



Compendex / EngineeringVillage

Para uma revisão bibliográfica
Ampla e Completa em Tecnologia

Luiz Baginski (l.baginski@elsevier.com)

(2021Apr13@14h-15h)



Para uma revisão bibliográfica completa em Tecnologia

Agenda:

1. Fontes de Informação Científica – Bases Referenciais

2. **Compendex / EngineeringVillage**

2.1. Conteúdo – tipos de documentos / editores

2.2. Plataforma

- opções de busca
 - básica / avançada / autor / afiliação
- campos de busca
- filtragem dos resultados
 - ordenação de resultados
- revisão dos resultados (gráficos)
- perfil e guarda das estratégias de busca

3. Vocabulário Controlado (Tesauro)

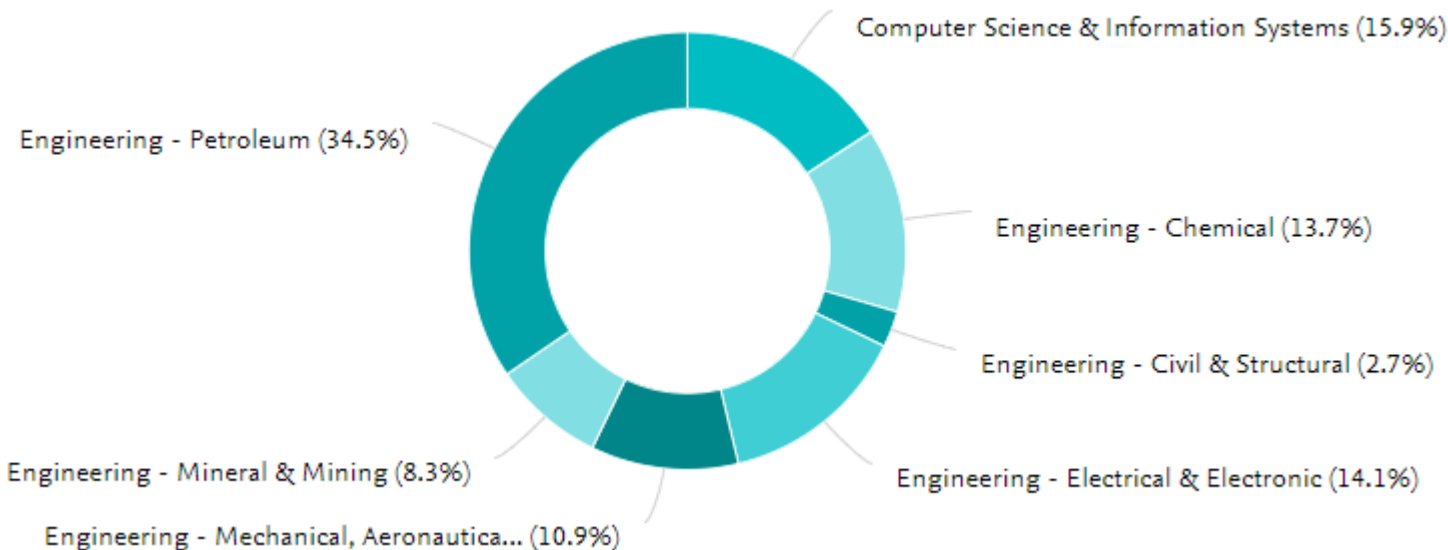
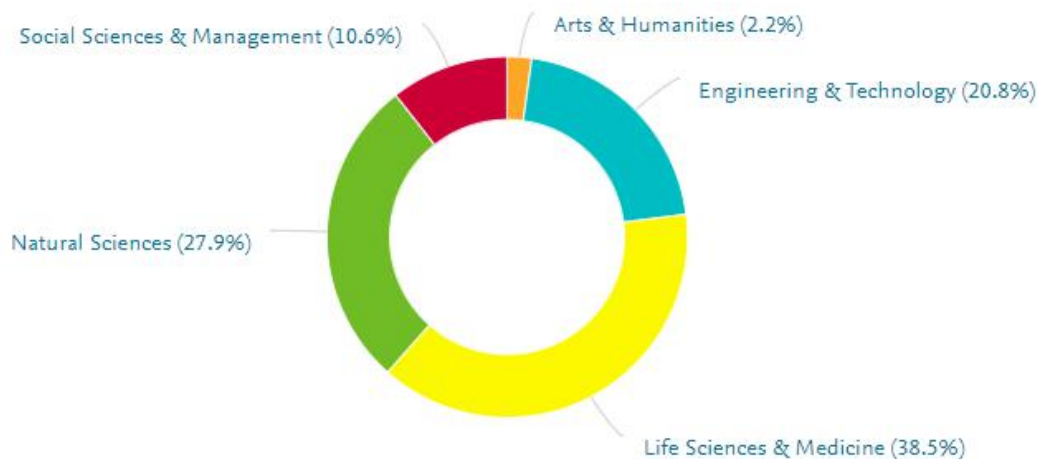
4. Filtro Numérico

