

# Faculty of Engineering & Environment:

finding information in a UK academic  
institution

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August 2017

University Library

# What we will be doing today

## Explore LibGuides@Southampton to:-

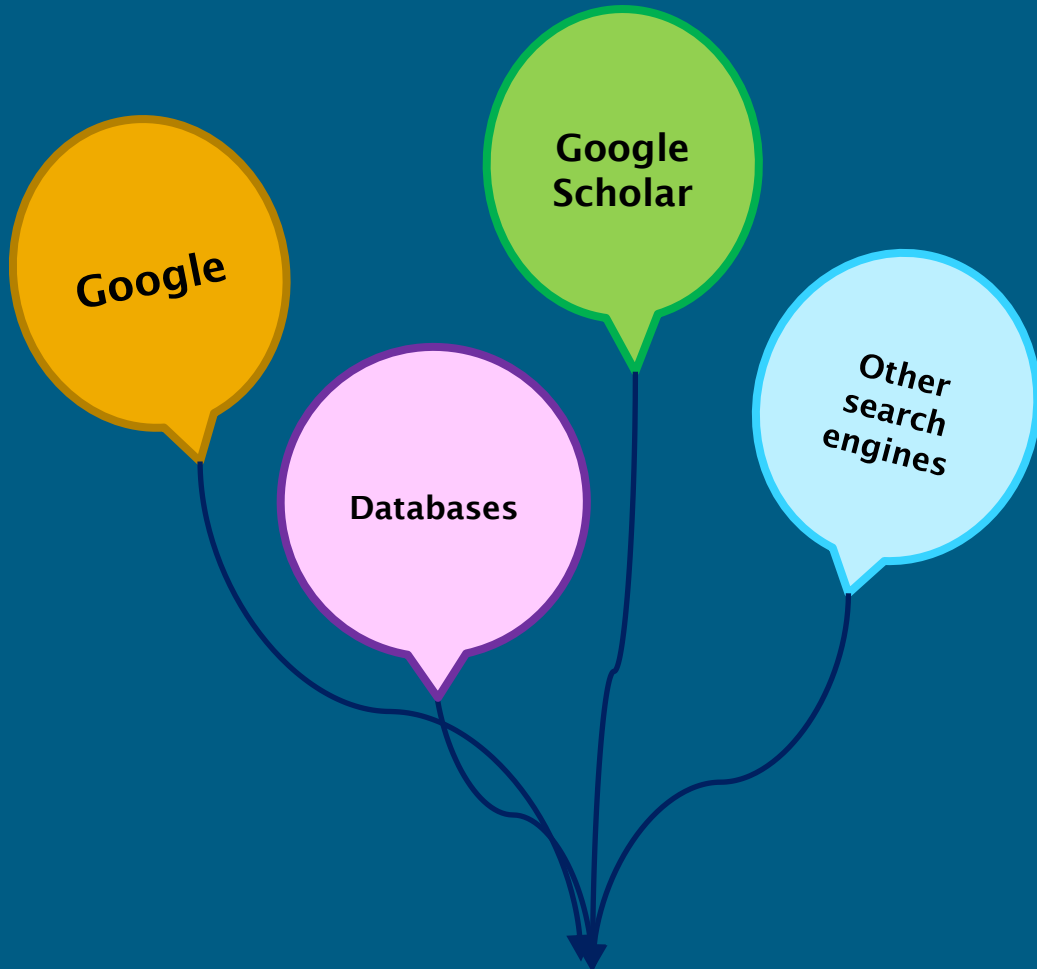
- Find key research material
- Identify relevant Electronic Resources
- Search effectively
- Keeping up to date
- Track down the full text and manage references



# Exploring LibGuides @Southampton

**Look at the library website**

**<http://library.soton.ac.uk/>**





# Internet Searching

- **Google, etc.**
    - Useful for finding free content
    - No quality controls, need to evaluate
    - Scientific versions (Google Scholar) more focused on research material
    - Search Compendex, etc., as well to avoid missing out on important articles
- But there are other useful resources ...**

# Gateways

- **Web Gateways**

- See subject guide (Websites)
- Specialist search engines
- E.g. AERADE, iCrank, Naval Technology, iCrank; ELDIS; Inst of Acoustics, CFD Online
- Links to professional organisations



