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Presented by LIU YAO

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User guide

How to get published

Q & A



What is ScienceDirect ?

SCI ?

Ei ?

CNKI ?

Google Scholar ?

ScienceDirect

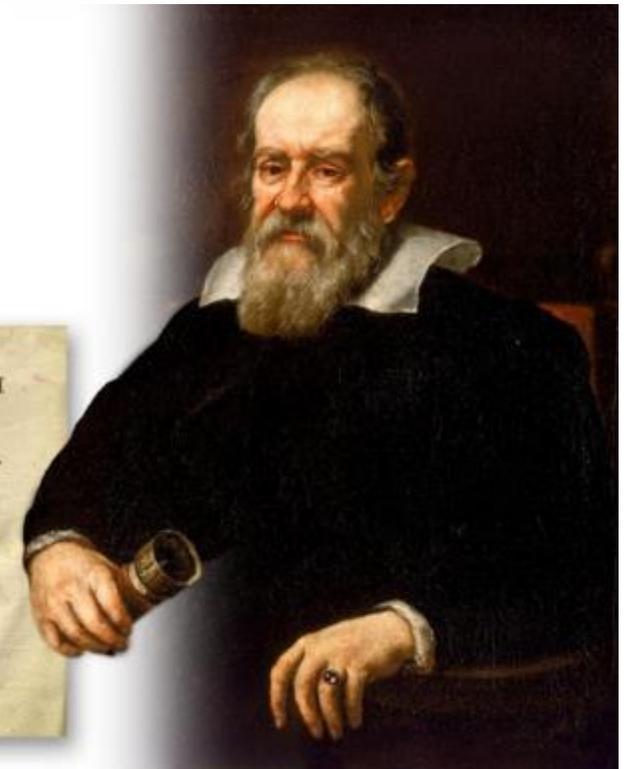


ELSEVIER

1997

1580 1620 1880 1930 1940 1947 1970 1991 1993 2001 2004 2008 2012 2013 2015

- In 1580, Elsevier was founded as a small Dutch publisher
- In 1638, Elsevier published Galileo's *Two New Sciences*
- In 1997, The launch of ScienceDirect, a Web-accessible online full-text database



ScienceDirect

ScienceDirect



Galileo's last and greatest work,
published in 1638 by Elzevir,
**Discorsi e Dimostrazioni
Matematiche**

