

# MHESI: Understanding ScienceDirect Best Practices and Training Webinar

Kelwalin Dhanasarnsombut Customer Consultant Elsevier



## **Announcement**

- 1. Ask questions using Q&A feature
- 2. Questions will be answered after presentation
- 3. Evaluation form and video record will be distributed after the training

### Who is Elsevier?

### Who We Are

A global information analytics company specializing in science and health.

## Why We Do It

We help you solve your challenges, for the benefit of humanity



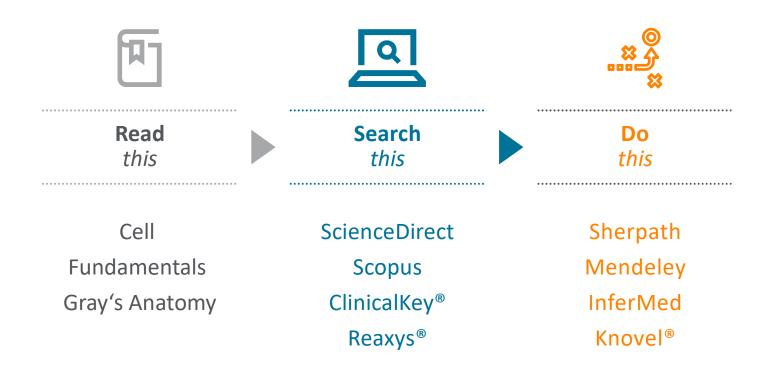
### What We Do

We help institutions and professionals progress science, advance healthcare and improve performance.

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Combine content with technology, supported by operational efficiency, to turn information into actionable knowledge.

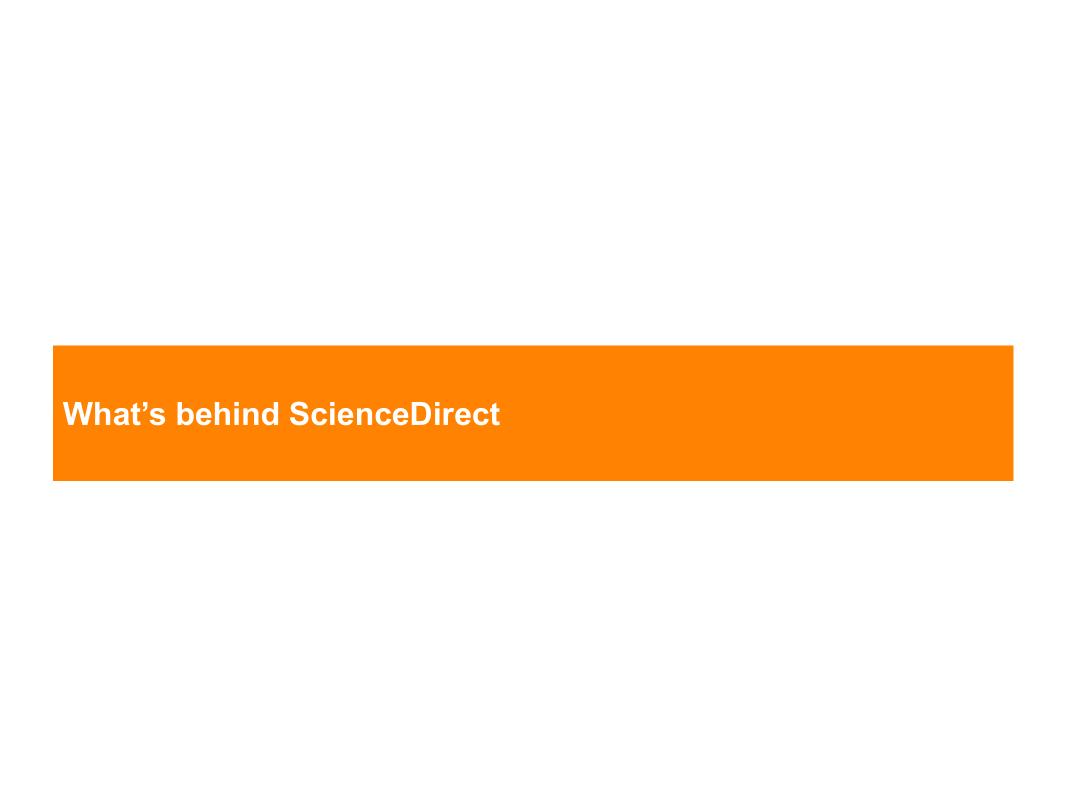
# Elsevier combines content with technology to provide actionable knowledge





# Agenda

What's behind ScienceDirect?	1
The Platform	2
Elsevier's useful sources	3



## **Elsevier Journal Content**

## Journal Titles in Freedom Collection 2020 By Subject Areas

Agricultural and Biological Sciences	193	
Biochemistry, Genetics and Molecular Biology	263	
Business, Management and Accounting	96	
Chemical Engineering	107	
Chemistry	122	
Computer Science	141	
Decision Sciences	66	
Earth and Planetary Sciences	115	
Economics, Econometrics and Finance	105	
Energy	86	
Engineering	230	
Environmental Science	144	
Health Sciences		639
Immunology and Microbiology	108	
Materials Science	161	
Mathematics	95	
Neuroscience	131	
Nursing and Health Professions	95	
Pharmacology, Toxicology and Pharmaceutical Science	88	
Physics and Astronomy	121	
Psychology	129	
Social Sciences	227	
Veterinary Science and Veterinary Medicine	41	