# Demonstration

**Log on to Sussed, select the Library tab and then LibGuides.**

**Follow the steps being demonstrated.**

# Using other resources

## Resources

- **Learned societies (IMechE, ICE etc)**
- **Publishers**
- **E-print repositories**

## Things to consider

- **coverage**
- **quality of search interface**
- **availability of full text**
- **'authority' of the resource**

# Resources: Technical Information

- **Patents**
- **Standards**
  - British Standards Online (BS / some ISO, IEC, etc.)
  - IEEEXplore
- **Engineering Sciences Data Unit (ESDU)**
  - Engineering methods / data

# Databases & Indexes e.g. Compendex, Scopus, Inspec, Web of Science and Medline

- **Mostly articles from quality journals (some books, conferences)**
  - Well indexed enabling you to search in detail
  - Abstracts (summary of the article)
  - References (Many try to link to the full text)
  - Peer reviewed publications
- **We won't have every journal they index**
  - Our Inter-Library-Loans service can probably get a copy

# Other sources for journal articles

## ▪ DelphiS

- Searches Web of Science Core Collection, Scopus, WebCat and many of our full text collections
- Search conference proceedings poorly
- Fairly good for a ‘quick and easy search’

# Also remember other sources

- **Books – including research monographs**
  - Search Webcat for our holdings
  - Also other catalogues e.g. COPAC
- **Theses**
  - Search Webcat for our PhD theses
  - Proquest Dissertations & Theses: UK & Ireland
- **Data (Statistical, Financial etc.)**

# Basic Demo



# Finding the full text

<http://www.flickr.com/photos/thefirebottle/122895549/>



# Routes to full text

- **Database full text links**
- **Sometimes links to journals we don't buy**
- **Full Text Finder (from database or library web pages)**
  - **doesn't have all print journals**
- **If the above do not exist or don't work always ...**

**Results: 1,516**  
(from All Databases)

You searched for: TOPIC: (CFD)  
AND TOPIC: (airfoil) ...More

Refine Results

Search within results for...

Databases

Research Domains

- SCIENCE TECHNOLOGY
- SOCIAL SCIENCES

Refine

Research Areas

- ENGINEERING
- PHYSICS
- MATHEMATICS
- BUSINESS ECONOMICS
- ENERGY FUELS

more options / values...

Refine

Document Types

Sort by: Publication Date -- newest to oldest ▾

Page 1 of 152

Select Page



Save to EndNote online

Add to Marked List

Create Citation Report

- 1. **Flow-induced vibration of an elastically mounted airfoil under the influence of the wake of a circular cylinder**

By: Derakhshandeh, J. F.; Arjomandi, M.; Dally, B.; et al.

EXPERIMENTAL THERMAL AND FLUID SCIENCE Volume: 74 Pages: 58-72 Published: JUN 2016

Times Cited: 0  
(from All Databases)

Usage Count ▾

Full Text Finder

View Abstract

- 2. **Transonic flutter analysis using a fully coupled density based solver for inviscid flow**

By: Kassem, H. I.; Liu, X.; Banerjee, J. R.

ADVANCES IN ENGINEERING SOFTWARE Volume: 95 Pages: 1-6 Published: MAY 2016

Times Cited: 0  
(from All Databases)

Usage Count ▾

Full Text Finder

View Abstract

- 3. **The power extraction by flapping foil hydrokinetic turbine in swing arm mode**

By: Karbasian, H. R.; Esfahani, J. A.; Barati, E.

RENEWABLE ENERGY Volume: 88 Pages: 130-142 Published: APR 2016

Times Cited: 0  
(from All Databases)

Usage Count ▾

Full Text Finder

View Abstract

- 4. **Optimum design of diffuser in a small high-speed centrifugal fan using CFD & DOE**

By: Jung, Uk-Hee; Kim, Joon-Hyung; Kim, Jin-Hyuk; et al.

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY Volume: 30 Issue: 3 Pages: 1171-1184  
Published: MAR 2016

Times Cited: 0  
(from All Databases)

Usage Count ▾

Full Text Finder

View Abstract

- 5. **Experimental and Numerical Investigation of a 60cm Diameter Bladeless Fan**

By: Jafari, M.; Afshin, H.; Farhanieh, B.; et al.

