



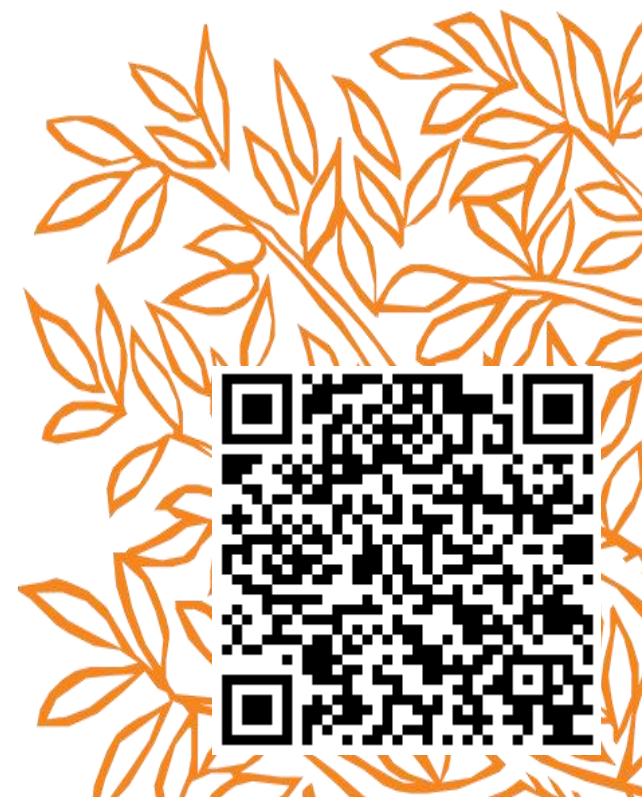
Biblioteca
Comunitária
UFSCar

Estratégias de Pesquisa Rapidez e Relevância

Luiz Baginski (l.baginski@elsevier.com)

Atendimento BCo (atendimento.bco@ufscar.br)

(2020Oct14)



Agenda - Estratégias de Pesquisa – rapidez e relevância

- Introdução da Biblioteca
- *Serviços de Informação Científica*
 - Catálogos e Repositórios de Dados Institucionais*
 - Bases de dados comerciais*
- *A Indexação e a Recuperação da Informação*
- *Motores de Busca e recuperação de conteúdo*
- *Estratégias de Busca - Precisão, relevância, rapidez*

Objetivo: Revisar, Encontrar Conteúdo Científico

Desafio: Comunicação com Bases de Dados

Quem é e o quê faz a Elsevier?

<http://elsevier.com>



- ✓ Líder mundial em informação e estudos da ciência e medicina.
- ✓ Mais de 140 anos de atividades editoriais
- ✓ 7.000 sócios editoriais (revistas), 70.000 membros de conselhos editoriais, 30.000 revisores e 600.000 autores
- ✓ 7.000 funcionários 24 países.

Provedor Global de Informação Analítica
especializado em Ciência e Saúde

Information Analytics, uniting Content & Technology

CONHEÇA AS SOLUÇÕES ELSEVIER DISPONÍVEIS NO PORTAL DE PERIÓDICOS CAPES

Acesse pelo Portal ou diretamente pelas nossas bases:



SCIENCEDIRECT

A plataforma líder de literatura científica revisada por pares, são mais de 2.500 periódicos, 39.000 livros e 16 milhões de artigos disponíveis em texto completo.

www.sciencedirect.com



SCOPUS

Informação científica curada, conectada, completa. A maior plataforma mundial de informação científica referencial revisada por pares, são mais de 77 milhões de registros de 24.000 periódicos publicados por mais de 5.000 editoras.

www.scopus.com



EMBASE

A solução de pesquisa de literatura biomédica mais completa do mundo. Conta com a maior cobertura de periódicos e conferências, uma poderosa indexação do conteúdo e sofisticados mecanismos de pesquisa.