5. Perfil de Engenharia

6. Perguntas e Respostas

Produção Científica – Engenharia

(SciVal – 2015-2020 / QS ; Compendex 2011-2022)



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



ELSEVIER

Material de apoio e Redes Sociais

Elsevier Pesquisa LAS *Latin South*

Compendex (EngineeringVillage)

<http://engineeringvillage.com>

<https://www.elsevier.com/engineeringvillage>



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-**Facebook:** /ElsevierPesquisa

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

-**Twitter:** @ElsevierPesquisa

<https://twitter.com/ElsevierPesquisa>

-**Youtube:** @ElsevierPesquisa

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

Páginas Corporativa e Produtos:

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



Bases de Dados

(páginas Web, Recursos de Informação qualificada / científica)

1. Texto:

1.1 Citações

1.2 Índices e Resumos (A&I)

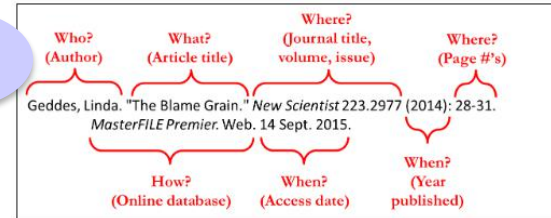
1.3 Texto completo

2. Dados ou Numérica

3. Mapas

4. Vídeos/filmes/imagens

1.1



1.2

Research and implementation
 Zhao, Desheng ¹; Liu, Xiaoyu ¹

Source: *Agro Food Industry Hi-Tech*, v 28, n 1, p 1-5, 2015

Author affiliation: ¹ Langfang Polytechnic

Abstract: Artificial intelligence has reached artificial intelligence technology has developed transaction, which can be applied and sent the research and implementation of financial decision model based on Agent intelligence can be used for risk prevention more powerful. (15 refs)

Main heading: Finance

Controlled terms: Agents - Artificial intelligence

Uncontrolled terms: Artificial intelligence Problems and Solutions - Risk prevention

Classification code: 723.4 Artificial intelligence

3

Dados Bibliográficos

Título, Autor, Resumo

Vocabulário

Controlado - Tesouro

Não Controlado – Palavras-chave

Link ao texto completo

Referências bibliográficas

Documentos relacionados

Métricas

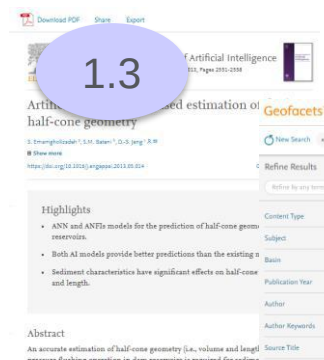
Científicas/Citações (Scopus)

Não Científicas Redes Sociais (PlumX)

Exportação Citação

Dados bibliográficos, Gestores - Mendeley

1.3

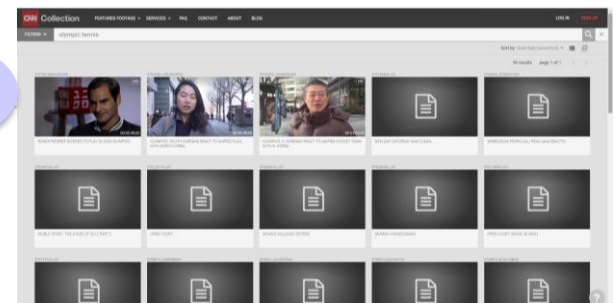


1. Catálogos de Bibliotecas

2. Repositórios Institucionais

3. Bases de dados

4





EngineeringVillage (14 bases de dados)