### ScienceDirect Impact Factor - No.1 Journal in 66 Subjects













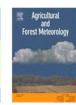




















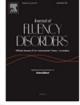


















































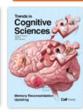








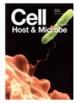
































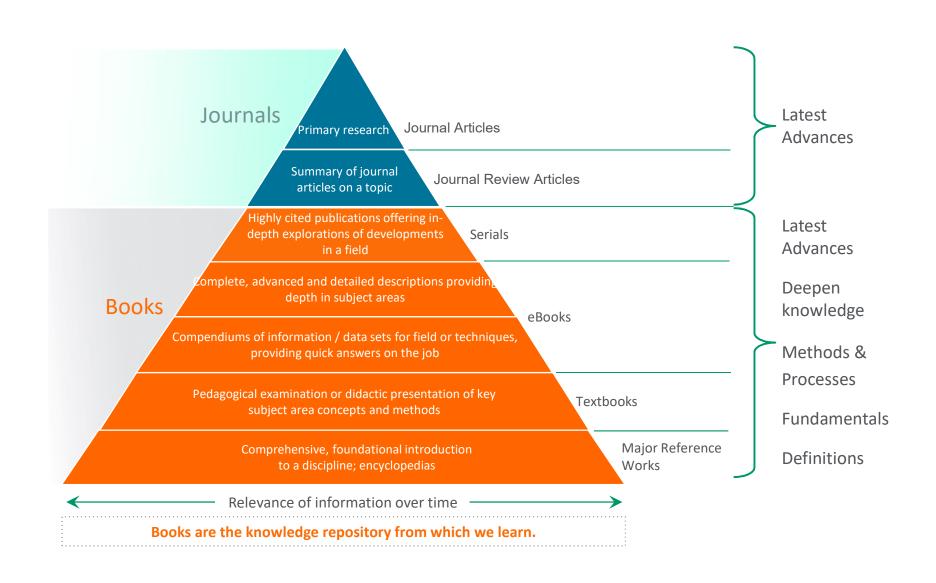






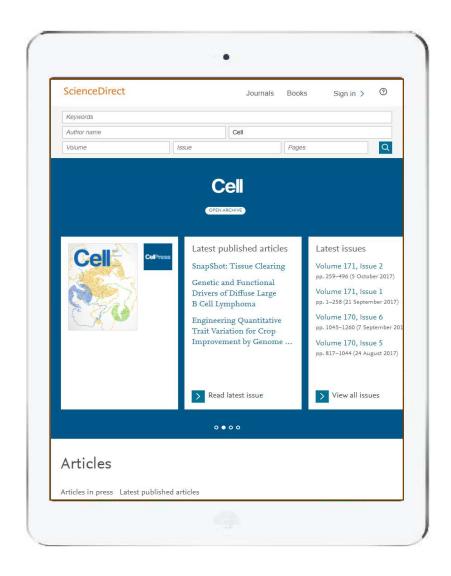


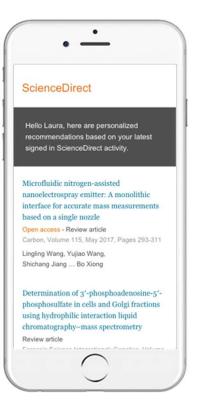
# Researchers Need Different Content Types for Different Steps in Their Workflow





## Responsive Web Design - High level of accessibility





Responsive Web Design (RWD) is good both for people with disabilities and mobile users.

Content is simplified and users are able to focus on a limited number of tasks

## **Features – Key Highlights**

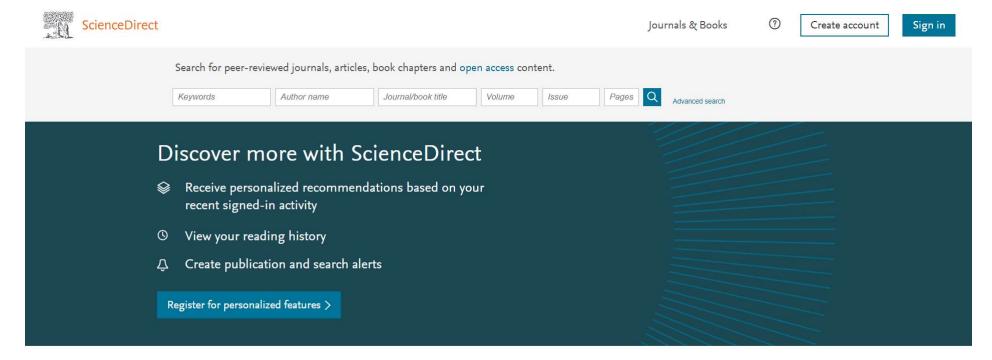
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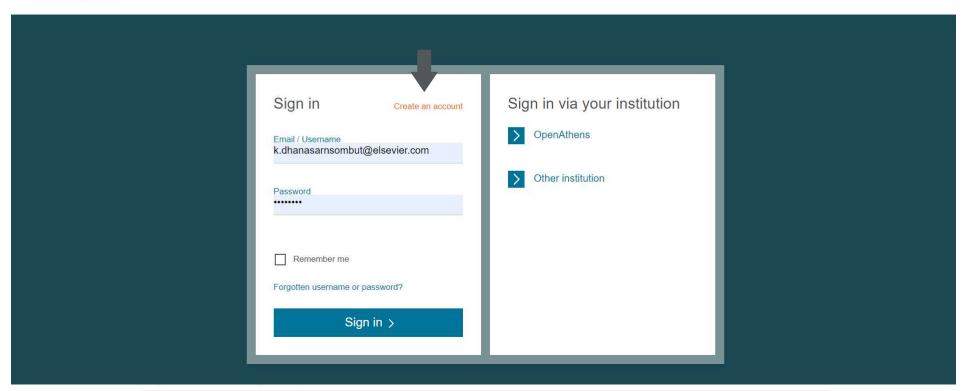
Health Sciences Social Sciences and Humanities



