Using Citation Databases to Explore Your Research Topic

March 2019
Citation Databases

- Collections of information of scholarly and scientific materials in electronic format, e.g.
  - Journal papers
  - Books
- Contain bibliographic information of each entry, e.g.
  - Title
  - Author
  - Year of publication
  - Descriptors / Keywords
- Include cited references and cited by references
- Thus, useful to follow up a particular topics or explore related topics
Investigate how the functions of those citation databases help to explore our research topics.
Web of Science Core Collection

- Social Sciences Citation Index
- Arts & Humanities Citation Index
Overview

- Focus more on information and analysis at article level
- Online subscription-based scientific citation indexing service and database
- Provides access to bibliographic information of scientific and scholarly literature
- Provides links to full-text if the full-text is subscribed by the institute
- Helps to explore research topics based on citation data
- Gives analytical functions to evaluate articles based within a particular query
Help Answering Questions Like......

- What is the most highly cited article on Education Policy?
- Which journal has the highest number of articles on Sociolinguistics?
- Who are the top researches in Chinese Politics?
- How many times my journal articles are cited?
- Which subject categories contain most of the works in a particular topic?
- Which are the related articles of my papers?
Citation Indices Coverage

- Science Citation Index
- Social Sciences Citation Index
- Arts & Humanities Citation Index
- Book Citation Index
- Emerging Sources Citation Index

Subscribed by EdUHK Library
Social Sciences Citation Index (SSCI)

Coverage

• Multidisciplinary index to literature of social sciences
• Over 3,200 journals across 55 social science disciplines, and
• Selected items from 3,500 of the world’s leading scientific and technical journals
• Time: 1900 to present

Examples of Subject Categories

- Cultural Studies
- Education & Educational Research
- Education, Special
- Environmental Studies
- Ethics
- Family Studies
- History
- Linguistics
- Psychology, Applied
- Psychology, Educational
- Psychology, Social
- Social Sciences, Interdisciplinary
Arts & Humanities Citation Index (A&HCI)

Coverage

- Multidisciplinary index to literature of arts and humanities
- Over 1,700 arts and humanities journals
- Over 250 scientific and social sciences journals
- Time: 1975 to present

Examples of Subject Categories

- Art
- Asian Studies
- Cultural Studies
- Folklore
- History
- Language & Linguistics
- Literature, American
- Literature, British Isles
- Literature, Romance
- Music
- Philosophy
- Religion
Practice

Managing functions in:
- Search
- Results
- Related Records

Analysing Tools
- Analyse Results
- Citation Reports

Cited Reference Search
Managing Functions In:

- Search
- Results
- Related Records
Getting Started – Basic Search

Example:

finding articles related to Knowledge Management applied in Educational Setting

Add more search field here
Refining & Sorting Results

E.g. selected “Education Educational Research” & “Education Scientific Disciplines” to narrow down the results within these two categories.

Number of record of a category within your search gives you idea that which categories can provide more literature in your interest topics.
Using Wiki in teacher education: Impact on knowledge management processes and student satisfaction

By: I. Rozetti, M. Katsari, N. Hoyle [1][2], E. Doghany, H. H. Doghany, Rebuf [2]
View ResearchCited by ORCID

COMPUTERS & EDUCATION
Volume: 51 Issue: 2 Pages: 853-872
DOI: 10.1016/j.compedu.2011.05.009
Published: NOV 2011
Document Type: Article

Abstract
The current study reports on the use of Wiki as an online didactic tool to develop knowledge management (KM) processes in higher education. This study integrates social constructivist principles to learning where learners are pro-active and collaborative through higher order cognitive processes. The study was administered in two countries, namely Egypt and Italy, to close a gap in the literature with an aim to introduce KM principles in teacher educational programmes. These processes are seen as necessary for teachers' professional skills. Such processes are claimed to enable teachers and therefore schools to evolve in a networked information-driven global society, especially as the complexity of subject knowledge is increasing. It is also a learning experience where teachers learn how to provide these students with educational settings where technology is enabled.