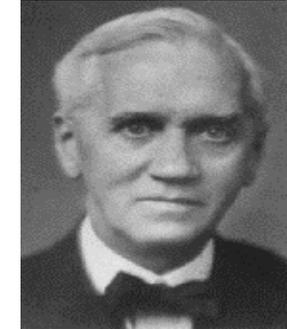
**Marie Curie
(Physics,
Chemistry)**



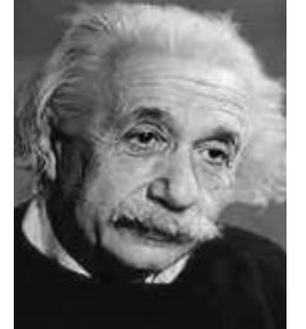
**Louis
Pasteur
(Chemistry)**



**Alexander
Fleming
(Medicine)**



**Albert Einstein
(Physics)**



**Shinya
Yamanaka
(Medicine)**



**John C.
Mather
(Physics)**



**Francoise
Barre-Sinoussi
(Medicine)**



**Youyou Tu
(Physiology or
Medicine)**

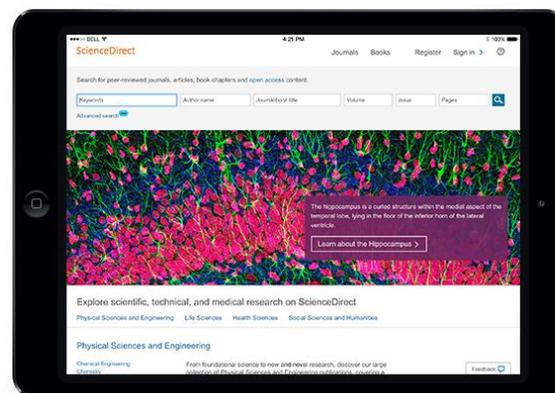


ScienceDirect

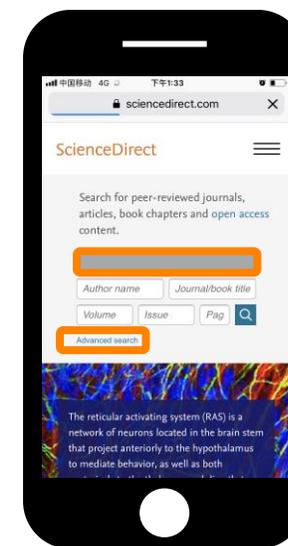
www.sciencedirect.com



1997年



2017年



ScienceDirect



2,500/38,000

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Life Sciences, USA

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Medicine and Dentistry

Nursing and Health Professions

Pharmacology, Toxicology and Pharmaceutical Science

Veterinary Science and Veterinary Medicine

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Arts and Humanities

Business, Management and Accounting

Decision Sciences

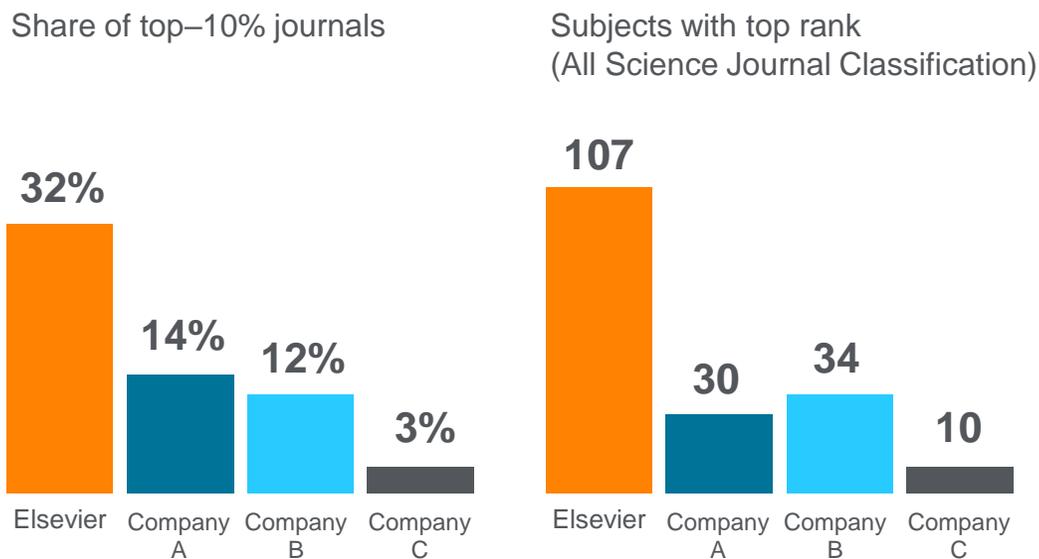
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Psychology

Social Sciences

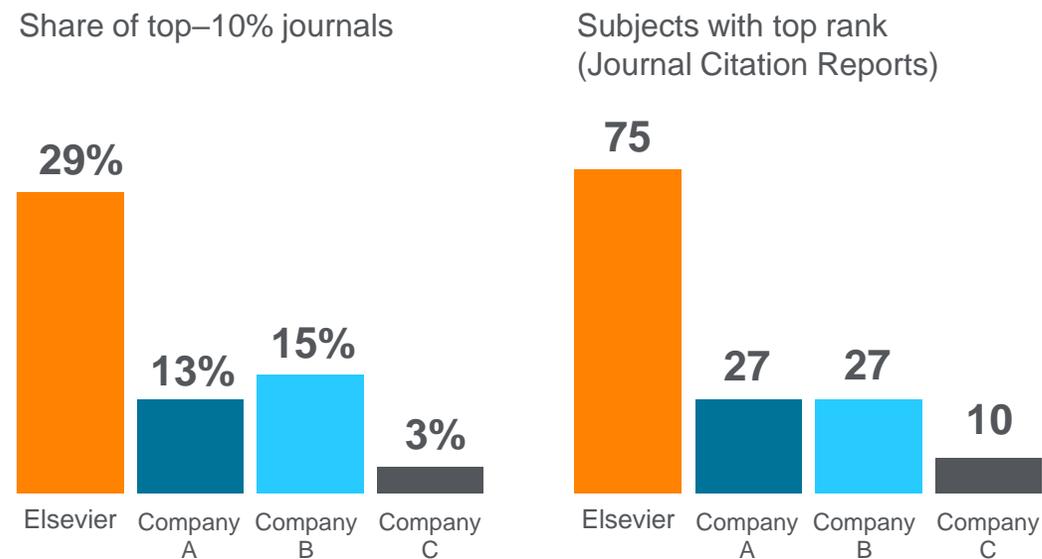
Our journals are ranking highly in every field