www.embase.com



JOURNAL FINDER

Encontre a publicação Elsevier mais apropriada para publicar seu artigo. Tecnologia de pesquisa inteligente e vocabulários específicos das diversas áreas de pesquisa para combinar seu artigo com os periódicos da Elsevier.

www.journalfinder.elsevier.com



RESEARCH ACADEMY

Empodere o seu potencial de pesquisa. Módulos gratuitos de e-learning desenvolvidos por especialistas globais, orientação e aconselhamento profissional.

www.researcheracademy.elsevier.com



COMPENDEX - ENGINEERING VILLAGE

A pesquisa em Engenharia, levada ao próximo nível de qualidade. Com base em uma revisão bibliográfica ampla, completa, confiável e rápida.

www.engineeringvillage.com



VOCÊ CONHECE TODOS OS RECURSOS DE SUPORTE À PESQUISA QUE A ELSEVIER FORNECE PARA SUA INSTITUIÇÃO?

ScienceDirect

Acesse revistas e livros de maneira rápida e confiável.

www.sciencedirect.com

Scopus

Visualize a produção científica de maneira global.

www.scopus.com

Mendeley

Gainhe tempo para escrever e organizar seus artigos e referências.

www.mendeley.com

Embase

Acesse à mais completa base de literatura biomédica baseada em evidências.

www.embase.com

Engineering Village

A base mais completa de publicações de engenharia.

www.engineeringvillage.com

Acesse de maneira remota pelo Portal de Periódicos da CAPES, identificando-se através do acesso remoto CAFe.



Outras dicas para pesquisadores, eventos e informações sobre a América do Sul podem ser encontradas em nosso nexus.elsevier.com

[/ElsevierLAS](https://www.facebook.com/ElsevierLAS) [@ElsevierLAS](https://www.instagram.com/ElsevierLAS) [/elsevierlas](https://www.linkedin.com/company/ElsevierLAS) [Elsevier LAS](https://www.youtube.com/ElsevierLAS)

www.elsevier.com/br/academicline



Material de apoio e Redes Sociais

Elsevier LAS *Latin South*



@laselsevier



Elsevier LAS



@elsevierlas



laselsevier



Elsevier LAS

-**Instagram:** @LASElsevier

<https://www.instagram.com/laselsevier>

-**Facebook:** /ElsevierLAS

<https://www.facebook.com/ElsevierLAS>

-**Twitter:** @ElsevierLAS

<https://twitter.com/ElsevierLAS>

-**Youtube:** @ElsevierLAS

<https://www.youtube.com/channel/UCyOOBlswfGNv2X5ckozzCxA>

Páginas Corporativa e Produtos:

<https://www.elsevier.com/location-selector>



Fontes Científicas – a organização da Informação

- **Catálogos de Bibliotecas**
Sistema de registo da produção local (conteúdo completo da Biblioteca)
- **Repositórios Institucionais**
Arquivos locais de conteúdo local (arquivos, dados)
- **Bases de dados**
 - Assinadas pela instituição
 - Disponíveis para a instituição
 - De acesso Aberto / Pago



Como Escolher uma Fonte de Informação ?

*Consulte seu
Orientador,
Bibliotecário,
seu Par !*

*Evitar Fontes
não qualificadas
não recomendadas
não reconhecidas
não confiáveis
não 'piratas'*



Indexação

(com base no Resumo,
Palavras-chave, Termos
relacionados, Termos mais
específicos)



Nickel-based HVOF coatings promoting high temperature corrosion resistance of biomass-fired power plant boilers

Maria Oksa*, Pertti Auerkari, Jorma Salonen, Tommi Varis

VTT Technical Research Centre of Finland, P.O. Box 1000, 02044 VTT Espoo, Finland

ARTICLE INFO

Article history:
Received 18 November 2013
Received in revised form 4 April 2014
Accepted 5 April 2014
Available online 3 May 2014

Keywords:

Thermal spray coating
HVOF
High temperature corrosion
Biomass combustion
Corrosion protection
Chlorine induced corrosion