JOURNAL OF APPLIED FLUID MECHANICS Volume: 9 Issue: 2 Pages: 935-944 Part: 2 Published: MAR 2016

Times Cited: 0  
(from All Databases)

Usage Count ▾

Full Text Finder

View Abstract

# Following full text finder

Full Text Finder Results

Revise Request


P/D Info 0


**DelphiS**

## Flow-induced vibration of an elastically mounted airfoil under the influence of the wake of a circular cylinder

Derakhshandeh J.F.. *Experimental thermal and fluid science* Volume: 74 Issue 1 (2016) ISSN: 0894-1777 Online ISSN: 1879-2286

Full Text Finder Results

 [View this article at Science Direct...](#) 01/01/1995 - present

 [View this article at Science Direct...](#) 01/01/1995 - present

[Top of Page](#)

[EBSCO Support Site](#) [Privacy Policy](#) [Terms of Use](#) [Copyright](#)

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# Routes to full text (cont.)

- **Search WebCat**

- **Journal articles by the journal title (use full title not abbreviations)**
- **Conference papers by the conference title**
- **Reports: try author and title (may need to search by organisation name)**

- **There may be an automatic link**

# Exceptions

- **Items not on Webcat**
  - Patents and Standards
  - Organisations eprint servers
- **Items not in UoS Libraries**
  - Inter Library Loan (ILL)

Search 🔍

This site  University

Home 🏠

Site Home ←

News

Contact us

## Library

[Home](#) | [Site Home](#) |

# Copyright Law and Your Use of E-Journals

Users of electronic journals are reminded that copyright regulations apply to material in electronic formats in the same way as they apply to printed material. Users are bound by law to observe copyright regulations.

We have had cases where systematic downloading of whole issues of some journals has been reported. Such downloading is not permitted. One publisher has already suspended access temporarily to their titles as a result of this abuse.

As with copying of printed material, whilst you may read any article that you wish to online, you should only download or print one paper from any issue of a journal. Under copyright rules each downloaded or printed item may be used only for research or private study.

In some circumstances, further copying may be permitted under the publishers' licence or through other agreements such as the CLA (Copyright Licencing Agency) licence, but this will vary between different titles.

Please contact the library (ext. 22180, email: [libenqs@soton.ac.uk](mailto:libenqs@soton.ac.uk)) for further information or if you have any questions.



# Access to Resources

# Access - on campus

- **Generally no passwords are needed**
  - A few need your Institutional (email) username & password
  - A handful have special usernames/passwords
- **If you have problems**
  - For journals check our access on WebCat
  - For other resources use links on the library website



# Access – off campus

- **For many resources Institutional Login is an option**
- **SVE will give you the same access as on campus**
- **Some journals etc. do not work off campus without SVE**



# Search Strategy

# Searching – the basics

- **Start simple – with a few keywords**
- **Look at the results – do you need:**
  - More relevance (more specific search)
  - More results (broaden search)
  - More manageable numbers – restrict in some other way (e.g. by date)
- **Aim for about 50-150 results**

# Searching techniques

- Identify keywords and concepts



# Before ....

- **Types of fuel cells used in electric cars**
- **Numerical computation of lift and drag forces in a hydrofoil sailboat**

# Searching techniques

Boolean logic

AND, OR, NOT

Truncation  
and wildcards

Symbols vary  
e.g. electron\*

Phrase searching

Enclose in quotes  
"black body radiation"

# Example search

In Compendex.

Fuel cells for use in electric cars  
search planner

# Search Strategy

- **Identify the concepts of your query**
  - Fuel cell, electric, cars
- **List alternative phrases and keywords**
  - Fuel cells > batteries
  - Electric > hybrid
  - Cars > automobile



# Break down topic into its main concepts

e.g.