Journal ranking—Citescore Scopus



Journal ranking by CiteScore across 334 subjects per Scopus Metrics database; source: Scopus data (2016)

Journal ranking—Impact Factor SCI



Journal ranking by Journal Impact Factor across 234 subjects per Clarivate's Journal Citation Reports database; source: Clarivate data (2016)

Top Journals in ScienceDirect



No.1 in 75 categories out of 235

* Includes one book series *Advances in Organometallic Chemistry*
 Source: Thomson Reuters Journal Citation Reports 2015

Journals for You !

SD package	数量	SCI收录	SCI收录比例	影响因子	刊均被引次数
Computer Science	150	129	86.0%	2.89	6854
Engineering	249	218	87.6%	3.71	11747
Materials Science	180	136	75.6%	4.46	20909
Mathematics	106	95	89.6%	1.90	7248
Physics and Astronomy	126	112	88.9%	3.59	14494

Journals for You !

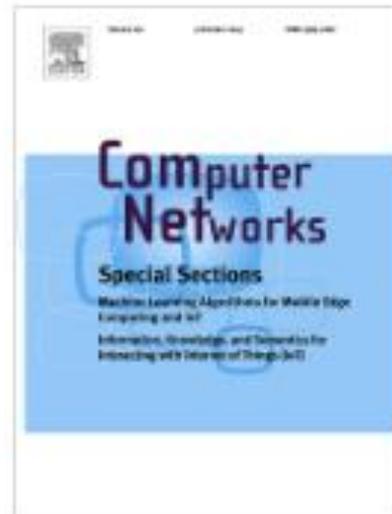
Full Title	Impact Factor	ISSN	JCR Category
Progress in Quantum Electronics	5.105	00796727	Engineering, Electrical & Electronic
International Journal of Electrical Power & Energy Systems	5.105	00796727	Engineering, Electrical & Electronic
Signal Processing	4.418	01420615	Engineering, Electrical & Electronic
Electric Power Systems Research	4.418	01420615	Engineering, Electrical & Electronic
AEU - International Journal of Electronics and Communications	4.418	01420615	Engineering, Electrical & Electronic
Signal Processing: Image Communication	4.086	01651684	Engineering, Electrical & Electronic
Digital Signal Processing	4.086	01651684	Engineering, Electrical & Electronic
Sensors and Actuators A: Physical	3.022	03787796	Engineering, Electrical & Electronic
Materials Science in Semiconductor Processing	3.022	03787796	Engineering, Electrical & Electronic
Nano Communication Networks	3.022	03787796	Engineering, Electrical & Electronic
Optical Fiber Technology	2.853	14348411	Engineering, Electrical & Electronic
Journal of Electrostatics	2.853	14348411	Engineering, Electrical & Electronic
Microelectronic Engineering	2.853	14348411	Engineering, Electrical & Electronic
Solid-State Electronics	2.814	09235965	Engineering, Electrical & Electronic
Microelectronics Reliability	2.814	09235965	Engineering, Electrical & Electronic

Journals for You !