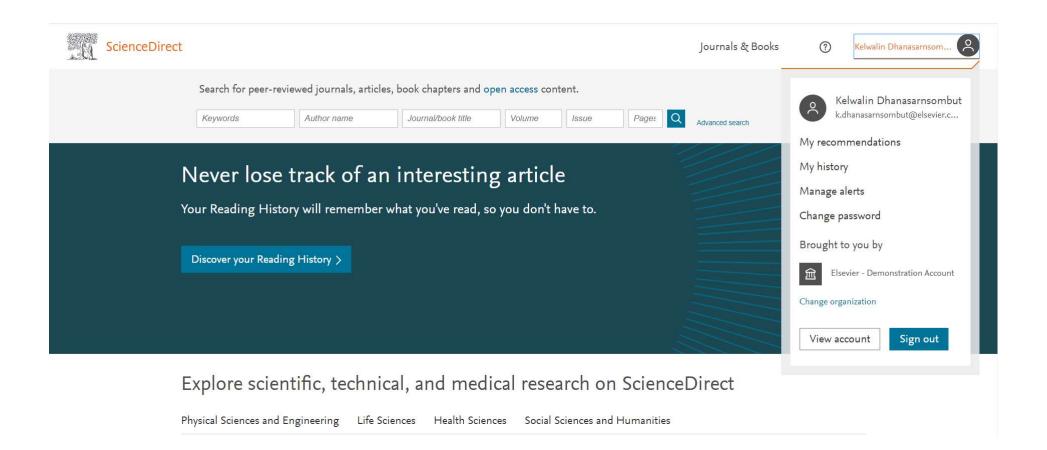
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### ScienceDirect



### **Remote Access**



### ScienceDirect Personalized Recommender

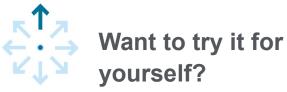
Free Personalized *Recommendations* service uses machine learning and the user's online activity to suggest research tailored to their needs

# How does it work?



Once a researcher has registered, our powerful adaptive algorithm uses the signed-in activity on ScienceDirect to understand the user's research interests.

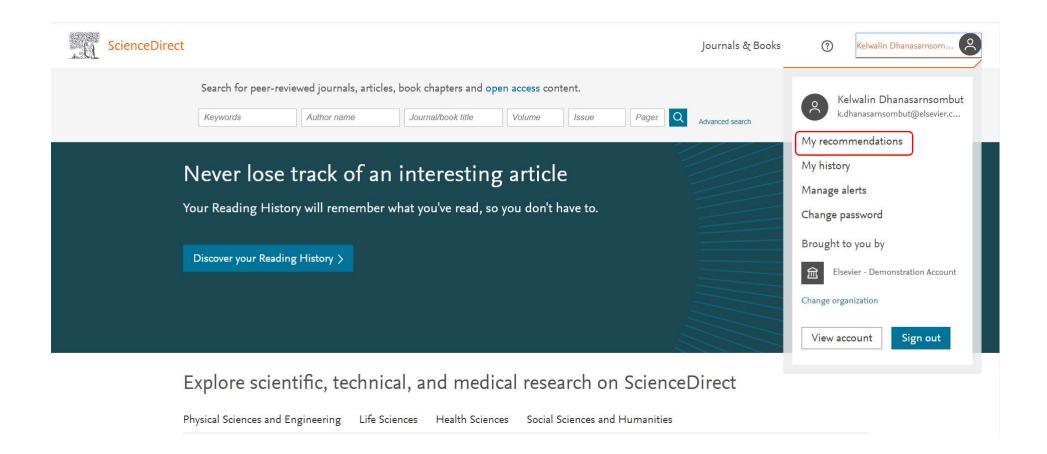
It then searches our database of more than 3,800 journals and over 37,000 book titles to find related content. The more frequently someone signs in, the better it gets to know them, and the more relevant the recommendations they'll receive