ABSTRACT

There are over 1000 biomass boilers in Europe, and the number is increasing due to actions for reducing greenhouse gas emissions. Biomass boilers often experience strong corrosion due to harmful elements in fuels. In biomass burning, detrimental components include especially chlorine, potassium and heavy metals, which can cause chlorine-induced active oxidation or hot corrosion by molten phases even at fairly low temperatures. In order to increase the corrosion resistance of heat exchanger components, either more alloys, steels or protective coatings should be applied. High velocity oxygen fuel (HVOF) sprayed coatings may provide corrosion protection for low alloy tube materials. Three nickel based thermal spray coatings (Inconel 625, NiCoCrAlSiAlN and Ni22Cr13Al1Y) were tested for two years in a real, transiently fluidized boiler (CFB), which had experienced severe corrosion and a tube failure. The coated tubes were installed to the cold and the hot economizer. After the exposure the coatings and the substrate materials were analyzed with SEM-EDX. The uncoated boiler tubes corroded strongly, whereas the thermal spray coatings exhibited excellent corrosion performance. This paper presents the tube failure at the cold economizer, exposure conditions, the analysis of the coated and uncoated samples and the corrosion mechanisms of the steel tubes.

© 2014 Elsevier B.V. All rights reserved.

A Voice Controlled E-Commerce Web Application

Kandhari, Mandeep Singh¹ ✉; Zulkemine, Farhana¹ ✉; Isah, Haruna¹ ✉

Source: 2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference, IEMCON 2018, p 118-124, July 2, 2018, 2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference, IEMCON 2018; ISBN-13: 9781538672662; DOI: 10.1109/IEMCON.2018.8614771; Article number: 8614771; Conference: 9th IEEE Annual Information Technology, Electronics and Mobile Communication Conference, IEMCON 2018, November 1, 2018 - November 3, 2018; Sponsor: IEEE Vancouver Section; Institute of Engineering and Management (IEM); UBC; University of Engineering and Management (UEM); Publisher: Institute of Electrical and Electronics Engineers Inc.

Author affiliation : ¹ School of Computing, Queen's University, Kingston, Canada

Abstract: Automatic voice-controlled systems have changed the way humans interact with a computer. Voice or speech recognition systems allow a user to make a hands-free request to the computer, which in turn processes the request and serves the user with appropriate responses. After years of research and developments in machine learning and artificial intelligence, today voice-controlled technologies have become more efficient and are widely applied in many domains to enable and improve human-to-human and human-to-computer interactions. The state-of-the-art e-commerce applications with the help of web technologies offer interactive and user-friendly interfaces. However, there are some instances where people, especially with visual disabilities, are not able to fully experience the serviceability of such applications. A voice-controlled system embedded in a web application can enhance user experience and can provide voice as a means to control the functionality of e-commerce websites. In this paper, we propose a taxonomy of speech recognition systems (SRS) and present a voice-controlled commodity purchase e-commerce application using IBM Watson speech-to-text to demonstrate its usability. The prototype can be extended to other application scenarios such as government service kiosks and enable analytics of the converted text data for scenarios such as medical diagnosis at the clinics.

© 2018 IEEE. (19 refs)

Main heading: Speech recognition

Controlled terms: Artificial intelligence - Character recognition - Diagnosis - Electronic commerce - Electronic trading - Human computer interaction - Interactive computer systems - Interface states - Mobile telecommunication systems - Speech

Exemplos (índices)

Título, Resumo, Autor, Revista,
Editor, Data, Palavra-chave,
Classificação, Palavra-
controlada, Afiliação, Fomento,