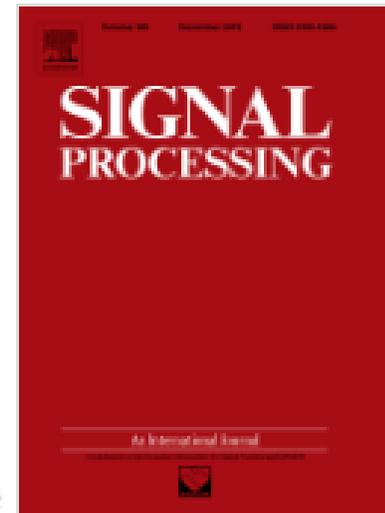
6.9
CiteScore

5.524
Impact Factor



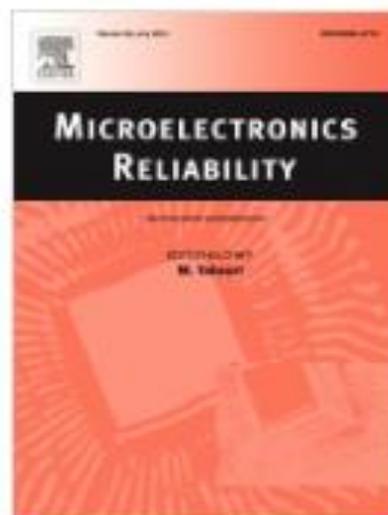
4.19
CiteScore

3.03
Impact Factor



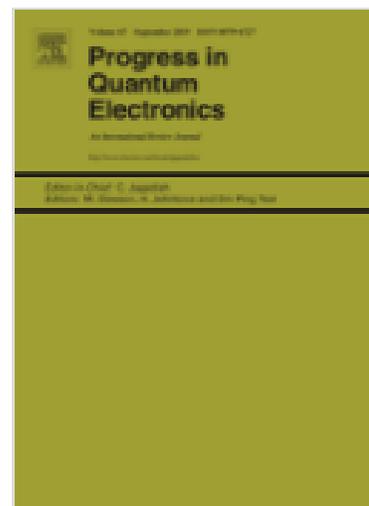
4.73
CiteScore

4.086
Impact Factor



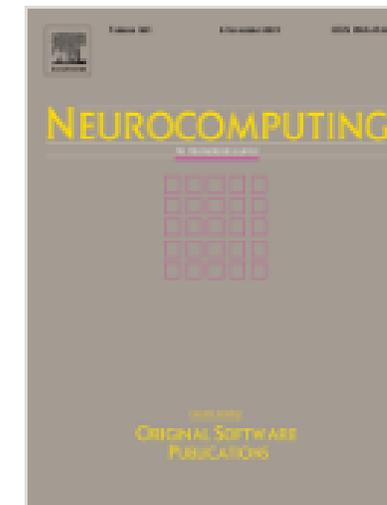
1.7
CiteScore

1.483
Impact Factor



7.94
CiteScore

5.105
Impact Factor



5
CiteScore

4.072
Impact Factor

ScienceDirect

User guide

How to get published

Q & A



ScienceDirect 支持学校科学研究的各个环节



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[Advanced search](#)

简单检索

Ammonification is the primary process that converts reduced organic nitrogen ($R-NH_2$) to reduced inorganic nitrogen (NH_4^+) through the action of microorganisms.

[Learn about ammonification >](#)

Wireless Sensor

Author name

Journal/book title

Volume

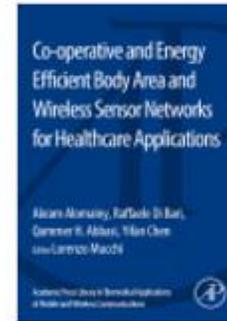
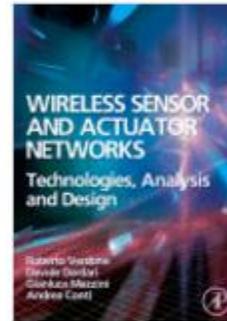
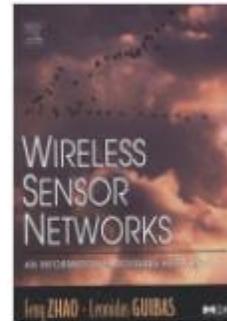
Issue

Pages



Advanced search

Suggested publications:



45,275 results

Set search alert

Refine by:

Years

 2020 (4) 2019 (3,591) Download selected articles Export Review article Full text access**Wireless Sensor Networks** for monitoring underwater sediment transport

Science of The Total Environment, Volume 667, 1 June 2019, Pages 160-165

A. J. Watt, M. R. Phillips, C. E-A. Campbell, I. Wells, S. Hole

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 Research article Full text access

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[Advanced search](#)[高级检索](#)

Ammonification is the primary process that converts reduced organic nitrogen ($R-NH_2$) to reduced inorganic nitrogen (NH_4^+) through the action of microorganisms.

[Learn about ammonification >](#)

高级检索

All of the fields are optional.
Find out [more](#) about the new advanced search.