- Fuel cells AND electric AND cars
  
- Hydrofoil and lift and drag

# Think about *synonyms*

- **fuel cells**
- **batteries**
- **hybrid**
- **electric**
- **automobile**
- **cat**

# Think about *synonyms*

- **Aerofoil**
- **Hydrofoil**
- **Sailboat**
- **Boat**
- **Panel method**

**Think about truncation**

**batter\* (battery or batteries)**

# Truncation

- Replaces any number of characters.
  - Sometimes works in the middle of a word.
  - Normally \* symbol, \$ in webcat
- Aero\* will find:
  - Aeroplane
  - Aeroplanes
  - Aerospace

# Wildcards

- **Replace a single character.**
  - Often can also represent zero characters.
  - Normally ? Symbol, \$ in Web of Science
- **Engine? will find both Engine and Engines but not engineering**
- **Colo?r will find both Colour and Color**

## Example searches – using and/or

- Types of fuel cells used in electric cars
  - 17 results
- “Fuel cells” and electric and cars
  - 81 results
- (“Fuel cells” or batteries) and (hybrid or electric) and (cars or automobile)
  - 675 results

[done in Web of Science July 2013]

# Phrase Searching

- If you need an exact phrase use quotation marks (“ ”)
  - e.g. “Solar Cells”
  - This makes the search more specific (finds less articles)
  - Truncation and stemming don’t always work in quotes
- In WebCat – use single quotes ( ‘ ’ )



# Refining your search

- **New search strategy with revised concepts and keywords**
  
- **Narrow your initial search using the 'Refine' options on the search screen**

# Building a reference

- **Do you have all the necessary information?**
  - Names of authors
  - Title of work
  - Title of journal/proceedings
  - Volume/issue number (if it's a journal article)
  - Page range
  - Year of publication
- **What sort of thing are you referencing?**
  - Different rules for books, journal articles, etc

# Reference style

<http://library.soton.ac.uk/citing-and-referencing/software>

- Harvard – for examples see:  
<http://library.soton.ac.uk/citing-and-referencing/harvard>
- IEEE -for examples see:  
<http://library.soton.ac.uk/citing-and-referencing/ieee>
- **Whichever you choose be consistent!**

# Mark, Export, Record

- Many databases have a 'marked record' facility or similar
- Useful articles get added to a marked/selected records area
  - Then you can print out or e-mail to yourself a list of these articles
  - Or you can export to bibliographic software like EndNote or Mendeley

Quick Search

Expert Search

Thesaurus Search

Search History (1)

DATABASE  All  Compendex  GEOBASE  Knovel

SEARCH FOR electric cars in All fields

Turn Off AutoSuggest | Add search field | Search

ADVANCED OPTIONS

23823 articles found in Compendex & Knovel for 1969-2017: ((electric cars) WN All fields)

New Search Edit Save Search Create Alert RSS feed Search history

Display: 25 results per page

Go to page: 1 of 953 Go Next >

Refine results

Limit to Exclude

Add a term

Database

- Compendex (23)
- Knovel

Author

- Van, Mierlo Joeri
- Wu, Bing Fei
- Zhang, Nong
- Li, Wei
- Yang, Zhongping

Controlled vocabulary

Classification code

Country

Document type

Language

Year

Source title

Publisher

Select: Selected Records (3) Remove all Selected Records

Email Print Download

Sort by: Relevance

Choose your download settings for this session

Location:

Format:

Output:

- My PC
- Mendeley
- RefWorks
- Google Drive
- Dropbox
- Your Folder(s)

- EndNote (RIS, Ref. Manager)
- BibTeX
- Text (ASCII)
- CSV
- Excel®
- PDF  add search
- RTF (Word®)

- Current page view
- Citation
- Abstract
- Detailed record

Remove all Selected Records after Save (My PC only)

Login or Register to save to My Preferences

Save Cancel

**Choose 'EndNote (RIS..)'**

SEN ELECTRIC CARS AND RAIL (ANALYSIS OF THE

Society of Mechanical Engineers, Part C, v 54, n 497, p 305-311, Jan 1988

Full Text Finder

ence of power cables in hybrid electric cars

a); Xu, Zhongming; Ding, Liangxu Source: Qiche Gongcheng/Automotive

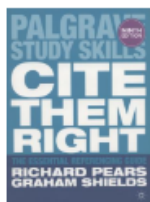
moroso, S. Source: Advances in Air Pollution, v 13, p 643-652, 2003, Air