A Recuperação da Informação

Estratégias de Busca

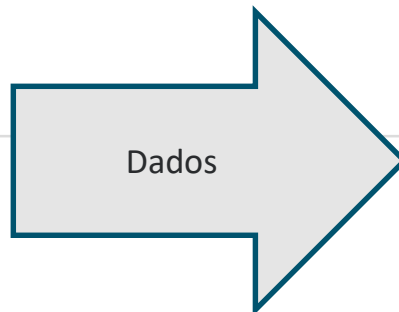
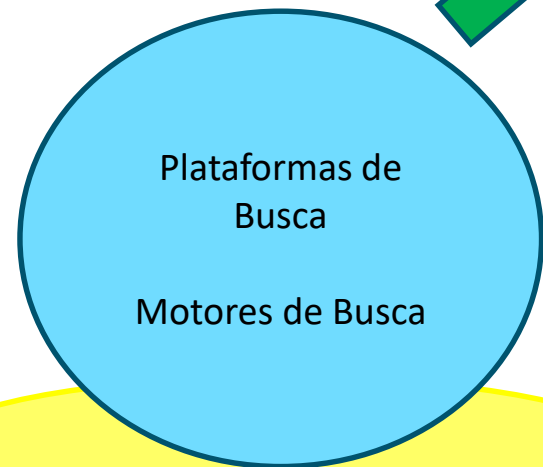


A comunicação com:

- Plataformas de Busca
- Motores de Busca
- Inteligência da Máquina
- Inovações Tecnológicas

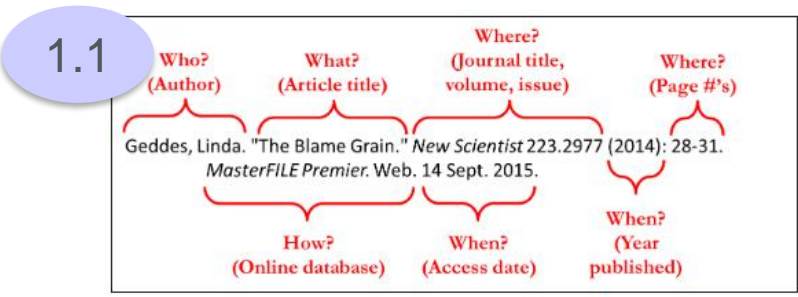
Componentes da comunicação:

- verbal/escrita/sinais
- símbolos, sintaxe
- moticons, tags/etiquetas*



Bases de Dados

(páginas Web, Recursos de Informação qualificada / científica)



1. Texto:

1.1 Citações

1.2 Resumos e Índices (A&I)

1.3 Texto completo

2. Dados ou Numérica

3. Mapas

4. Vídeos / filmes / imagens



Research and implementation of financial decision model based on artificial intelligence

Zhao, Desheng ¹; Liu, Xiaoyu ¹

Source: *Agro Food Industry Hi-Tech*, v 28, n 3, p 2576-2579, May-June 2017; ISSN: 17226996, E-ISSN: 20354606; Publisher: TeknoScience

Author affiliation: ¹ Langfang Ploytechnic Institute, Hebei Langfang, China

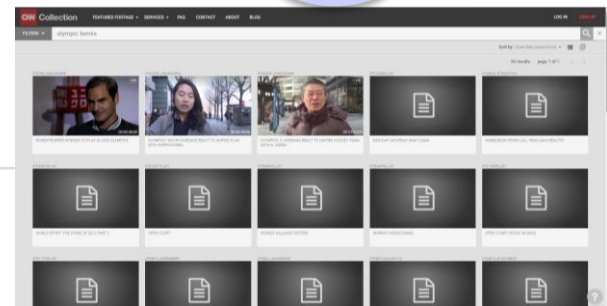
Abstract: Artificial intelligence has reached a new level in the global. Because of the improvement of the current neural network depth learning algorithm, some basic artificial intelligence technology has developed rapidly. In the financial sector, artificial intelligence can greatly optimize the process of a series of existing financial transaction, which can be applied and served to customers at the front end to achieve a variety of financial transactions and financial analysis decisions. Based on this, the research and implementation of financial decision model based on artificial intelligence were studied in this paper. The impact of artificial intelligence on the financial industry was introduced first. Technical problems and solutions, theoretical support and key technologies were introduced. Finally, the specific process of financial decision model based on Agent artificial intelligence was introduced in detail. The test results show that the financial decision model based on artificial intelligence can be used for risk prevention and control, which makes our financial services more personalized and intelligent, so that the financial risk control ability is more powerful. (15 refs)