uma única plataforma de grande alcance



Engineering Village

1- Compendex

14- Knovel

**11- USPTO
12- EPO
13- WIPO**



2- Inspec



**3- Georef
4- Geobase**



**5- Chimica
6- CBNB**



**enCompass
7- Literature /
8- Patents**



9- PaperChem

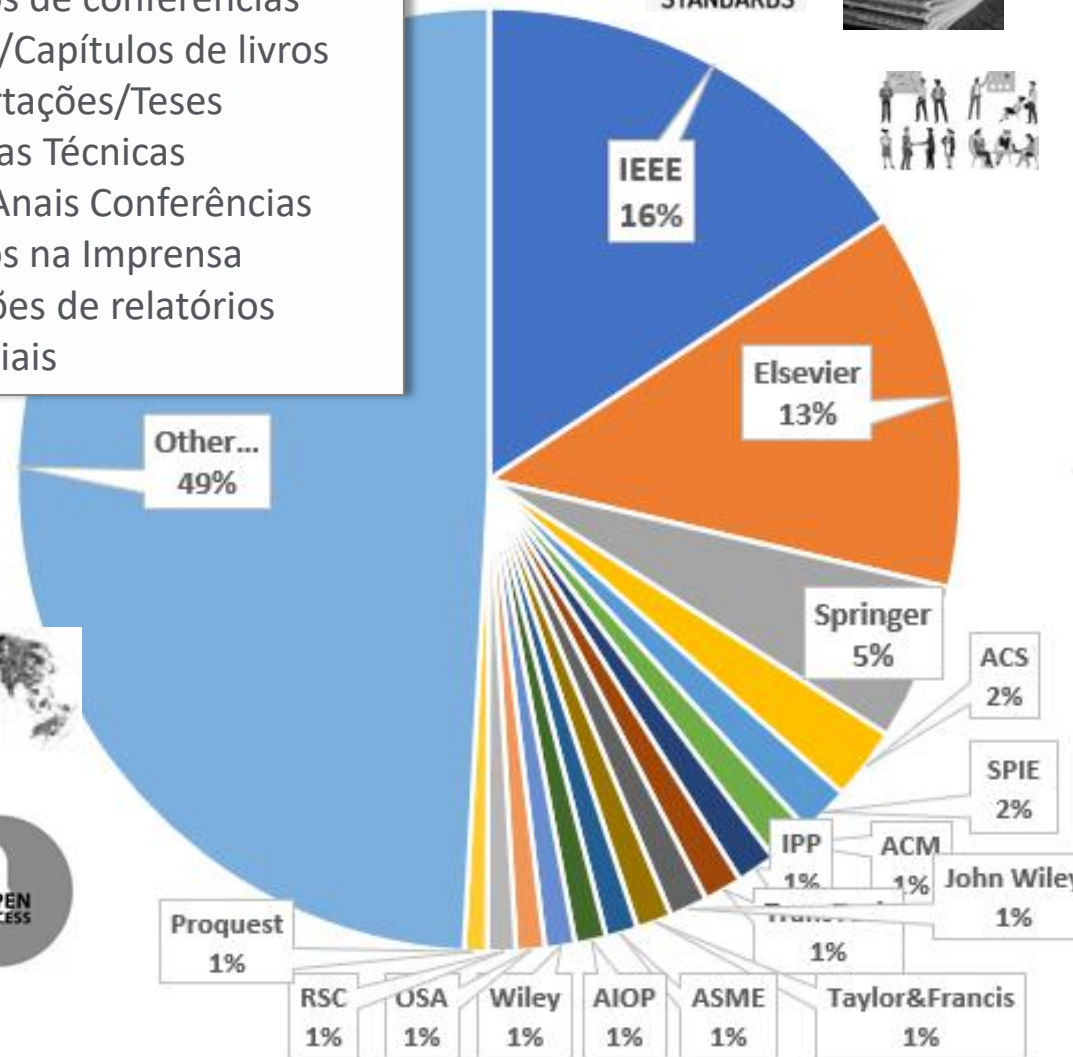
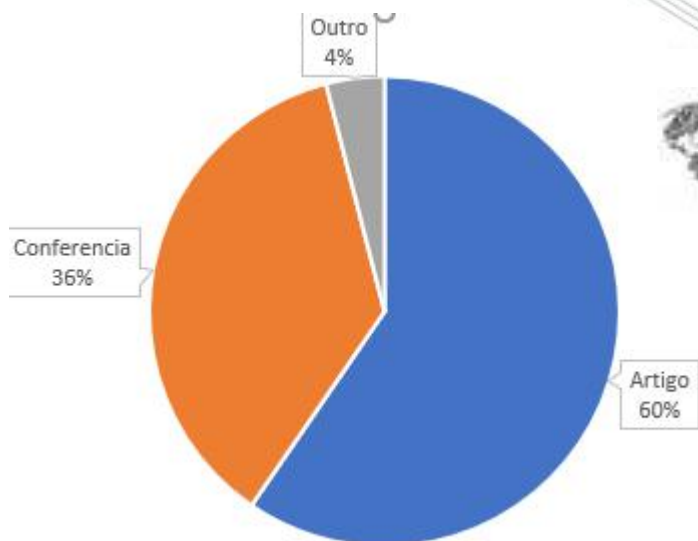


10- NTIS

Compendex Conteúdo

- 27 M registros (A&I) (93,6%)
- 2 M *OpenAccess* (7,4%)
- 190 disciplinas
- 5 M opções fomento
- 209 m dissertações
- 195 m normas técnicas
- 81 países
- 2,5 m editores
- 3,7 m revistas científicas

- Artigos científicos
- Artigos de conferências
- Livros/Capítulos de livros
- Dissertações/Teses
- Normas Técnicas
- Atas/Anais Conferências
- Artigos na Imprensa
- Revisões de relatórios
- Editoriais