Search tips ?

检索小贴士

Find articles with these terms

在全文中检索

In this journal or book title

在刊名/书名检索

Year(s)

限定年份

Author(s)

限定作者

Author affiliation

限定机构

Title, abstract or keywords

在标题、文摘、关键词中检索

Show more fields

References

参考文献

ISSN or ISBN

国际出版物号码

Article types

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Review articles | <input type="checkbox"/> Correspondence | <input type="checkbox"/> Patent reports |
| <input checked="" type="checkbox"/> Research articles | <input type="checkbox"/> Data articles | <input type="checkbox"/> Practice guidelines |
| <input type="checkbox"/> Encyclopedia | <input type="checkbox"/> Discussion | <input type="checkbox"/> Product reviews |
| <input type="checkbox"/> Book chapters | <input type="checkbox"/> Editorials | <input type="checkbox"/> Replication studies |
| <input type="checkbox"/> Conference abstracts | <input type="checkbox"/> Errata | <input type="checkbox"/> Short communications |
| <input type="checkbox"/> Book reviews | <input type="checkbox"/> Examinations | <input type="checkbox"/> Software publications |
| <input type="checkbox"/> Case reports | <input type="checkbox"/> Mini reviews | <input type="checkbox"/> Video articles |
| <input type="checkbox"/> Conference info | <input type="checkbox"/> News | <input type="checkbox"/> Other |

限定文章类型

Search Q

高级检索

案例1:
搜索华为发表的文章

All of the fields are optional.
Find out [more](#) about the new advanced search.

Find articles with these terms

In this journal or book title

Year(s)

Author(s)

Author affiliation

huawei

Title, abstract or keywords

✓ Show more fields

Article types

- | | | |
|---|---|--|
| <input type="checkbox"/> Review articles | <input type="checkbox"/> Correspondence | <input type="checkbox"/> Patent reports |
| <input type="checkbox"/> Research articles | <input type="checkbox"/> Data articles | <input type="checkbox"/> Practice guidelines |
| <input type="checkbox"/> Encyclopedia | <input type="checkbox"/> Discussion | <input type="checkbox"/> Product reviews |
| <input type="checkbox"/> Book chapters | <input type="checkbox"/> Editorials | <input type="checkbox"/> Replication studies |
| <input type="checkbox"/> Conference abstracts | <input type="checkbox"/> Errata | <input type="checkbox"/> Short communications |
| <input type="checkbox"/> Book reviews | <input type="checkbox"/> Examinations | <input type="checkbox"/> Software publications |
| <input type="checkbox"/> Case reports | <input type="checkbox"/> Mini reviews | <input type="checkbox"/> Video articles |
| <input type="checkbox"/> Conference info | <input type="checkbox"/> News | <input type="checkbox"/> Other |

Search 

高级检索

案例1:
搜索华为发表的文章

Find articles with these terms 🔍

Author affiliation: huawei ✕

Advanced search ∨

288 results

[🔔 Set search alert](#)

Refine by:

Years

2019 (28)

2018 (31)

2017 (50)

[Show more](#) ∨

Article type

Review articles (4)

Research articles (253)

Encyclopedia (1)

Book chapters (8)

[Show more](#) ∨

Publication title

Computer Networks (20)

Computer Communications (19)

Information Sciences (11)

Optical Fiber Technology (11)

Optical Switching and Networking (11)

Optics Communications (10)

Microelectronics Reliability (9)

Future Generation Computer Systems (8)

Neurocomputing (8)

Pattern Recognition (8)

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Research article ● Full text access

Energy efficiency of network-coding enabled mobile small cells
Computer Communications, Volume 121, May 2018, Pages 50-58
Georgios P. Koudouridis, Henrik Lundqvist, Hong Li, Xavier Gelabert

[📄 Download PDF](#) [Abstract](#) ∨ [Export](#) ∨

Research article ● Full text access

Towards service-oriented soft spectrum slicing for 5G TDD networks
Computer Applications, Volume 137, 1 July 2019, Pages 78-90
Yusuf Samdani, Vincenzo Sciancalepore

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Research article ● Full text access

(Second Edition), Volume 4, 2018, Pages 224-241
Eric Bernier

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Research article ● Full text access

Deep Reinforcement Learning Approach
Accepted manuscript, Available online 16 May 2019
Jie Min, Jie Xu, Pengcheng Tang

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高级检索

ScienceDirect

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Orders & Renewals

How do I use the advanced search?