Detailed | Show preview | Search Univ. of Southampton Library Catalogue | Full Text Finder

4. Role of electric cars in Amsterdam's transport system in the year 2015; a scenario approach

Rienstra, S.A.; Nijkamp, P. Source: Transportation Research Part D: Transport and Environment, v 3, n 1, p 20-40, Jan 1998

## Key reference books



**Cite Them Right** by  
Richard Pears; Graham  
Shields  
ISBN: 9781137273116  
Publication Date: 2013-  
05-10

All assignments need to include correct references: this book shows you how. Cite them right is the renowned guide to referencing and avoiding plagiarism. It is an essential resource for every student and author, providing clear and comprehensive coverage of a crucial part of academic study. Now in its ninth edition, the book continues to provide detailed examples for all print and electronic sources, business, government, technical and legal publications, works of art and images. Key features:

- Cite any information source, from ancient texts to Twitter
- Examples are given in Harvard, APA, MHRA, MLA, OSCOLA and Vancouver referencing styles
- Simplified advice on referencing online publications
- More sources now covered, including translated and non-English publications, graffiti, packaging, wills, medical images, statues, PowerPoint presentations and collected works
- Guidance on what is plagiarism and how to avoid it



**Doing Your Research Project** by Judith Bell;  
Stephen Waters ⓘ  
ISBN: 9780335264476

## General Guidance

Referencing your work correctly is essential. If you acknowledge the work of others you are taking steps to avoid plagiarising someone else's work. You are also allowing the reader to trace your line of research.





Two key styles are used in Engineering

- Harvard - a generic term for any style which contains author-date references. Note there are variations in approach, both in guidance from other institutions, and to some extent within the University
- IEEE - a numbered style from the IEEE with - more consistency in approach, although the IEEE Computer Society has its own guidance which is similar but differs in some respects





Check with your tutor about what style to use and any specific guidelines. Once you know which system you are using it is important that you are consistent.



## Referencing guides from the library

-  [Guide to Harvard Referencing](#)  
Hartley Library Guide to Harvard Referencing. (This guide was adopted by the Southampton Business School in October 2013.)
-  [An example of Harvard Referencing](#)  
produced using the 'Harvard\_SotonUNI2014' Endnote style
-  [Harvard Citation of Official Publications](#)
-  [An example of IEEE referencing](#)  
produced using the 'IEEE' Endnote style)

## Useful Referencing links


- [Cite Them Right](#)      
Cite Them Right is an essential referencing resource. This site will help you to reference just about any source, and understand how to avoid plagiarism.

## Reference Management Software


If you're working with lots of articles you may find software that manages your references (e.g. EndNote) helpful.

- [Citing and Referencing](#)

## Referencing Sources From DelphiS

You can use the  **Cite** button in DelphiS to format an item in a number of referencing formats.

If you are doing your references manually this can save you time, though minor changes may be needed to meet your discipline's requirements.

You can also use the  **Export** button to export your references directly to your reference management software (EndNote etc.).



# Advanced features

# WOS: Citation search

- **Citation links are useful**
  - to track further related research
  - also for articles found in Compendex etc.
- **Citation searching is also possible**
  - Find out what an Author has written and who has cited each paper
- **Scopus has a similar feature**



# Web of Science has a useful citation linking feature

Click here to see all citing articles

## Gravitational-wave inspiral of compact binary systems to $7/2$ post-Newtonian order

By: Blanchet, L (Blanchet, L); Faye, G (Faye, G); Iyer, BR (Iyer, BR); Joguet, B (Joguet, B)

PHYSICAL REVIEW D

Volume: 65 Issue: 6

Article Number: 061501

DOI: 10.1103/PhysRevD.65.061501

Published: MAR 15 2002

[View Journal Information](#)

### Abstract

The inspiral of compact binaries, driven by gravitational-radiation reaction, is investigated through  $7/2$  post-Newtonian (3.5PN) order beyond the quadrupole radiation. We outline the derivation of the 3.5PN-accurate binary's center-of-mass energy and emitted gravitational flux. The analysis consistently includes the relativistic effects in the binary's equations of motion and multipole moments, as well as the contributions of tails, and tails of tails, in the wave zone. However, the result is not fully determined because of some physical incompleteness, present at the 3PN order, of the model of point particle and the associated Hadamard-type self-field regularization. The orbital phase, whose prior knowledge is crucial for searching and analyzing the inspiral signal, is computed from the standard energy balance argument.