1

Um ponto central de descoberta



302 K



ACS
Chemistry for Life®

585 K



15 K



17 K



Association for
Computing Machinery

362 K



18 K



200 K

ProQuest Dissertations
& Theses Global



18 K



488 K



CAMBRIDGE
UNIVERSITY PRESS

33 K



The Institution of
Engineering and Technology



emerald
PUBLISHING



Shaping the Future of Aerospace



nature publishing group

24 K



IEEE

5.2 M



Wolters Kluwer



153 K



SpringerLink

1.2 M



2

Tesouro Ei (Engineering Index)

(vocabulário controlado especializado – Engenharia e Tecnologia)
Criado em 1884 – em permanente atualização

Palavra Controlada
e
Palavra Chave

Garantia de:

PRECISÃO
AGILIDADE
RELEVÂNCIA

Lista de palavras
Grupos e Conceitos
Relacionados

☐ Renewable energy resources 

For: Energy resources--Renewable*; Green energy; Renewable energy;
Sustainable energy

Broader terms

☐ Energy resources

Related terms

☐ Low grade fuel firing

☐ Power generation

Narrower terms

☐ Biomass

☐ Geothermal energy

☐ Solar energy

☐ Water power

☐ Wind power

Termos mais
Amplos,
Relacionados, mais
Específicos

de 22K para 27M de registros

11.623

PREFERRED
TERMS

10.350

NON-PREFERRED
TERMS

859

CLASSIFICATION
CODES

13.632

BT
relationships

18.747

RT
relationships

10.064

USE
relationships

MCC
relationships

11.016

OCC
relationships

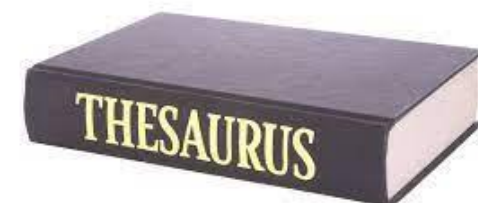
8.316

UA and UO
relationships

578

22.832

TOTAL TERMS





Filtro Numérico

Padronização de medidas Sistema Internacional

2- Conversão / Normalização

63 feet... 63 ft = 63 feet = 63 foot = 21 yards = 21 yard = 21 yd = 19 meters = 19 metres = 19 m = 1920 centimeters = 1920 centimetres = 1920 centi-meters = 1920 centimetres = 1920 centi-metres = 1920 cm

SI Units	
Quantity Measured	Unit (symbol)
Size	Meter (m)
Mass	Kilogram (kg)
Time	Second (s)
Electric Current	Amper (A)
Temperature	Kelvin (K)
Amount of Substance	Mole (m)
Luminous intensity	Candela (cd)

1- Identificação de Números e Propriedades

Design and testing of 45 kV, 50 kHz pulse power supply discharges

Sharma, Surender Kumar¹ ✉; Shyam, Anurag¹

Source: Review of Scientific Instruments, v 87, n 10, October 1, 2016, 10.1063/1.4964507; **Article number:** 105115; **Publisher:** American Institute of Physics

Author affiliation:
¹ EandED, Bhabha Atomic Research Center, Visakhapatnam, India

Abstract:
The design, construction and testing of a pulse power supply system for the generation of high voltage and high frequency discharges is presented. The power supply can with 1.2 kW input power and less than 2 μs and plasma load conditions intermediate capacitor pulses. Semiconductor supply is tested with the performance of the power supply.

Wind survival strategy for a large point focusing solar collector: Analytical results of a 71 m/s (160 mph) gust study

Bilodeau, E.A.¹; Durbin, J.E.¹; Rogers, W.E.¹

Source: American Society of Mechanical Engineers, Solar Energy Division (Publication) SED, p 477-482, 1989; **Conference:** Solar Engineering 1989 - Proceedings of the Eleventh Annual ASME Solar Energy Conference, April 2, 1989 - April 5, 1989; **Sponsor:** ASME, Solar Energy Div, New York, NY, USA; **Publisher:** Publ by American Soc of Mechanical Engineers (ASME)

Author affiliation:
-

Millimeter-scale traveling wave rotary ultrasonic motors

Rudy, Ryan Q.^{1, 2} ✉; Smith, Gabriel L.¹ ✉; DeVoe, Don L.² ✉; Polcawich, Ronald G.¹ ✉

Source: Journal of Microelectromechanical Systems, v 24, n 1, p 108-114, February 1, 2015; **ISSN:** 10577157; **DOI:** 10.1109/JMEMS.2014.2317778; **Article number:** 6825800; **Publisher:** Institute of Electrical and Electronics Engineers Inc.

Author affiliation:
¹ Sensors and E

Novel MEMS 900 MHz electrostatic silicon delay line

Tabib-Azar, Massood¹ ✉; Alzoubi, Khawla²; Saab, Daniel²

Source: Proceedings of IEEE Sensors, p 205-207, 2010, IEEE Sensors 2010 Conference, SENSORS 2010; **ISSN:** 19300395; **E-ISSN:** 21689229; **ISBN-13:** 9781424481682; **DOI:** 10.1109/ICSENS.2010.5690425; **Article number:** 5690425; **Publisher:** Institute of Electrical and Electronics Engineers Inc.