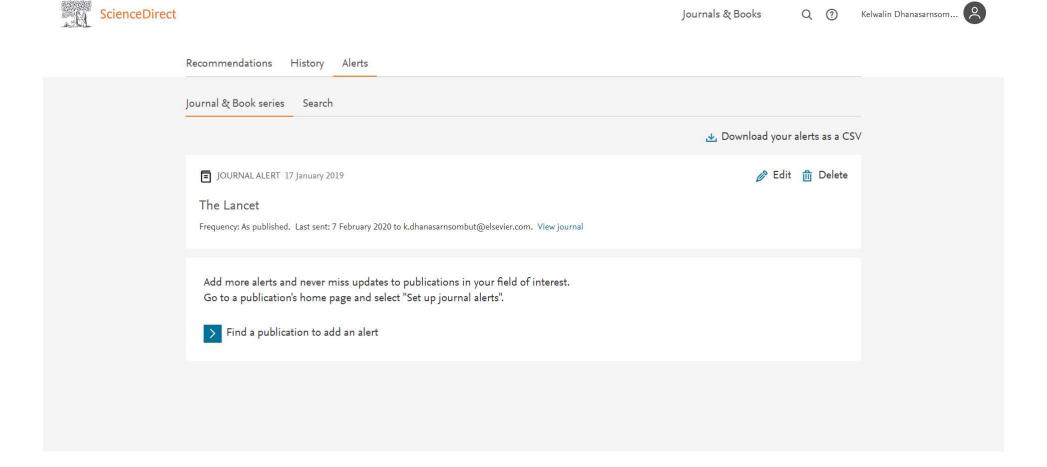
It's simple:

- 1. Create an account with ScienceDirect
- **2.** Stay signed in while searching and browsing!

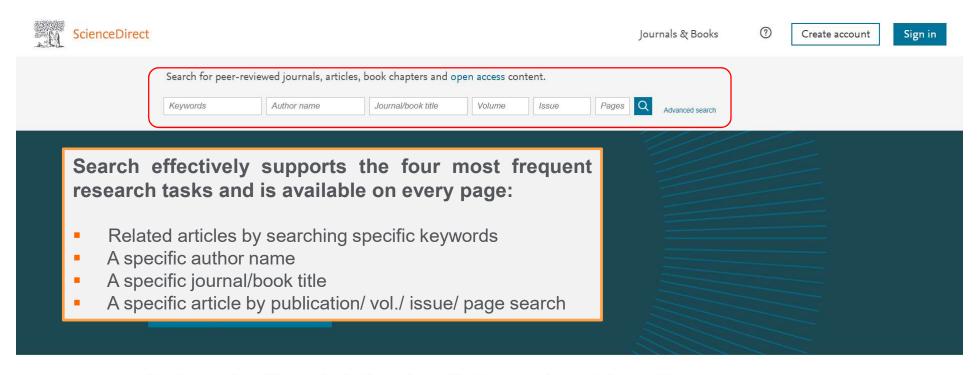
### ScienceDirect Personalized Recommender



### **ScienceDirect Personalized Recommender**



### **ScienceDirect Platform: Search for articles**



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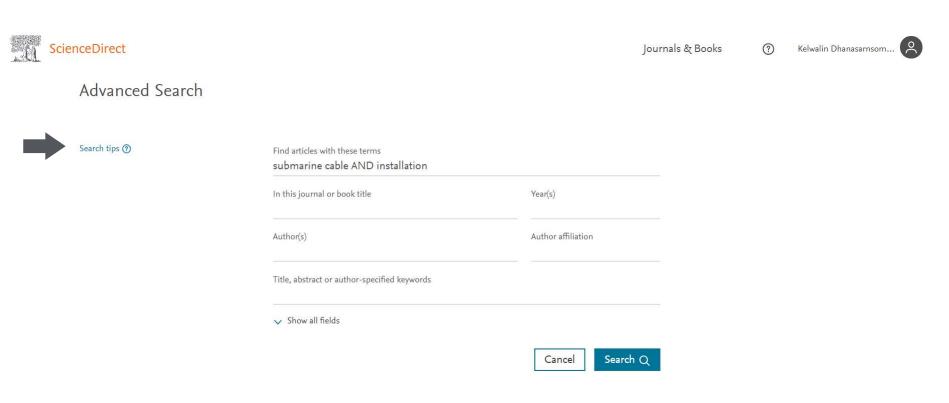
# **Useful search tips: Search Functionality**

- Choosing Search Terms
  - Use specific search terms that are <u>closely related</u> to your research topic
  - Include alternative words and abbreviations
  - Avoid words that are too general
- Use Boolean Operators
  - AND
    - Finds documents that contain ALL of the terms
    - Use this when the terms must appear and may be far apart from each other
    - Example: "malaria" AND human
  - OR
    - Finds documents that contain any of the terms
    - Use OR when at least one of the terms must appear (such as synonyms, alternate spellings, or abbreviations)
    - Example: "pain-killer" OR "anti-inflammatory")
  - NOT
    - Excludes documents that include the specified term from the search
    - Use NOT to exclude specific terms. This connector must be used at the end of a search.
    - Example: "translation" AND NOT language\*

### **Advance search**

I do research in engineering and want to read about "how to install the submarine cable.".

- How can I find it on ScienceDirect?