### Keywords

**KeyWords Plus:** SCHWARZSCHILD BLACK-HOLE; POINT-MASS SYSTEMS; CIRCULAR ORBIT; RADIATION REACTION; 2-BODY SYSTEMS; 2ND-POST-NEWTONIAN ORDER; NONSPINNING BODIES; COALESCING BINARY; ENERGY-LOSS; PARTICLE

### Author Information

**Reprint Address:** Blanchet, L (reprint author)

⊕ Observ Paris, CNRS, UMR 8629, Dept Astrophys Relativiste & Cosmol, F-92195 Meudon, France.

#### Addresses:

⊕ [ 1 ] Observ Paris, CNRS, UMR 8629, Dept Astrophys Relativiste & Cosmol, F-92195 Meudon, France

[ 2 ] Raman Res Inst, Bangalore 560080, Karnataka, India

[ 3 ] Inst Astrophys, F-75014 Paris, France

⊕ [ 4 ] Univ Jena, Inst Theoret Phys, D-07743 Jena, Germany

⊕ **Author Identifiers:**

### Citation Network

196 Times Cited

57 Cited References

[View Related Records](#)

 [View Citation Map](#)

 [Create Citation Alert](#)

*(data from Web of Science™ Core Collection)*

### All Times Cited Counts

195 in All Databases

196 in Web of Science Core Collection

0 in BIOSIS Citation Index

0 in Chinese Science Citation Database

0 in Data Citation Index

0 in SciELO Citation Index

### Most Recent Citation

Tagoshi, Hideyuki. Parameter estimation of neutron star-black hole binaries using an advanced gravitational-wave detector network: Effects of the full post-Newtonian waveform. PHYSICAL REVIEW D, JUL 22 2014.

[View All](#)

This record is from:  
Web of Science™ Core Collection

Back to Search

My Tools Search History Marked List

Citing Articles: 196

(from Web of Science Core Collection)

For: Gravitational-wave inspiral of compact binary systems to 7/2 post-Newtonian order ...More

Times Cited Counts

- 195 in All Databases
196 in Web of Science Core Collection
0 in BIOSIS Citation Index
0 in Chinese Science Citation Database
0 data sets in Data Citation Index
0 publication in Data Citation Index
0 in SciELO Citation Index

View Additional Times Cited Counts

Refine Results

Search within results for...

Web of Science Categories

- ASTRONOMY ASTROPHYSICS (176)
PHYSICS PARTICLES FIELDS (168)
PHYSICS MULTIDISCIPLINARY (57)
PHYSICS NUCLEAR (1)
PHYSICS APPLIED (1)

more options / values...

Refine

Document Types

- ARTICLE (166)

Sort by: Publication Date -- newest to oldest

Page 1 of 20

Select Page Save to EndNote online Add to Marked List

Analyze Results Create Citation Report

1. Parameter estimation of neutron star-black hole binaries using an detector network: Effects of the full post-Newtonian waveform

By: Tagoshi, Hideyuki; Mishra, Chandra Kant; Pai, Archana; et al. PHYSICAL REVIEW D Volume: 90 Issue: 2 Article Number: 024053

Click Here to check for Full Text access View Abstract

2. Self-forced evolutions of an implicit rotating source: A natural fra intermediate mass-ratio systems from inspiral through ringdown

By: Huerta, E. A.; Kumar, Prayush; Gair, Jonathan R.; et al. PHYSICAL REVIEW D Volume: 90 Issue: 2 Article Number: 024024 Published: JUL 9 2014

Click Here to check for Full Text access View Abstract

3. Search for Gravitational Waves Associated with gamma-ray Bursts Detected by the Interplanetary Network

By: Aasi, J.; Abbott, B. P.; Abbott, R.; et al. Group Author(s): LIGO Sci Collaboration; Virgo Collaboration; IPN Collaboration PHYSICAL REVIEW LETTERS Volume: 113 Issue: 1 Article Number: UNSP 011102 Published: JUN 30 2014