Author affiliations:
¹ ECE and Bioengineering Departments, University of Utah, Salt Lake City, UT 84112, United States
² EECs Dept., Case Western Reserve University, Cleveland, OH 44106, United States

Abstract:
We report design, fabrication and operation of a silicon acoustic delay line suitable for low voltage (1-5 V) and high-frequency (10 MHz-10 GHz) operations and implementation of signal processing and transversal filters. The acoustic

Optical receivers in 0.35 μm BiCMOS

Milovanec, Dinka¹ ✉; Brandl, Paul¹ ✉; Zimmermann, Horst¹ ✉

Source: Formal Proceedings of the 2016 IEEE Circuits and Systems, DDECS 2016, May Symposium on Design and Diagnostics of 9781509024674; **DOI:** 10.1109/DDECS.2016.7509024; **Publisher:** Institute of Electrical and Electronics Engineers Inc.

Author affiliation:
¹ Institute of Electrodynamics, Microwave

3- Uso do Filtro Numérico

Seleção Propriedade Física

Operador e Valor

Unidade

By physical property

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

Size

between from to

Meter (m)

Refine



Size

Acceleration

Age

Apparent Power

Area

Bit Rate

Decibel



between from to

=

>

>=

<

<=

between

Refine

Download all



Meter-Squared (m2)

Refine

Acre (acre)

Centimeter-Squared (cm2)

Feet-Squared (ft2)

Hectare (hectare)

Inch-Squared (in2)

Kilometer-Squared (km2)

Qualidade, Diversidade, Relevância e Amplitude

1. Conteúdo Estabelecido:

Top Publishers

Livros,
Teses
Dissertações



2. Conteúdo Histórico, Inovador:

Artigos Científicos
Documentos de Conferências



3. Conteúdo Aplicado:

Normas Técnicas

Top Standards



Coming soon



American Concrete Institute
Advancing sustainability



American Water Works Association



The Institution of
Engineering and Technology



Acesso à Plataforma **Engineering Village** base de dados **Compendex**

Página do **Portal de Periódicos CAPES**

<http://periodicos.capes.gov.br>



Buscar base
= 'compendex'

Acesso CAFe

Suporte

Treinamentos
Materiais didáticos
Dispositivos móveis

The screenshot shows the 'Portal de Periódicos CAPES/MEC' website. The header is blue with the text 'Portal de Periódicos CAPES/MEC' and 'Acesso livre'. Below the header, there is a breadcrumb trail: 'PÁGINA INICIAL > BUSCA > BUSCAR BASE'. The main content area is divided into two columns. The left column contains the 'periodicos.' logo, the 'CAPES' logo, and a 'BUSCA' section with a list of search options: 'Buscar assunto', 'Buscar periódico', 'Buscar livro', and 'Buscar base'. The 'Buscar base' option is circled in red. The right column is titled 'Buscar base' and contains a search bar with the text 'compendex' entered. Below the search bar, there are radio buttons for 'Contém a palavra', 'Inicia com a palavra', and 'Palavra exata'. The 'Contém a palavra' option is selected. Red arrows point from the 'Buscar base' option in the left column to the search bar in the right column, and from the search bar to the search results area.

Portal de
Periódicos
CAPES/MEC

Acesso livre

PÁGINA INICIAL > BUSCA > BUSCAR BASE

Buscar base (Selecione uma das opções abaixo)

Buscar por título Busca por área do conhecimento Busca avançada

AB C D E F G H I J K L M N O P Q R S T U V W X Y Z Outro(a) | VER TODAS

Palavra no título:

compendex

☒ Contém a palavra ☐ Inicia com a palavra ☐ Palavra exata

Plataforma de busca EngineeringVillage

[Search](#) ▾Alerts ²⁵Selected records ⁰ ▾

Luiz Baginski ▾



Quick search

Search in:

All fields

for *Search for... e.g. transcription factors AND jon smith*

AND ▾

All fields

for

Search for... e.g. transcription factors AND jon smith ☒ AND

All fields

for

Search for... e.g. transcription factors AND jon smith 

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 ☒ All fields☐ Subject/Title/Abstract☐ Abstract☐ Author☐ Author affiliation☐ TitleMy organization Elsevier - Demonstration
Account, ** Elsevier Juniper IP
**(Dayton)[Change Organization](#)[Remote Access Activation](#)[Logout](#)[Turn off AutoSuggest](#) | [+ Add search field](#) | [Reset form](#)[Databases](#) ^[Date](#) ▾[Language](#) ▾[Document type](#) ▾[Sort by](#) ▾[Browse indexes](#) ▾[Autostemming](#) ▾[Discipline](#) ▾[Treatment](#) ▾