Refine the search result

Journals & Books





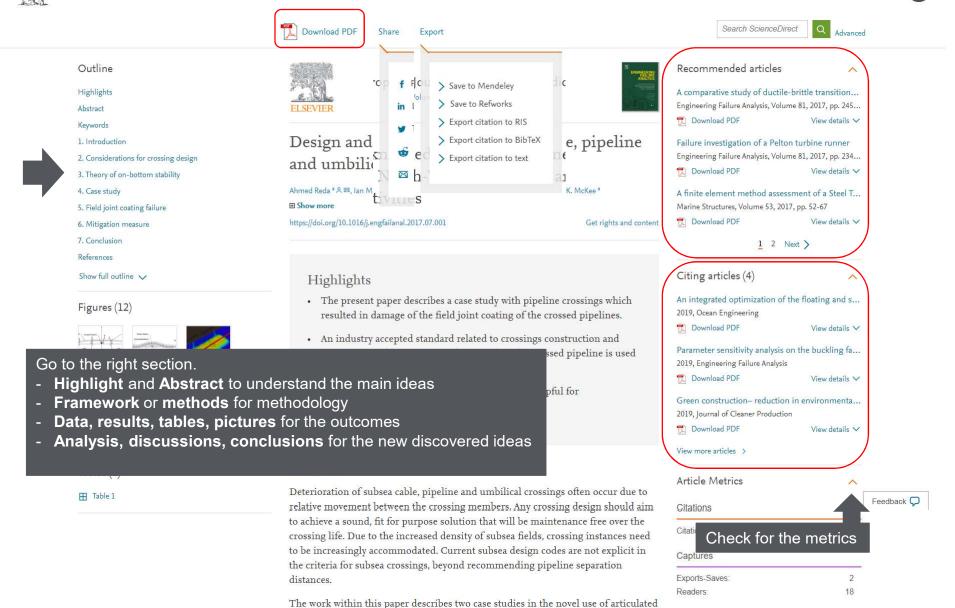
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2,295 results  Set alert  Set alert  Reading offline also possible  2020 (42) 2019 (144) 2018 (137) Show more >	Research article Full text access Mechanical behavior of submarine cable under coupled tension, torsion and compressive loads Ocean Engineering, Volume 189, 1 October 2019, Article 106272 Hsun-Cheng Chang, Bang-Fuh Chen Download PDF Abstract Export  Research article Full text access A fuzzy evidential reasoning based approach for submarine power cable routing selection for offshore wind farms Ocean Engineering, Volume 193, 1 December 2019, Article 106616 Dan Jiang, Bing Wu, Xuefeng Yang, P. H. A. J. M. Van Gelder Download PDF Abstract Export Export	
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padding applied to the crossing member, using the crossed pipeline as a support and then using the articulated padding resting on traditional grout-bag supports.

The results highlight the ability of the articulated padding to provide the required

ScienceDirect



# **PLUMX**

# Metrics Categories



### **USAGE**

(clicks, downloads, views, library holdings, video plays)



### **CAPTURES**

(bookmarks, code forks, favorites, readers, watchers)



**MENTIONS** 

(blog posts, comments, reviews, Wikipedia links)



**SOCIAL MEDIA** 

(+1s, likes, shares, tweets)



**CITATIONS** 

(citation indexes, patent citations, clinical citations)

## **Plum Print Examples**



An example of a Plum Print for an article that has metrics balanced in all categories. Link to article on PlumX.



An example of a Plum Print with a lot of Citations and Captures, a small amount of Usage, and no Mentions or Social Media. Link to article on PlumX.



An example of a Plum Print with an outsized amount of Social Media.

Link to article on PlumX.



96%

Mentions Social Media



Design and installation of subsea cable, pipeline and umbilical crossing interfaces

Citation Data: Engineering Failure Analysis, ISSN: 1350-6307, Vol: 81, Page: 193-203

Publication Year: 2017



Highlights

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### Article Description

30%

Citations

Usage

Deterioration of subsea cable, pipeline and umbilical crossings often occur due to relative movement between the crossing members. Any crossing design should aim to achieve a sound, fit for purpose solution that will be maintenance free over the crossing life. Due to the increased density of subsea fields, crossing instances need to be increasingly accommodated. Current subsea design codes are not explicit in the criteria for subsea crossings, beyond recommending pipeline separation distances. The work within this paper describes two case studies in the novel use of articulated padding applied to the crossing member, using the crossed pipeline as a su using the articulated padding resting on traditional

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Captures

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### Bibliographic Details

DOI: 10.1016/j.engfailanal.2017.07.001 >

#### AUTHOR(S):

1

Ahmed Reda; Ian M. Howard; Gareth L. Forbes; Ibrahim A. Sultan; Kristoffer K. McKee

#### PUBLISHER(S):

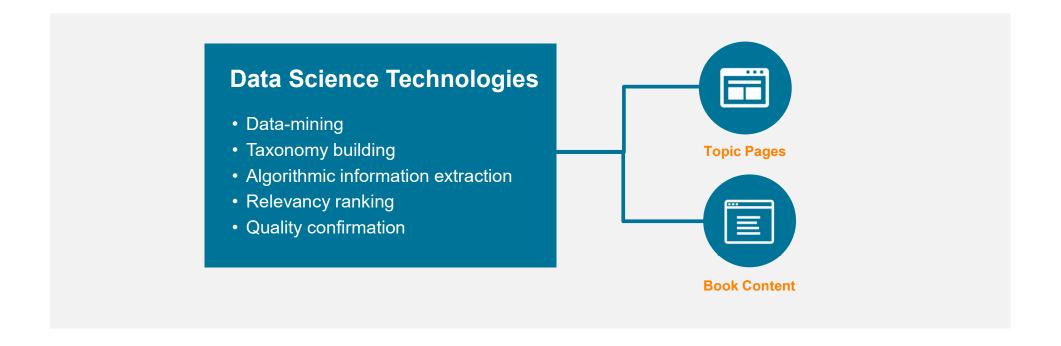
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Materials Science; Engineering