Main heading: Finance

Controlled terms: Agents - Artificial intelligence

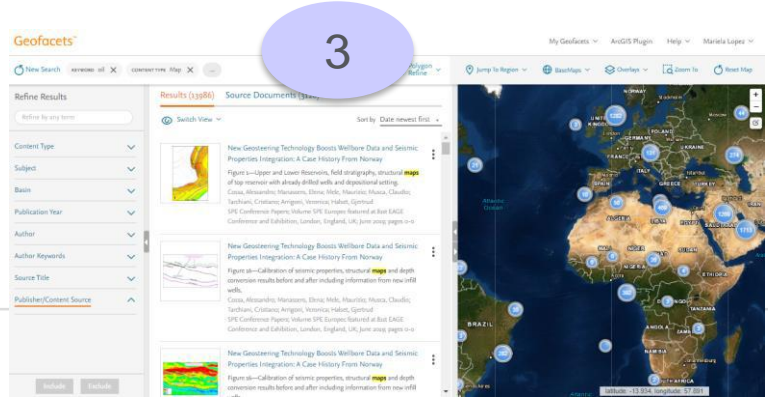
Uncontrolled terms: Artificial intelligence technologies - Financial - Financial decisions - Financial industry - Financial transactions - Intelligent Algorithms - Problems and Solutions - Risk prevention and controls

Classification code: 723.4 Artificial Intelligence - 803 Chemical Agents and Basic Industrial Chemicals



Abstract

An accurate estimation of half-cone geometry (i.e., volume and length) created by pressure flushing operation in dam reservoirs is required for sediment management in the reservoir storage. In this study, two artificial intelligence techniques namely, Artificial Neural Network (ANN) and Adaptive Neuro-fuzzy Inference System (ANFIS) were utilized to estimate the volume and length of flushing half-cone based on influential variables. I.e., mean flow velocity through bottom outlet (u_b), water depth in reservoir (H_w), mean grain diameter of deposited sediments (d_{50}), thickness of deposited sediment (H_d) and bottom outlet diameter (D). Experimental data in both dimensional and non-dimensional forms were used to train and test ANN and ANFIS models. The results of the intelligence-based



Antes de Começar... (a buscar Informação)

Definir / Identificar

- Termos / Expressões
(livres / controladas)

- Fontes de Informação
Tipo de Base de Dados
Tipo de Documento

- Idioma (do conteúdo)

• Consultar

- Tesouro
- Documentos de referência
Artigo / Livro / Revista
- Professor / Orientador / Par
- Identificar Proeminentes
- Autor, Editor, Revista

Consultar

Biblioteca

Professor / Orientador / Par

Identificar o tipo de oferta de documento / conteúdo disponível

Estratégias de Busca

Sintaxe

Operadores Booleanos

- Comunicação com Serviços de Informação
- “processamento natural da linguagem”
- Busca aproximada, Busca exata
- **Exemplos de estratégias de busca**