- | | | | | | | |
|------------------------------|---|---------------------------------------|----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| ☐ All | ☒ Compendex | ☐ Inspec | ☐ NTIS | ☐ PaperChem | ☐ Chimica | ☐ CBNB |
| | ☐ EnCompassLIT | ☐ EnCompassPAT | ☐ GEOBASE | ☐ GeoRef | ☐ US Patents | ☐ EP Patents |
| | ☐ Knovel | | | | | |



Exemplo de busca (por palavras):

1. Pontes de concreto (bridges and concrete – 41.973)
2. para trens (railroad),
3. com extensão maior que 4 quilômetros (size $\geq$ 4km)

Quick search: All fields



for bridges and concrete

Turn off AutoSuggest

Databases ^

Date ▾

Language ▾

Document type ▾

Sort by ▾

Browse indexes ▾

Auto

39487 records found in Compendex for 1884-2018: ((bridges and concrete) WN All fields)

Alert Save RSS

Refine <<

Numeric filter ⓘ ▾

By category

Download all ⬇ ⬆ ⬇

Limit to

Exclude

1. ☐ Impact in highway prestressed concrete bridgesWang, T.L. (Florida Intl Univ, Miami, United States); Shahawy, M.; Huang, D
525-534, Jul 17 1992

Database: Compendex

Detailed

Show preview ▾

Cited by in Scopus (15)

Full text ➔

Numeric filter ⓘ ▾

Refine results

Limit to

Exclude

Add a term

Controlled vocabulary

Author

Author affiliation

Classification code

Country

Document type

Language

Year

Source title

Publisher

Funding sponsor

Exemplo de busca (filtro por palavras controladas):

1. Pontes de concreto (bridges and concrete – 41.973)
2. para trens (railroad, bridges – 924),
3. com extensão maior que 4 kilometros (size $\geq$ 4km)

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Search Results Alerts ²⁵ Selected records ⁰ Luiz Baginski

Numeric filter

Refine results

Limit to Exclude

Add a term

Controlled vocabulary

☐ Bridges (8551)

☐ Concretes (7928)

☐ Reinforced Concrete (7100)

☐ Concrete Bridges (5096)

☐ Concrete Construction (4854)

[View all >](#)

Author

Author affiliation

Classification code

Country

Controlled vocabulary

☐ Bridges (8551)	☐ Design (1502)	☐ Computer Simulation (1003)
☐ Concretes (7928)	☐ Concrete Buildings (1486)	☐ Columns (Structural) (997)
☐ Reinforced Concrete (7100)	☐ Concrete Slabs (1380)	☐ Cables (930)
☐ Concrete Bridges (5096)	☐ Seismology (1331)	☐ Deformation (910)
☐ Concrete Construction (4854)	☐ Fiber Reinforced Plastics (1327)	☐ Concrete Testing (901)
☐ Finite Element Method (3893)	☐ Tubular Steel Structures (1287)	☐ Prestressing (899)
☐ Bridge Decks (3485)	☐ Corrosion (1282)	☒ Railroad Bridges (868)
☐ Structural Design (3237)	☐ Building Materials (1221)	☐ Structural Health Monitoring (868)
☐ Concrete Beams And Girders (3119)	☐ Cable Stayed Bridges (1201)	☐ Composite Beams And Girders (861)
☐ Prestressed Concrete (2638)	☐ Steel (1191)	☐ Piers (859)
☐ Bridges, Concrete (2386)	☐ Stiffness (1188)	☐ Composite Bridges (855)
☐ Beams And Girders (2308)	☐ Steel Bridges (1158)	☐ Fibers (854)
☐ Reinforcement (2169)	☐ Mathematical Models (1153)	☐ Damage Detection (852)
☐ Arch Bridges (2107)	☐ Durability (1141)	☐ Bridges, Highway (838)
☐ Cracks (2073)	☐ Repair (1125)	☐ Reinforced Plastics (837)
☐ Structural Analysis (1826)	☐ Precast Concrete (1108)	☐ Ductility (836)
☐ Maintenance (1800)	☐ Compressive Strength (1089)	☐ Concrete Reinforcements (835)
☐ Civil Engineering (1725)	☐ Earthquakes (1086)	☐ Nondestructive Examination (828)
☐ Box Girder Bridges (1627)	☐ Bridge Piers (1078)	☐ Chlorine Compounds (804)
☐ Highway Bridges (1531)	☐ Arches (1039)	

[View less](#) [Limit to](#) [Exclude](#)

1. ☐ **New trends in**
Virlogeux, M. (24)
Database: Com
Detailed Show p

2. ☐ **Impact in high**
Wang, T.L. (Florida
1992
Database: Com
Detailed Show p

3. ☐ **Impact in high**
Wang, T.L.; Shaha
Database: Com
Detailed Show p

4. ☐ **Preferred Con**
Rossner, Wolfgan
Stahlbetonbau, v 8

Exemplo de busca (filtro numérico):