20

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This form offers an open design which allows you to specify one or more pieces of keywords, authors, dates, etc.) to find related documents in ScienceDirect. You can construct query using multiple Boolean operators and nested clauses in your search.

Some fields are mandatory to an advanced search query. You are simply required to enter a field with searchable information.

Use Boolean operators to combine multiple terms:

- Boolean operators currently supported include AND, OR, NOT, and the hyphen (or minus symbol)
- Boolean operators must be entered in all uppercase
- The hyphen (or minus symbol) is interpreted as the NOT operator

For example: `black -hole` will return results containing 'black', but exclude any instances where 'hole' appears with it.

- Boolean precedence is as follows:
 - NOT
 - AND
 - OR
- Parentheses can be used when nesting clauses so the grouping is clear

For example: For `a OR b AND c`, enter `a OR (b AND c)`

- Quotation marks can be used to specify terms which must appear next to each other

For example: `("heart attack" OR "myocardial infarction") AND diabetes AND NOT cancer`

支持逻辑运算

高级检索

布尔语言搜索

Use Boolean operators to combine multiple terms:

- Boolean operators currently supported include AND, OR, NOT, and the hyphen (or minus symbol)
- Boolean operators must be entered in all uppercase
- The hyphen (or minus symbol) is interpreted as the NOT operator

For example: `black -hole` will return results containing 'black', but exclude any instances where 'hole' appears with it.

- Boolean precedence is as follows:

1. NOT
2. AND
3. OR

- Parentheses can be used when nesting clauses so the grouping is clear

For example: For `a OR b AND c`, enter `a OR (b AND c)`

- Quotation marks can be used to specify terms which must appear next to each other

For example: `("heart attack" OR "myocardial infarction") AND diabetes AND NOT cancer`

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Find articles with these terms
heart attack

Advanced search

194,751 results

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Research article Full text access
"Make the Call, Don't Miss a Beat" Campaign: Effect on Emergency Medical Services Use in Women with Heart Attack Signs
Women's Health Issues, Volume 29, Issue 5, September–October 2019, Pages 392-399
Melissa L. McCarthy, Suzanne Haynes, Ximin Li, N. Clay Mann, ... Scott L. Zeger
Download PDF Abstract Export

Research article Full text access
Marital history and survival after a heart attack
Social Science & Medicine, Volume 170, December 2016, Pages 114-123
Matthew E. Dupre, Alicia Nelson
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Refine by:
Subscribed journals beta

Years
2021 (30)
2020 (5,086)
2019 (7,725)
Show more

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Find articles with these terms
"heart attack"

Advanced search

36,149 results

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Research article Full text access
Marital history and survival after a heart attack
Social Science & Medicine, Volume 170, December 2016, Pages 114-123
Matthew E. Dupre, Alicia Nelson
Download PDF Abstract Export

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"Make the Call, Don't Miss a Beat" Campaign: Effect on Emergency Medical Services Use in Women with Heart Attack Signs
Women's Health Issues, Volume 29, Issue 5, September–October 2019, Pages 392-399
Melissa L. McCarthy, Suzanne Haynes, Ximin Li, N. Clay Mann, ... Scott L. Zeger
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Refine by:
Subscribed journals beta

Years
2021 (2)
2020 (1,226)
2019 (1,904)
Show more

ScienceDirect Journals & Books Register Sign in

Find articles with these terms
Title, abstract, keywords: "heart attack"

Advanced search

1,515 results

Download selected articles Export sorted by relevance | date

Research article Full text access
Association between health insurance status and transfer of patients with return of spontaneous circulation after out-of-hospital cardiac arrest
Resuscitation, Volume 149, April 2020, Pages 143-149
Chi Ho Park, Ki Ok Ahn, Sang Do Shin, Jeong Ho Park, Sun Young Lee
Download PDF Abstract Export

Research article Full text access
"Make the Call, Don't Miss a Beat" Campaign: Effect on Emergency Medical Services Use in Women with Heart Attack Signs
Women's Health Issues, Volume 29, Issue 5, September–October 2019, Pages 392-399
Melissa L. McCarthy, Suzanne Haynes, Ximin Li, N. Clay Mann, ... Scott L. Zeger

Refine by:
Subscribed journals beta

Years
2020 (65)
2019 (86)
2018 (89)
Show more

Search Tips:

- Quotation marks can be used to specify terms which must appear next to each other
- For example : "Heart attack"

高级检索

案例2：
在标题、文摘、关键词中检索
"Neural Networks" AND "
data classification"
AND NOT "machine
learning"

All of the fields are optional.
Find out [more](#) about the new advanced search.