1. *rocket propulsion laboratory*

2. *“rocket propulsion laboratory”*

3. *rocket **and** propulsion **and** laboratory*

4. *rocket **or** propulsion **or** laboratory*

5. *rocket **and** propulsion*

6. *rocket **and** propulsion **not** laboratory*

7. *fatigue*

8. *fatigu?*

9. *fatigu**

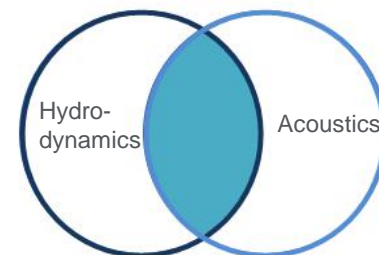
10. *wearable technology*

11. *“jet propulsion” **or** “rocket propulsion” **and** engine**

12. *“jet propulsion” **or** (“rocket propulsion” **and** engine*)*

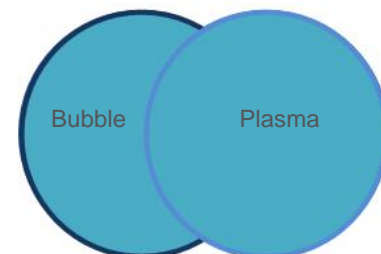
AND

Hydrodynamics **AND** acoustics



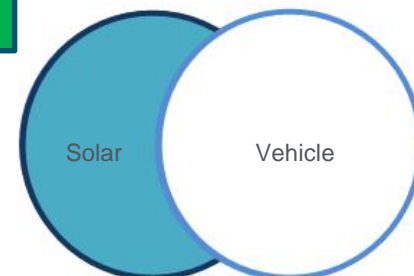
OR

Bubble **OR** Plasma



NOT

Solar **NOT** Vehicle



“ “

NEAR

* ?

Filtros Dinâmicos (índices / campos) / Tesouro / Propriedades

Numeric filter ⓘ

Refine results

Limit to Exclude

Add a term

Controlled vocabulary

Author

Author

Class

Country

Document type

Language

Year

Source title

Publisher

Funding sponsor

Limit to Exclude

Filtros Dinâmicos

Engineering Village™

Quick search: All fields

Databases ^ Date v Language v

39487 records found in Comp

Alert Save RSS

Refine <<

Numeric filter ⓘ

By category Download all ^

Limit to

Add a term

By physical property

Filter results by physical properties such as size, temperature, pressure and many more.

Size

between

Meter (m)

Propriedade Física

Thesaurus search: Vocabulary search for integrated circuit

Database: Compendex Inspec GeoRef GEOBASE EnCompa

49 matching terms ^

integrated circuit 1 of 5 >

Tesouro

Term	Term
<input type="checkbox"/> Analog integrated circuits	<input type="checkbox"/> Clean rooms
<input type="checkbox"/> Automatic test pattern generation	<input type="checkbox"/> Computer aided design
<input type="checkbox"/> Built-in self test	<input type="checkbox"/> Computer hardware description languages
<input type="checkbox"/> Chemical mechanical polishing	<input type="checkbox"/> Design for manufacturability
<input type="checkbox"/> Chip scale packages	<input type="checkbox"/> Design for testability

Display: 25

1. **Impact in highway prestressed concrete bridges**
 Wang, T.L. (Florida Intl Univ, Miami, United States); Shahawy, M.; Huang, D.Z. Source: Computers and Structures, v 44, n 3, p 525-534, Jul 17 1992

Filtro Numérico

Propriedade Física

Operador e Valor

Unidade

Acceleration

Age

Apparent Power

Area

Bit Rate

Decibel

between

Meter-Squared (m2)

Area (acre)

Centimeter-Squared (cm2)

Foot-Squared (ft2)

Hectare (hectare)

Inch-Squared (in2)

Kilometer-Squared (km2)

Conheça o seu Motor de Busca (Plataforma)