1. Pontes de concreto (bridges and concrete – 41.973)
2. para trens (railroad, bridges – 924),
3. com extensão maior que 4 kilometros (size $\geq$ 4km)

868 records found in Compendex for 1884-2018: (0)

Create alert Save search RSS feed Display: 25

Sort on: Relevance

1 of 35 pages >

Numeric filter ⓘ

Size

Kilometer (km)

Greater or equal

4

Continue

Refine results

Limit to Exclude

Add a term

Controlled vocabulary

☐ Reinforced Concrete (344)

☐ Concrete Bridges (287)

☐ Concretes (261)

☐ Railroads (217)

☐ Concrete Construction (186)

View all >

1. ☐ Evaluation
Davis, Allan (Source: Proceedings of the 10th Symposium 2004 - Concrete Structures: The Challenge of Creativity, p 210-211, 2004, Structures - A Structural Engineering Database: Detailed Show preview Cited by in Scopus (1) Full text

2. ☐ Pretensioned prestressed concrete beam bridges and industrial structures
Passeman, Pierre (CERIB, Eprenon, France); Doan, Van-Tho; Boyer, Philippe (Source: Proceedings of the 10th Symposium 2004 - Concrete Structures: The Challenge of Creativity, p 210-211, 2004, Structures - A Structural Engineering Database: Detailed Show preview

3. ☐ Life-cycle
Grace, Nabil (Source: Proceedings of the 10th Symposium 2004 - Concrete Structures: The Challenge of Creativity, p 210-211, 2004, Structures - A Structural Engineering Database: Detailed Show preview

4. ☐ Seismic response of reinforced concrete bridges

Mass

Mass Density

Percentage

Size

Time

Velocity

Select unit

Centimeter (cm)

Foot (ft)

Inch (in)

Kilometer (km)

Meter (m)

Operator

Equals

Greater than

Greater or equal

Less than

Less or equal

Numeric filter ⓘ

Size

Kilometer (km)

Greater than

4

Continue

Exemplo de busca:

1. Pontes de concreto (bridges and concrete – 41.973)
2. para trens (railroad, bridges – 924),
3. com extensão maior que 4 kilometros (size $\geq$ 4km – 27)

Engineering Village™
The first choice for serious engineering research.

Search ▾ Results Alerts ²⁵ Selected records ⁰ ? ▾ Luiz Baginski ▾

27 records found in Compendex for 1884-2018: ((bridges and concrete) WN ALL) × + {railroad bridges} WN CV × + (NU_SIZE GTE 4 km) ×

Create alert Save search RSS feed Display: 25 results per page Sort on: Relevance

Numeric filter ⓘ

Size ▾

Kilometer (km) ▾

Greater than ▾

4

Continue

Classification code Country Document type Language Year Source title

3. ☐ Long-term seismic performance of reinforced concrete bridges

ou, Yu-Chen (Department of Construction Engineering, National Earthquake Engineering and Structural Dynamics, v 42, n 14, p 211)

Database: Compendex

Detailed Show preview ▾ Cited by in Scopus (14) Full text

Processo de filtragem:

0. 25.000.000

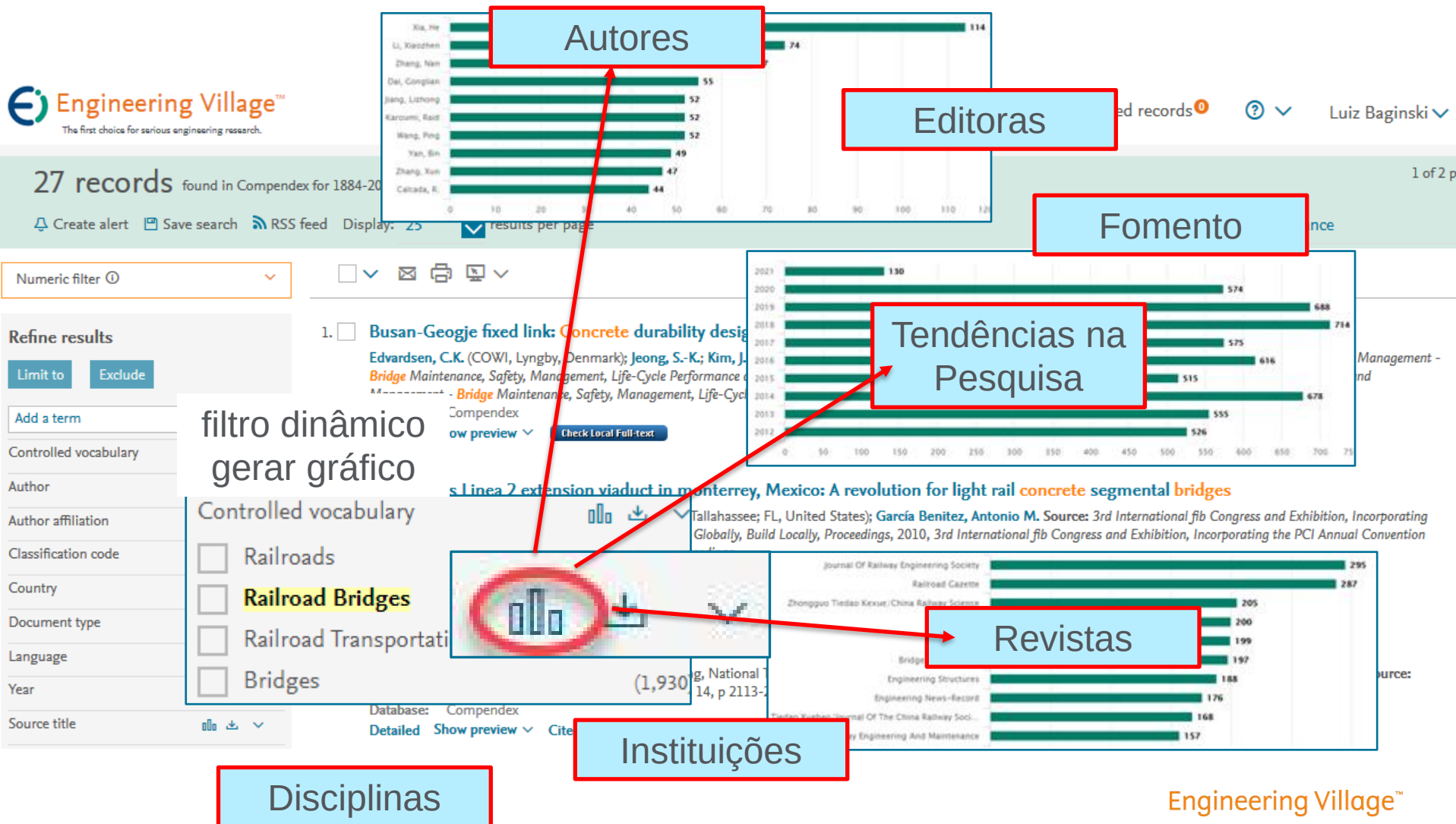
1. 41.973

2. 924

3. 27



Análise Contextual (*railroad bridges*) – Mais Relevantes



Um Registro – Resumo e Índices (*Abstract & Indexes*)

[Back to results](#)

Full text

Check Local Full-text

[Abstract](#)[Detailed](#)[Compendex Refs 5](#)

PlumX Metrics 1

[See details](#)[Usage](#)

Abstract Views: 1

[Captures](#)

Readers: 2

[Citations](#)

Citations: 2

☐ **Metrorrey's linea 2 extension viaduct:** A revolution for light-rail precast concrete segmental bridges

Baamonde, Juan José Goñi ¹; Garcia, Antonio M. ¹; Benitez ¹Source: *PCI Journal*, v 54, n 4, p 175-188, Fall 2009; ISSN: 08879672; DOI: 10.15554/pcij.09012009.175.188; Publisher: Precast/Prestressed Concrete InstituteAuthor affiliation : ¹ Department of

Abstract: Metro of Monterrey's Line 2 extension includes a revolutionary concept: a 37-m-long (121 ft), 9.2-m-wide structure envelope, which reduces structural reinforcement per cubic meter. Bridges typically contain concrete and longitudinal internal tendons. Light-rail bridges. (5 refs)

Main heading: Precast concrete

Controlled terms: Box girder bridge

Uncontrolled terms: Greased concrete

Bridges

Int d

- Dados Bibliográficos
Título, Autor, Resumo
Vocabulário
Controlado - Tesauro
Não Controlado – Palavras-chave
- Link ao texto completo
- Referências bibliográficas
- Documentos relacionados
- Métricas
Científicas/Citações (Scopus)
Não Científicas Redes Sociais (PlumX)
- Exportação Citação
Dados bibliográficos, Gestores - Mendeley

Related Documents

Dynamic test and analysis of curved bridges

Huang, Dongzhou

(2005) *Transportation Research Record*
Database: Compendex

Dynamic tests of curved concrete bridges

Rodrigues, Jorge ; Ledesma, Maíra
(2014) *Proceedings of the International Structural Dynamic , EURODYN*
Database: Compendex

Experimental research on noise reduction of concrete box-girder bridges on in

Li, Xiaozhen ; Zhang, Xun ; Zhang, Xun
(2015) *Proceedings of the Institution of Civil Engineers, Part F: Journal of Rail and Road Engineering*
Database: Compendex

Tools in Scopus

This article has been cited 2 times

Wu, X.; Liu, X.

Cause analysis and preventive measures for longitudinal cracks in bottom slab of concrete box-girder bridges

(2011) 2011 International Conference on

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

O Perfil de Pesquisa (*Engineering Research Profile*)

- Number of documents
- Top Authors
- Subject areas
- Research focus
- Source titles
- Funding sources
- Published in last past 10 years