Throughout the study, 27 Egyptian students and 36 Italian students participated in online activities and developed interdisciplinary projects for the primary and preparatory stages, while collaborating in a Wiki experience within Moodle platform. The study followed a mixed methods approach that consisted of both quantitative and qualitative data. The authors developed several instruments in order to measure both processes and outcomes of the six-week online activities. This current study is reporting on the use of two closed question instruments and one open question instrument. These were: Knowledge Management Questionnaire (KMQ), Student Satisfaction Questionnaire (SSQ) and a Reflection Questionnaire (RQ). Data were analysed using statistical analysis and inductive content analysis. Results indicate that responses on the KMQ were all well above the 70%, and fulfilled the five processes of KM and participants were highly satisfied. The results suggest that Wiki can develop teachers' knowledge management processes and fulfill students' satisfaction while collaborating in designing interdisciplinary projects. Future implications and suggestions for teacher education programmes are provided in light of this findings. (c) 2012 Elsevier Ltd. All rights reserved.

Keywords: Knowledge management, Online education, Social constructivism, Wiki collaboration, Interdisciplinary projects, Student satisfaction

Key Functions to Explore More Related Papers:
- Author Keywords
- KeyWords Plus
- Find more records of the author
- Citation Network (publication cited by OR citing articles)
  - All Times Cited Counts
  - Cited Reference & Related Records
  - Most Recently Cited by

Other Key Functions:
- Publication Description
  - i.e. author(s), article title, journal title, date/year of publication, abstract, etc...
- EdLINK and Link to Google Scholar (appearing on results list as well)
- Web of Science Usage Count
Citation Network

- From the function on Citing Articles List:
  - Same as results list:
    - Sorted by Date, Times Cited, Usage Court
    - Refine results
    - Analyze Results
    - Create Citation Report
  - Times Cited Counts in different databases
Related Records

- Identify similar articles
- Ranking of Related Records (Relevance) – Assumption based on
  - subject relations
    - the more cited references two articles share (i.e. Shared References), the closer the subject relationship
  - contain same terms in
    - titles
    - abstracts
    - keywords
Exercise 1

1. Search for topics: social and cognitive development
2. Refine with keywords “language” and “school”
3. Limit to “Article” document

- How many records found?
- Which is the most highly cited record?
- How many times this most highly cited article is cited?
Analysing Tools

- Analyse Results
- Citation Reports
Analysing Results

- Results can be analyzed by:
  - Web of Science Categories
  - Publication Years
  - Document Types
  - Organizations-Enhanced
  - Funding Agencies
  - Authors
  - Source Titles
  - Countries / Regions
  - Languages
  - Research Areas, etc.

- Visualization
  - Treemap / Bar Graph
Citation Report of Results

Report of your search results contains:

- Total Publications per Year
- Sum of Time Cited
- Sum of Time Cited per Year
- h-index
  - based on a list of publications ranked in descending order by the Times Cited count
- Citing articles
- More.....
Exercise 2

Search for articles with topic “mobile learning”

1. Analyse Results
   - How many articles are found?
   - What is the source title with the highest no. of publications?
   - How many percentage of articles are published in 2017?

2. Create Citation Report
   - How many times these articles have been cited?
   - What is the average citations per year received by the top article?
Cited Reference Search
Cited Reference Search

- Give details on how a known idea has been evolving in the literature of one or more fields
- Used to find the articles that cite a person’s work
  - I want to know how many times Gray, PH has been cited
  - and, what are those citing articles

STEP 1
Cited Reference Search

Step 2: Select references and click “Finish Search.”

Results List

Run functions of “Analyze Results” and “Create Citation Report” for more insights into these results.
Other
Frequently
Used
Functions
You May
Investigate

- Search History
- Search Alert
- Marked List
- Export to bibliographic management tools; i.e. RefWorks
- Download Reports
- More......
Know More about Web of Science Core Collection

- Search Rules / Tips
  http://images.webofknowledge.com/WOKRS530AR16/help/WOS/hs_search_rules.html

- Web of Science Core Collection
  http://clarivate.libguides.com/woscc

- Web of Science Core Collection Help – Index

- A&HCI – Journal List
  http://mjl.clarivate.com/cgi-bin/jrnlst/jloptions.cgi?PC=H

- SSCI – Journal List
  http://mjl.clarivate.com/cgi-bin/jrnlst/jloptions.cgi?PC=SS
Scopus
Overview

Largest abstract and citation database of peer-reviewed literature

Coverage:
• Data from over 5,000 publishers

Type:
• Journals
• Books
• Conference proceedings
• Patents

Over 69 million records, includes:
• 62.4+ million records post 1969 with references
• 6.6+ million records pre-1970, with the oldest record dating back to 1788
• Over 39 million patent records
• Over 12 million author profiles
• Over 70,000 main intuitional profiles
Practice

Managing functions in:
- Search Results

Analysing Tools
- Analyze Research Results (Result Level)
- Metrics (Article Level)
- Author Details (Author Level)
Managing Functions In:

- Search
- Results
Getting Started - Basic Search

Scopus

Document search

Search
"creative industry" economy
× Article title, Abstract, Keywords

Add more search field here

Search Q

Documents Authors Affiliations Advanced

Limit

Register Login

E.g., "Cognitive Architectures" AND robots
Refine and Sorting Results on **Results List**

<table>
<thead>
<tr>
<th>Document Title</th>
<th>Author(s)</th>
<th>Year</th>
<th>Journal</th>
<th>Volume</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Character...</td>
<td>Magnotti, F.</td>
<td>2018</td>
<td>Journal of Economic Geography</td>
<td>2015, 149</td>
<td>721</td>
</tr>
<tr>
<td>Creative...</td>
<td>Sato, G.</td>
<td>2019</td>
<td>Journal of Economic Geography</td>
<td>2015, 149</td>
<td>721</td>
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<tr>
<td>Creative...</td>
<td>Meldes, C.</td>
<td>2020</td>
<td>Geographical Analysis</td>
<td>2015, 149</td>
<td>721</td>
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<td>Creative...</td>
<td>Mori, T.</td>
<td>2021</td>
<td>The Creative Economy: Culture and Policy</td>
<td>2015, 149</td>
<td>721</td>
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<tr>
<td>Self-and-creative...</td>
<td>Takakura, Y.</td>
<td>2018</td>
<td>Research Development Trends</td>
<td>2015, 149</td>
<td>721</td>
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<td>Innovation...</td>
<td>Lamont, L.</td>
<td>2019</td>
<td>Geographical Analysis</td>
<td>2015, 149</td>
<td>721</td>
</tr>
<tr>
<td>Creative...</td>
<td>Sun, J.</td>
<td>2020</td>
<td>Geographical Analysis</td>
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<td>Creative...</td>
<td>F denies, N.</td>
<td>2021</td>
<td>Geographical Analysis</td>
<td>2015, 149</td>
<td>721</td>
</tr>
</tbody>
</table>
Record Details

Defining the creative economy: Industry and occupational approaches


Abstract

This review examines the role of creative industries in the economy and the creative economy in the context of economic restructuring. The authors analyze the relationship between the creative economy and economic restructuring, and examine the role of creative industries in economic restructuring. They conclude that creative industries play a crucial role in economic restructuring.

Author Keywords

Creative industries, economic restructuring

Indexed Keywords

Creative industries, economic restructuring

Key Functions to Explore More Related Papers:
- Author Keywords
- Indexed keywords
- SciVal Topic Prominence
- Metrics **
- PlumX Metrics **
- Citing Reference
- Cited by
- Related documents

Other Key Functions:
- Publications data
- EdLINK
- Download / Save to PDF (if full-text provided)
- Add to list
Analysing Tools

- Analyze Research Results (Result Level)
- Metrics (Article Level)
- Author Details (Author Level)
Analyze Search Results

Analysis can been seen in:
- Documents by year
- Documents per year by source
- Documents by author
- Documents by affiliation
- Documents by country / territory
- Documents by type
- Documents by subject area
Exercise 3

If you want to find and read some journal titles that carry high number of papers in the topic of “operation research” since 2012 for your further investigation in your research.

▪ What search strategy will you apply in Scopus?

▪ What Scopus function will you use?

▪ What data can be your reference?
Metrics

Scopus Metrics

190 Citations
Total number of times this document has been cited in Scopus.

Data range: 2015 to 2019
- Include all citations
- Exclude self citations
- Exclude citations from books

Citation benchmarking
Shows how citations received by this document compare with the average for similar documents.

99th percentile
in Social Sciences

Field-Weighted Citation Impact
Shows how well this document is cited when compared to similar documents. A value greater than 1.00 means the document is more cited than expected.

7.2

PlumX Metrics

Usage
- Crossref - Citation Buttons: 130
- Crossref - Downloads: 450
- Crossref - Altmetric: 31

Captures
- Crossref - Readers: 2
- EBSCO - Citations: 126
- Mendeley - Readers: 234
- Mendeley - Mentions: 234

Mentions
- Wikipedia - Reference: 1
Other Frequently Used Functions Provided by Scopus

- Sources Section – CiteSore Metrics for Serials
- Search History
- Alert
- Add to List
- Export to bibliographic management tools; i.e. RefWorks
- Export results list
- More......
Ask your Librarian @
- Information Counter
- Tel: 2948 6653
- WhatsApp: 9514 9655
- Email: libinfo@eduhk.hk