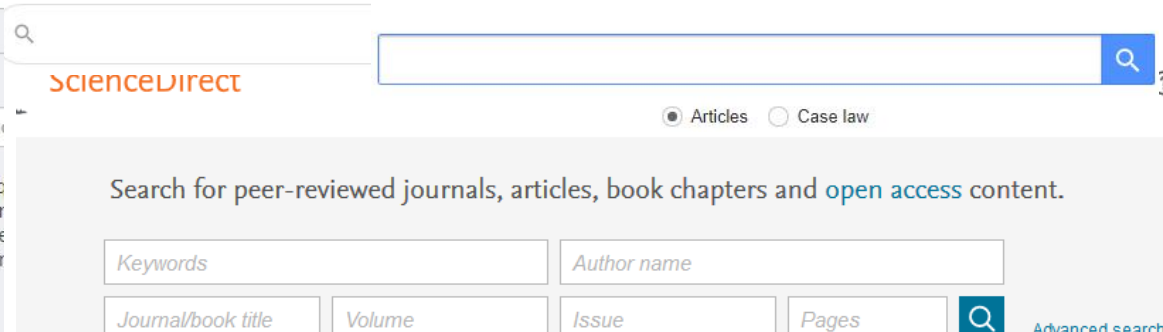
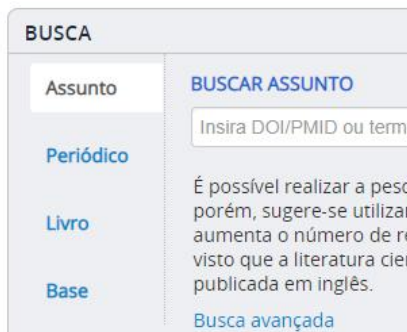
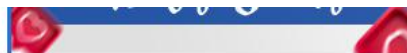
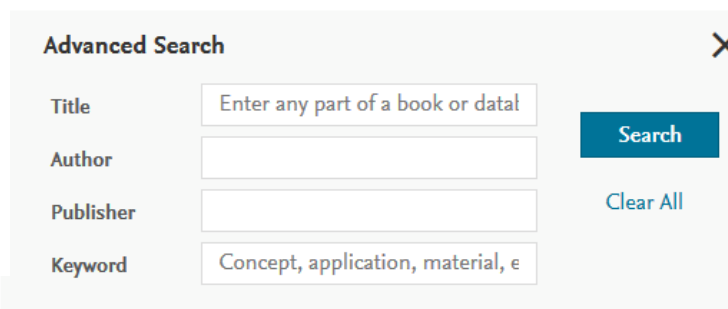
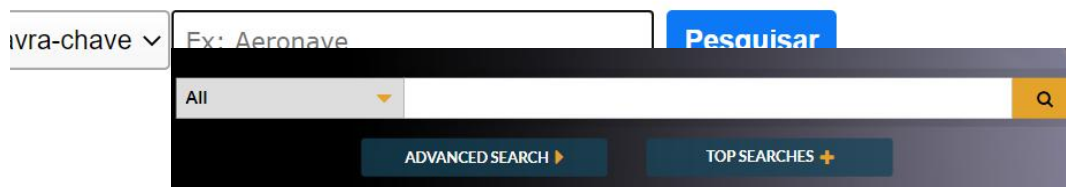
Opções de Busca

Textual Básica / Avançada /
Numérica / Propriedade / Visual

Ferramentas de Filtragem

Filtros dinâmicos /
Recomendações

Sintaxe lei de formação de
frases de busca / expressão
lógica



Motores de Busca

- . **Sintaxe** – gramática, estudo das palavras dentro de frases/orações e como se relacionam entre si.
- . **Autostemming** – definição do radical, busca por diferentes terminações
 - controllers / control / controlling / controlled / controls*
 - ativação individual: *\$controller*
- . **AutoSuggest** – recomendação de expressões, com base em Vocabulário Controlado
 - . Índices disponíveis
 - . *Special Characters*
 - . *Stopwords*
 - . *Wildcards and truncation*
 - . Idioma – American vs British colour vs color
- . **Concepts / Conceitos**

Criação da Estratégia de Busca

Busca Básica

Busca Avançada

Sintaxe
Códigos Campos



Quick search

Search in: All fields for Search for... e.g. transcri

AND All fields for Search for... e.g. transcri

OR All fields for Search for... e.g. transcription factors AND jon smith

NOT All fields for Search for... e.g. transcription factors AND jon smith

Busca Básica

Databases ^ Date v Language v Document ty

All Compendex Inspec NTIS

EnCompass.LIT EnCompass.PAT GEOBA

Kamei

Documents Authors Affiliations Advanced

Enter query string

Busca Avançada

Search tips ?

Search Q

ALL("Cognitive architectures") AND AUTHOR-NAME(smith)
 TITLE-ABS-KEY(*somatic complaint wom?n) AND PUBYEAR AFT 1993
 SRCTITLE(*field ornith*) AND VOLUME(75) AND ISSUE(1) AND PAGES(53-66)

Operators

AND
OR
AND NOT
PRE/
W/

Field codes ?

