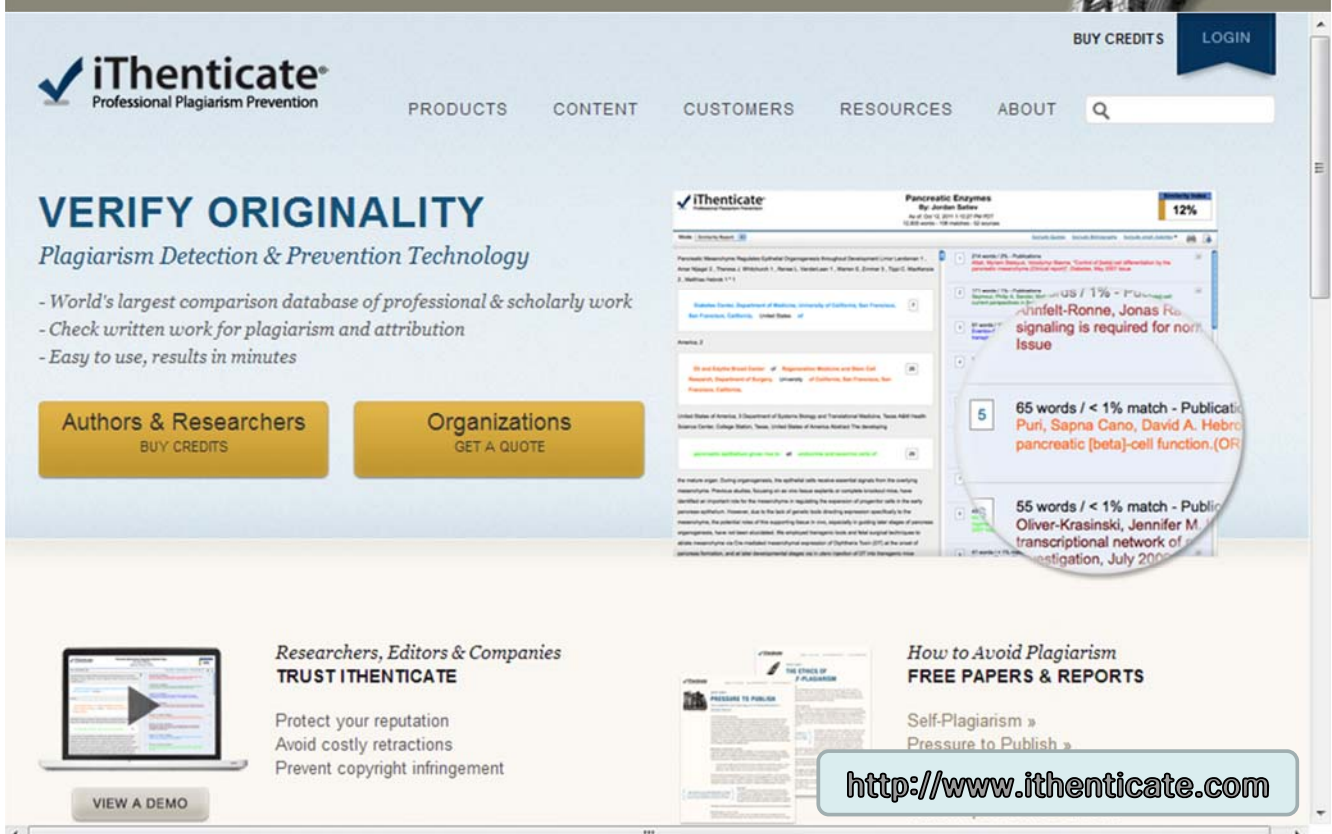
9,500 schools, colleges, and universities worldwide

Using CrossCheck

❖ CrossCheck service is only available to CrossRef members depositing DOIs

- CrossCheck members benefit from a tailored service including read-only access to the full text of articles in the CrossCheck DB
- CrossCheck can be integrated into publishers' web pages
- Pricing
 - Annual admin fee: 20% of CrossRef membership fee
 - Per-document checking fee: \$0.75~\$0.25

Using CrossCheck



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Female (C57BL/6XC3H) F1 (B6C3F1) mice maintained in the Korea Research Institute of Bioscience and Biotechnology (Daejeon, Korea) were used in all experiments. Mice weighing 25-35 g were used as the source.

Sheep red blood cells (sRBCs) were obtained from Korea Media Co., Ltd (Seoul, Korea). Guinea-pig complement and RPMI 1640 were purchased from Gibco BRL (Grand Island, NY, USA). Lipopolysaccharide (LPS) and carrageenan were purchased from

General analytical methods. Protein was determined by the procedure of Lowry et al. (1951) using bovine

1

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[Kim, D.I., "Regulation of IGF-I production and proliferation of human leiomyoma smooth muscle cells by Scutellaria barbata D. Don in vitro: isolation of flavonoids of apigenin and luteolin as acting compounds". Toxicology and Applied Pharmacology, 20050615](#)

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[Won-Hwan Park, "Effects of the Geiji-Bokryung-Hwan on Carrageenan-Induced Inflammation in Mice and Cyclooxygenase-2 in Hepatoma Cells of HepG2 and Hep3B". Immunopharmacology and Immunotoxicology, 2004](#)

3

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[M. Jang, "Cancer Chemopreventive Activity of Resveratrol, a Natural Product Derived from Grapes". Science, 01/10/1997](#)

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[Won-Hwan Park, "Tumor Initiation Inhibition Through Inhibition COX-1 Activity of a Traditional Korean Herbal Prescription, Geiji-Bokryung-Hwan, in Human Hepatocarcinoma Cells". Immunopharmacology and Immunotoxicology, 7/1/2005](#)

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shown. When HOC cells were treated with SB, the expression of cyclooxygenase-2 was inhibited. These data

suggest that SB merits investigation as a potential cancer chemopreventive agent in humans, especially in

gynecological cancers. Copyright © 2006 John Wiley & Sons, Ltd. Keywords: Scutellaria barbata D. Don (Lamiaceae); cell proliferation; chemoprevention; gynecological cancer cells; tumorigenesis; mouse skin cancer.

INTRODUCTION

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Cancer is the largest single cause of death in both men and women, claiming over 6 million lives each year worldwide. Chemoprevention, the prevention of cancer by ingestion of chemical agents that reduce the risk of carcinogenesis

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of SB in mammary cancer cells. The main feature of models derived from an experimental system is of a discrete, ordered series of changes to which terms such as initiation, promotion, progression and immortality can be applied. Progression in invasion and metastasis but these fundamental features of human cancer occur infrequently in primary animal tumors. The

process of chemical carcinogenesis can be divided into three general stages, and chemopreventive agents have been categorized according to the stage that they inhibit

(Wattenberg, 1993). Our extract inhibits

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cellular events associated with tumor initiation, promotion and progression. The SB was identified on the basis of its ability to inhibit the cyclooxygenase activity of COX-1 (median effective dose

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1. Structure of resveratrol. [View Larger Version of this Image (7K GIF file)]

The

process of chemical carcinogenesis can be divided into three general stages, and chemopreventive agents have been categorized according to the stage that they inhibit

(6). Resveratrol inhibits

cellular events associated with tumor initiation, promotion, and progression. As noted above, the compound was identified on the basis of its ability to inhibit the

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 - Korean is not yet supported
- ❖ CrossCheck is intended to increase trust!

References



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 - ❖ <http://www.crossref.org/crosscheck/index.html>
 - ❖ Pre-recorded introduction to CrossCheck webinar
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 - ❖ iThenticate User Manual
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 - ❖ 권오운, What is CrossCheck, 익편업 세미나 자료
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