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### Hearing Research

Volume 308, February 2014, Pages 60-70



Research paper

### Explaining the high voice superiority effect in polyphonic music: Evidence from cortical evoked potentials and peripheral auditory models

Laurel J. Trainor a, b, c A ⊠, Céline Marie a, b, lan C. Bruce b, d, Gavin M. Bidelman e, f

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Natural auditory environments contain multiple simultaneously-sounding objects and the auditory system must parse the incoming complex sound wave they collectively create into parts that represent each of these individual objects. Music often similarly requires processing of more than one voice or stream at the same time, and behavioral studies demonstrate that human listerers show a systematic perceptual bias in processing the highest voice in multi-voiced music. Here, we review studies utilizing event-related brain potentials (ERPs), which support the notions that (1) separate memory traces are formed for two simultaneous voices (even without conscious awareness) in auditory cortex and (2) adults show more robust encoding (i.e., larger ERP responses) to deviant pitches in the higher than in the lower voice, indicating better according of the former. Furthermore, infants also show this high-voice superiority effect, suggesting that the perceptual dominance observed across studies might result from neurophysiological characteristics of the peripheral auditory system. Ithough musically untrained adults show smaller responses in general than musically trained adults, both groups similarly show a more robust cortical representation of the higher than of the lower voice. Finally, years of experience playing a bass-range instrument reduces but does not reverse the high voice superiority effect, indicating that although it can be modified, it is not highly neuroplastic. Results of new modeling experiments examined the possibility that characteristics of middle-ear filtering and cochlear dynamics (e.g.,



### Mechanosensitive Ion Channels, Part B

Anthony J. Ricci, Bechara Kachar, in Current Topics in Membranes, 2007

#### II AUDITORY SYSTEM

The peripheral auditory system is a remarkable feat of evolutionary biological engineering with a threshold of sensitivity at molecular dimensions; where stimulus energy levels are below energy levels associated with the Brownian motion of the sensory organelle, the

### Frequency Analysis and Masking

Brian C.J. Moore, in Hearing, 1995

#### XI SUMMARY

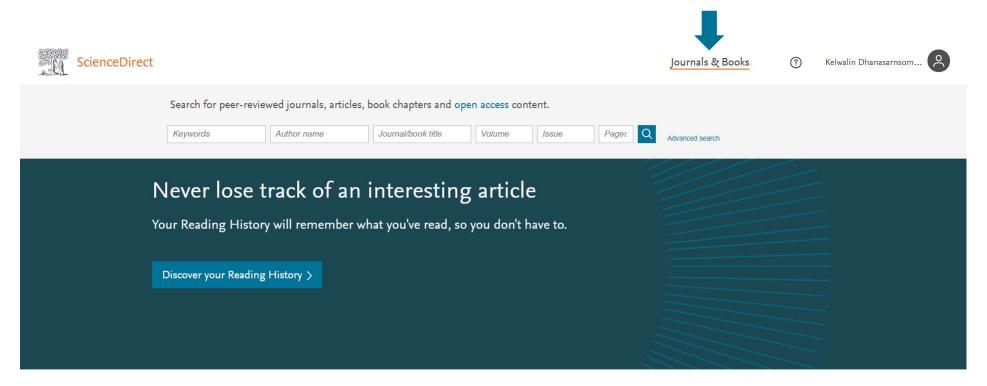
The peripheral auditory system contains a bank of bandpass filters, the auditory filters, with center frequencies spanning the audible range. The basilar membrane appears to provide the initial basis of the filtering process. The auditory filter can be thought of as a weighting function that characterizes frequency selectivity at a

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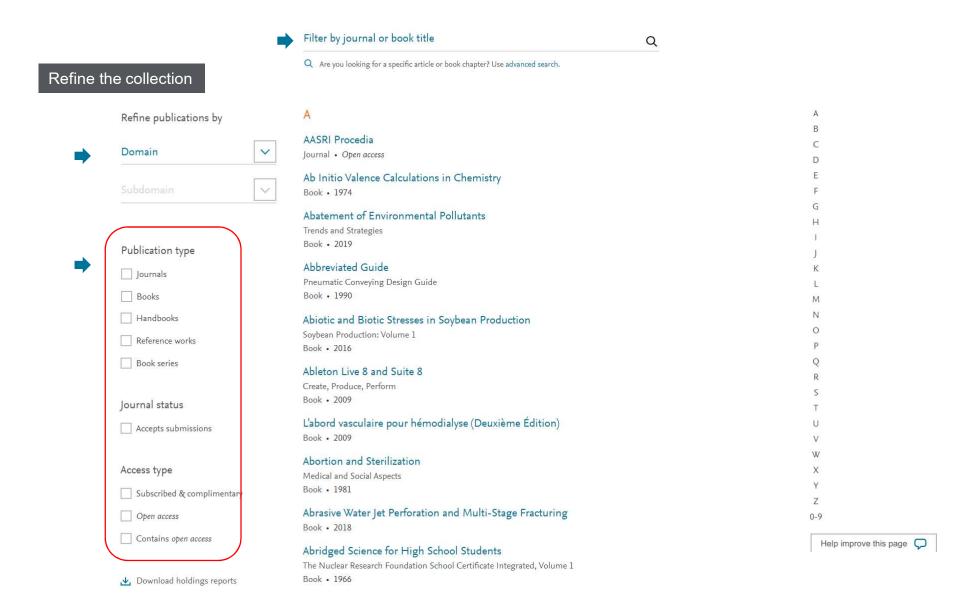