Textual Content

Abstract (ABS)
All Fields (ALL)
Doc Title (TITLE)
Doc Title, Abstract (TITLE-ABS)

Exemplos de Estratégias de Busca

1. rocket propulsion laboratory
 2. “rocket propulsion laboratory”
 3. rocket **and** propulsion **and** laboratory
 4. rocket **or** propulsion **or** laboratory
 5. rocket **and** propulsion
 6. rocket **and** propulsion **not** laboratory
 7. fatigue
 8. fatigu?
 9. fatigu* **not** health
 10. wearable technology
 11. “jet propulsion” **or** “rocket propulsion” **and** engine*
 12. “jet propulsion” **or** (“rocket propulsion” **and** engine*)
1. laser **ONEAR/5** diode
 2. laser **NEAR/4** diode **wn AB**
 3. laser **ONEAR/5** diode **wn TI**
 4. space **NEAR/0** stations
 5. space **ONEAR/0** stations
 6. ((lower **NEAR/3** limb) **or** (lower **NEAR/3** extremity) **wn TI**)
 7. lower **NEAR/3** (limb **or** extremity) **wn TI**
 8. lower (**NEAR/3** limb **or** extremity) **wn TI**
 9. ((lower **NEAR/3** limb) **OR** (lower **NEAR/3** extremity) **wn TI**)

Recomendações

Estratégias de Pesquisa – rapidez e relevância

- **Identificar os Conceitos** (palavras-chave, expressões, controladas)
Compartilhar com a plataforma, toda a informação conhecida
- Combinar / Ordenar e adicionar Booleanos
- **Processo: Buscar, Avaliar, Refinar, Repetir**
- Palavras controladas, Palavras-chave, Conceitos
- Palavras recomendadas / sugeridas
- Operadores booleanos / truncadores
- Documentos similares / recomendados
(guardar estratégias, criar Alertas)
- Uso de Gestor de Referências

EV – tesouro, busca numérica

SD – Topic Pages

SC – author Topics

Documentos Recomendados

Abrir **GoogleScholar / Scopus / EngineeringVillage**

Dividir para conquistar / Testar pedaços

Unir expressões

Utilizar o Guia

Consultar Documentação Apoio

Exemplo de Busca: Qualidade do Ar, Poluição, Ventilação, Aviões, Circulação

1)

circulacao de ar

air circulation

- qualidade - limpeza

air quality

Num: temperature Celsius 10-50

3 resultados

“The Impact of Increased Air Recirculation on Interior Cabin Air Quality”

2)

Qualidade do Ar: air quality

Ventilação: ventilation or ventillation or ventilator or ventilators

Polution: pollution or polution

Circulação:

air quality

"air quality"

"air quality" not ventilation

"air quality" not (ventilation or ozone)

"air quality" not (ventilation and ozone)

("air quality" pollution ventilation airplane)

3) Recomendação

- **análise por partes**
- **uso do tesauro, confirmação da grafia e uso da palavra**
- **revisão de Documentos similares**

Próximas Sessões:

Biblioteca Comunitária:

<https://www.bco.ufscar.br/news/serie-de-webinarios-voltados-para-as-areas-de-engenharias-e-ciencias-exatas>

Instagram: <https://www.instagram.com/p/CFxO3bCgg8x/>

Facebook:

<https://www.facebook.com/BCoUFSCar/photos/a.1133969860132012/1475092179353110/>

- 1- Revisão Bibliográfica em Engenharia (EngineeringVillage/Compendex)
Data: 07/Out, Hora: 16h00-16h45min
- 2- Estratégias de Pesquisa – rapidez e relevância
Data: 14/Out, Hora: 16h00-16h45min
- 3- Análise Bibliométrica na Engenharia
Data: 21/Out, Hora: 16h00-16h45min
- 4- Recomendações de Produção Científica em Engenharia
Data: 28/Out, Hora: 16h00-16h45min