Click Here to check for Full Text access View Abstract

Times Cited: 0 (from Web of Science Core Collection)

4. The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations

By: Aasi, J.; Abbott, B. P.; Abbott, R.; et al. CLASSICAL AND QUANTUM GRAVITY Volume: 31 Issue: 11 Article Number: 115004 Published: JUN 7 2014

Click Here to check for Full Text access View Abstract

Times Cited: 2 (from Web of Science Core Collection)

5. Probing evolution of binaries influenced by the spin-orbit resonances

By: Gupta, A.; Gopakumar, A. CLASSICAL AND QUANTUM GRAVITY Volume: 31 Issue: 10 Article Number: 105017 Published: MAY 21 2014

Click Here to check for Full Text access View Abstract

Times Cited: 1 (from Web of Science Core Collection)

6. High-order post-Newtonian contributions to the two-body gravitational interaction potential from analytical gravitational self-force calculations

Times Cited: 3 (from Web of Science Core Collection)

These articles both cite the 'parent' article



# Controlled Terms

- **Terms added to a record by Indexers**
- **Taken from a fixed list (thesaurus)**
- **Using these can help**
  - **Making search results more relevant and specific**
  - **Suggest alternative terms to search**



Search | Selected records | Settings | Tags & Groups

New Search | View search history | Back to results | < Previous 4 of 730 Next >

Blog This | Email | Print | Download | Save to Folder

Abstract Detailed

Record 4 from Compendex for: (((“fuel cells”) WN All fields) AND ((electric cars) WN All fields)), 1969-2014

Check record to add to Selected Records

4. **Gearing up for electric cars**

Sperling, D.<sup>1</sup>

Source: *Issues in Science and Technology*, v 11, n 2, p 33-41, Winter 1994-1995; ISSN: 07485492; Publisher: NAS

Author affiliation:

<sup>1</sup> Univ of California, Davis, United States

Abstract:

Over the past five years, **electric** vehicle (EV) technology has emerged as the most promising alternative to the internal combustion engine. A wave of innovation has been to build momentum for the widespread commercialization of **electric**-drive vehicles. These will include not only battery-powered **cars**, whose ultimate role may be modest, but vehicles powered by **electric fuel cells** or by hybridized combinations of internal combustion engines (ICEs) and **electric** motors. This paper discusses the issues of the alternatives, the government's role, extension of California's zero-emissions vehicle (ZEV) mandate to the whole country, accelerating EV research, and forging market solutions. (4 refs)

Main heading: **Electric** vehicles

Controlled terms: Air pollution control - **Electric** automobiles - **Electric** drives - Laws and legislation - Public policy - Technology

Uncontrolled terms: **Electric cars** - PNEV initiatives - Zero emission vehicles

Classification Code: 451.2 Air Pollution Control - 662.1 Automobiles - 702.1 Electric Batteries - 705.3 Electric Motors - 901.4 Impact of Technology on Society

Treatment: General review (GEN)

Database: Compendex

Full-text and Local Holdings Links

Search Univ. of Southampton Library Catalogue | Click Here to check for Full Text access

You can do a keyword search and then just pick out relevant controlled terms

Sovacool, B.K.; Hirsh, R.F.  
**Beyond batteries: An examination of the benefits and barriers to plug-in hybrid electric vehicles (PHEVs) and a vehicle-to-grid (V2G) transition**  
(2009) *Energy Policy*

Walsh, M.; Shah, J.J.  
**Clean fuels for Asia - Technical options for moving toward unleaded gasoline and low-sulfur diesel**  
(1997) *World Bank Technical Paper*

Learn more about Scopus

Add a tag

Public

del.icio.us

By clicking on a term you can run a search on it

About Ei  
About Ei  
History of Ei



About Engineering Village  
About Engineering Village  
Content Available  
Who uses EV?