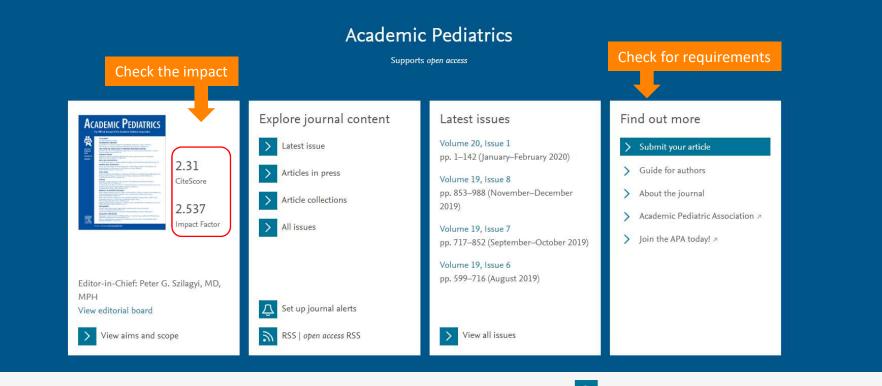




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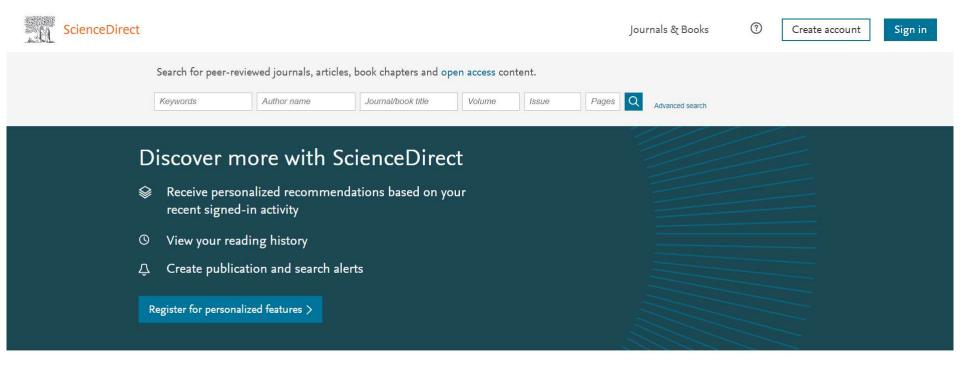
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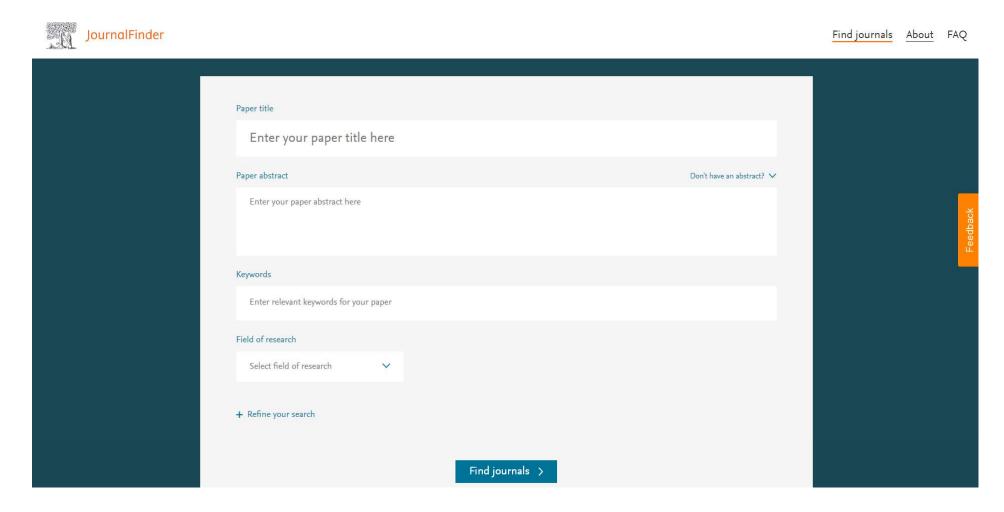
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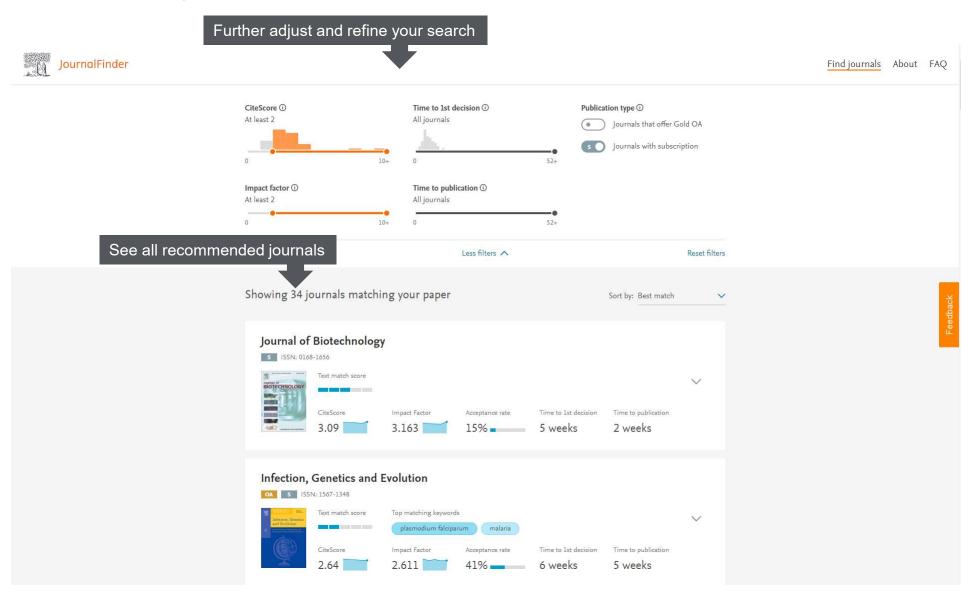
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Journal of Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases (MEEGID)

