Searching Web Of Science
What is Web of Science

- Multidisciplinary database of approximately 12,000 journals, books, conference proceedings, publications and patents relating to sciences, social sciences, and arts & humanities.

- Use the U Find It button to link out to the full text.

- Updated daily
Open up Web of Science and familiarise yourself with the screen
You can add search rows, change the search fields and choose publication years.
The Search Strategy

- Databases contain huge collections of material

- Think about what you are going to look for. Have a question and pull out the main keywords

- Searching using individual keywords or concepts – don’t type everything into a single search box as this will return only superficial results

- Analyse the keywords, do they have any synonyms or alternative terms. E.g. high blood pressure, hypertension. Social media, Facebook, twitter
Search techniques
Getting the best out of your keywords – Boolean Connectors

- **Combine similar terms with OR**
  e.g. long distance running **OR** marathon
  *This will increase the number of articles you find*

- **Combine different terms with AND**
  e.g. long distance running **AND** barefoot **AND** biomechanics
  *This will reduce the number of articles you will find*
Use OR to connect similar terms. This will increase the number of results as any articles containing the terms will be found.

Using OR will increase the number of articles found.
Use **AND** to combine different terms. This will reduce the number of results returned and only the articles containing **all** terms will be found.

Only the articles that contain both terms will be found.
Phrase Searching and Truncation

- **“Phrase Searching”**
  Use double quotation marks to search for terms that naturally occur as a phrase
  e.g. “physical education” or “exercise testing”

- **Truncation**
  Place an asterisk at the end of the main part of a word (or stem) to find all variations
  e.g. child* will find child, children, childhood
  therap* will find therapy, therapies, therapeutic
Web Of Science

Example Search
Enter the search terms, using phrase searching and truncation if appropriate, then click on Search to find articles

OR terms in the same box from left to right
AND from top to bottom

This is the easiest way for the database to process the query

Select publication years
1. Sex-Related Differences in Neuromuscular Control: Implications for Injury Mechanisms or Healthy Stabilisation Strategies
   By: Flaxman, Teresa E.; Smith, Andrew J. J.; Benoit, Daniel L.
   JOURNAL OF ORTHOPAEDIC RESEARCH Volume: 32 Issue: 2  Pages: 310-317  Published: FEB 2014
   Full Text  View Abstract
   Times Cited: 0

2. Female recreational athletes demonstrate different knee biomechanics from male counterparts during jumping rope and turning activities
   By: Tanikawa, Hidenori; Matsumoto, Hideo; Harato, Kengo; et al.
   JOURNAL OF ORTHOPAEDIC SCIENCE Volume: 19 Issue: 1  Pages: 104-111  Published: JAN 2014
   Full Text  View Abstract
   Times Cited: 0

3. The immediate effects of open kinetic chain knee extensor exercise at different loads on knee anterior laxity in the uninjured
   Times Cited: 0
To access the article, open the Full Text box and click on the UU Find It button.
Sex-Related Differences in Neuromuscular Control: Implications for Injury Mechanisms or Healthy Stabilisation Strategies?

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ABSTRACT: Sex-related differences in neuromuscular activation have been previously identified and are thought to be an under contributor to the ACL injury mechanism. During dynamic tasks evaluating the role of muscle action as it relates to joint stabilisation, it is difficult to test individual muscle contributions to force generation due to biomechanical factors of movement. The purpose of this study was to examine sex-related differences in knee muscle action during a weight-bearing isometric squat and identify...
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Off Campus Access

- When accessing journals off campus you may encounter interim password screens.
- Ignore any prompts to enter a password and username.
- Instead look on the screen for ‘Athens Login’ or ‘Login’ click here and this will take you to the journal or article.

- For more information and help including videos and screenshots go to the Life and Health Sciences off campus access help page [http://guides.library.ulster.ac.uk/LHS/offcampus](http://guides.library.ulster.ac.uk/LHS/offcampus)
Most databases will save your search, which you can then access and re-run at a later date.

Open up the Search History
Select Save History/create Alert
Click on Register to create an account
Follow the on-screen prompts to create a personal account.
Once the account is created, you can then save your search.
You can also select articles and Export to Refworks
Web of Science also offers a Times Cited function. This enables you to see if an article has been cited by another more recent article and can be a way of bringing your search up to date. Click on the number to view the articles.

1. **Knee loads in the standard and recumbent cycling positions**
   By: Reiser, RF; Broker, JP; Peterson, ML
   Book Group Author(s): ISA
   Conference: 41st Annual Rocky Mountain Bioengineering Symposium/41st International ISA Biomedical Sciences Instrumentation Symposium Location: Ft Collins, CO Date: APR 23-25, 2004
   Sponsor(s): Instrumentat Syst & Automat Soc
   BIOMEDICAL SCIENCES INSTRUMENTATION, VOL 40 Book Series: TECHNICAL PAPERS OF ISA Volume: 449 Pages: 36-42 Published: 2004
   [Full Text] [View Abstract]
   Times Cited: 3
   (from Web of Science Core Collection)

2. **Rehabilitation following anterior - Cruciate ligament injury current recommendations for sports participation**
   By: Kvist, J
   SPORTS MEDICINE Volume: 34 Issue: 4 Pages: 269-280 Published: 2004
   [Full Text] [View Abstract]
   Times Cited: 96
   (from Web of Science Core Collection)

3. **3-D anatomically based dynamic modeling of the human knee to include tibio-femoral and patello-femoral joints**
   By: Caruntu, DI; Hefzy, MS
   [Full Text] [View Abstract]
   Times Cited: 26
   (from Web of Science Core Collection)

4. **In situ forces of the anterior and posterior cruciate ligaments in high knee flexion: an in vitro investigation**
   By: Li, G; Zayontz, S; Most, E; et al.
   JOURNAL OF ORTHOPAEDIC RESEARCH Volume: 22 Issue: 2 Pages: 293-297 Published: MAR 2004
   [Full Text] [View Abstract]
   Times Cited: 46
   (from Web of Science Core Collection)
Help with Searching

- University of Ulster Web of Science Guide

- Use your Subject Guide, select from the A-Z list

- All databases have their own excellent online Help, find the link along the top of the webpage

- Reworks Guide

- Ask the Librarians for help