Contact and Support  
Contact and support

About Elsevier  
About Elsevier  
About SciVal  
Terms and Conditions

You can also use the term in your search



Search | Selected records | Settings | Tags & Groups

**Quick Search** | Expert Search | Thesaurus Search

DATABASE  All  Compendex  GEOBASE [Databases](#) | [Search tips](#)

SEARCH FOR "fuel cells" in All fields

AND electric automobiles in Ei controlled term

AND in All fields

[Add search field](#) | **Search**

---

**LIMIT TO**

All document types

All treatment types

All Languages

1969 TO 2014

1 Updates

**SORT BY**

Relevance  Publication year

Autostemming off

**Search** **Reset**

- Browse Indexes**
- Author
  - Author affiliation
  - Controlled term
  - Source title
  - Publisher

**Latest Resources**

The Engineering Village team is pleased to announce the migration to Elsevier's single sign-on, which allows our users to log into several Elsevier products using one username and password.

- Resend User Profile Email
- Here's what's new
- Training videos
- More videos
- Tell us what you think

**Search history** | Hide

Combine Searches: e.g., (#1 AND #2) NOT #3 **Search** **SORT BY**  Relevance  Publication year

Combine	Search	Results	Database	Delete
1. <input type="checkbox"/>	(((("fuel cells") WN All fields) AND ((electric cars) WN All fields)) <a href="#">Query details</a> <a href="#">Edit</a> <a href="#">Save Search</a> <a href="#">Create Alert</a>	730	Compendex	<input checked="" type="checkbox"/>

**Delete Search History** | [View Saved Searches](#)

Note: This Search history will contain the latest 50 searches you perform in this session.

- More Search Sources**
- CRC ENGnetBASE
  - Espacenet
  - IHS Standards
  - LexisNexis News
  - Scirus
  - USPTO



Quick Search

730 articles found in Compendex for 1969-2014: (((("fuel cells") WN All fields) AND ((electric cars) WN All fields))

New Search Edit Save Search Create Alert RSS feed Search history

Display: 25 results per page

Go to page: 1 of 30 Go Next >

Refine results

Limit to Exclude

Add a term

Author

- Shimizu, Hiroshi (8)
- Van, Mierlo Joeri (7)
- Li, Hui (6)
- Van, Mierlo J. (6)
- Furuta, Ryosuke (5)

View more

Author affiliation

- U.S. Department Of Energy (7)
- National Renewable Energy Laboratory (6)
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- The hydrogen economy, fuel cells, and electric cars  
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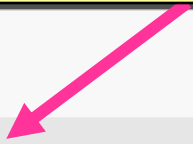
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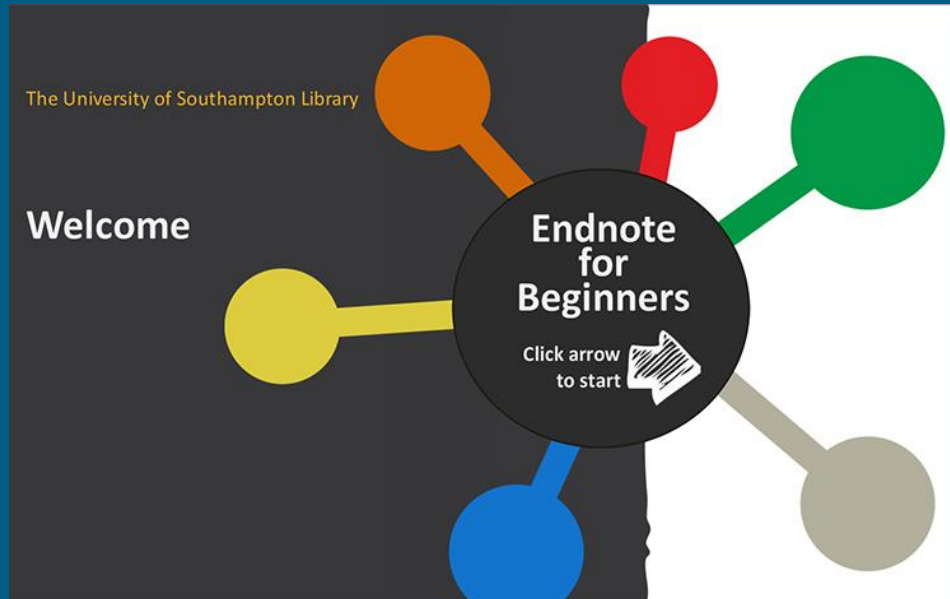
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