Editor-in-Chief: Michel Tibayrenc

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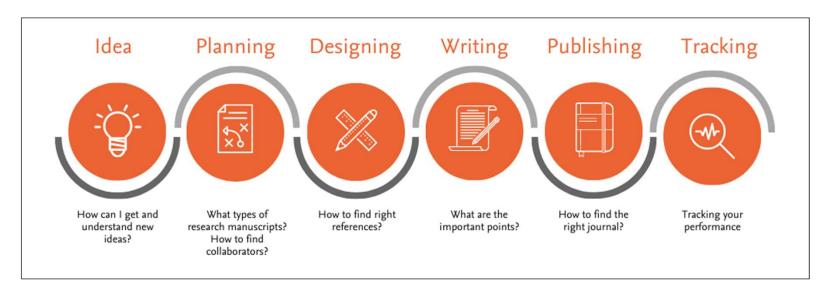




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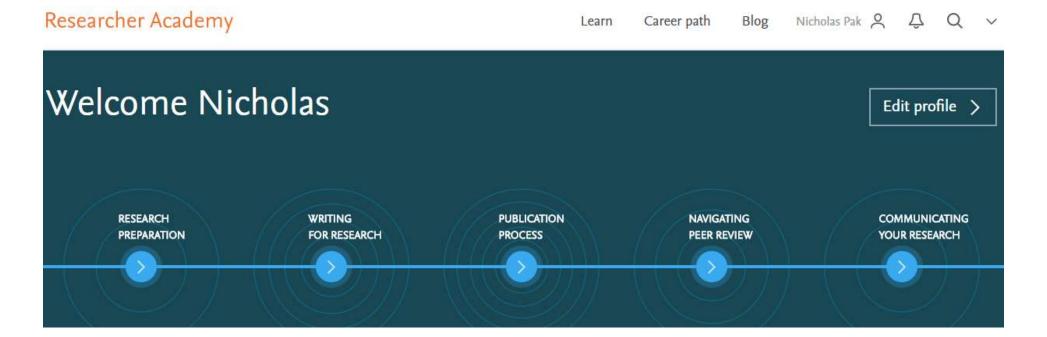


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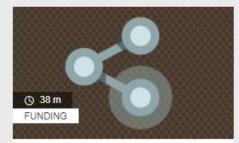
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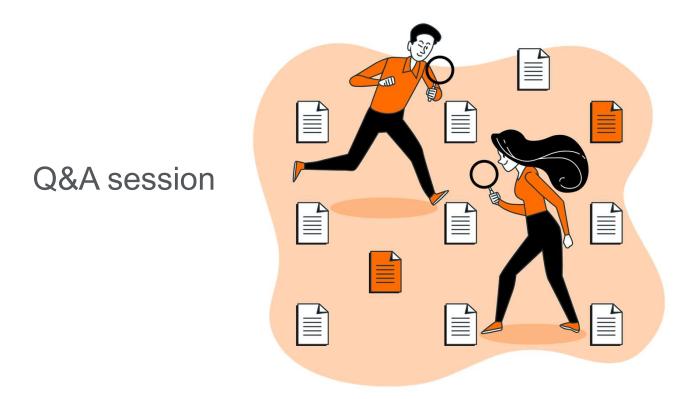




# Beginners' guide to writing a manuscript in LaTeX

Everything you need to know about using LaTeX to ensure your formula-heavy manuscript has a professional polish.

\*







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