Find articles with these terms

In this journal or book title

Year(s)

Author(s)

Author affiliation

Title, abstract or keywords

在标题、文摘、关键词中检索

**"Neural Networks" AND "data classification"
AND NOT "machine learning"**

Article types

- | | | |
|---|---|--|
| <input type="checkbox"/> Review articles | <input type="checkbox"/> Correspondence | <input type="checkbox"/> Patent reports |
| <input type="checkbox"/> Research articles | <input type="checkbox"/> Data articles | <input type="checkbox"/> Practice guidelines |
| <input type="checkbox"/> Encyclopedia | <input type="checkbox"/> Discussion | <input type="checkbox"/> Product reviews |
| <input type="checkbox"/> Book chapters | <input type="checkbox"/> Editorials | <input type="checkbox"/> Replication studies |
| <input type="checkbox"/> Conference abstracts | <input type="checkbox"/> Errata | <input type="checkbox"/> Short communications |
| <input type="checkbox"/> Book reviews | <input type="checkbox"/> Examinations | <input type="checkbox"/> Software publications |
| <input type="checkbox"/> Case reports | <input type="checkbox"/> Mini reviews | <input type="checkbox"/> Video articles |
| <input type="checkbox"/> Conference info | <input type="checkbox"/> News | <input type="checkbox"/> Other |

Search 

高级检索

案例2:
在标题、文摘、关键词中检索"Neural Networks" AND "data classification" AND NOT "machine learning"

The screenshot displays a search interface with the following elements:

- Search Bar:** "Find articles with these terms" with a search icon. The search query is: "Title, abstract, keywords: 'Neural Networks' AND 'data classification' AND NOT...". Below the query is a link for "Advanced search".
- Results Summary:** "105 results" with options to "Download selected articles" and "Export". The results are "sorted by relevance | date".
- Refine by:**
 - Years:** 2019 (15), 2018 (12), 2017 (5). A "Show more" dropdown is available.
 - Article type:** Review articles (1), Research articles (98), Book chapters (3), Short communications (2).
- Save search alert dialog box:** Titled "Save search alert", it contains:
 - A "Name of search alert *" field with the value "Latest articles of NDM".
 - An "Email frequency" dropdown menu set to "Weekly".
 - A note: "Please note: This alert will be sent to your registered email address".
 - A "* Required field" label.
 - A "Save" button.
- Callouts:** An orange box labeled "检索语句" (Search Statement) highlights the search bar. Another orange box labeled "追踪:" (Track:) points to the "Set search alert" button.

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The image shows a screenshot of the ScienceDirect website. A yellow arrow points from the 'Remote access' link in the footer to a registration form. The form is titled 'ScienceDirect' and has a progress bar with four steps: 'Submit Your Email' (highlighted in green), 'Submit your password', 'Review your email', and 'Activate your Remote Access'. Below the progress bar, the form is titled 'Apply for remote access' and contains the following text: 'If your institution is a ScienceDirect customer, you may be able to access our publications remotely. Enter your email address from the institution that offers you ScienceDirect (e.g., name@university.edu) to check if you have access.' There is a text input field with a placeholder '(* = required field)' and a 'Continue' button. An orange box highlights the input field with the text '填入学校域名邮箱'.

ScienceDirect

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(* = required field)

Continue

填入学校域名邮箱

ScienceDirect 校外远程访问——学号密码

ScienceDirect

Journals & Books

Register

Sign in >



Search for peer-reviewed journals, articles, book chapters and open access content.

Keywords

Author name

Journal/book title

Volume

Issue

Pages



Advanced search

ELSEVIER

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Continue

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ELSEVIER

Find your institution

Enter your email or institution name to continue

Institutional email or name of institution

Continue

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账号

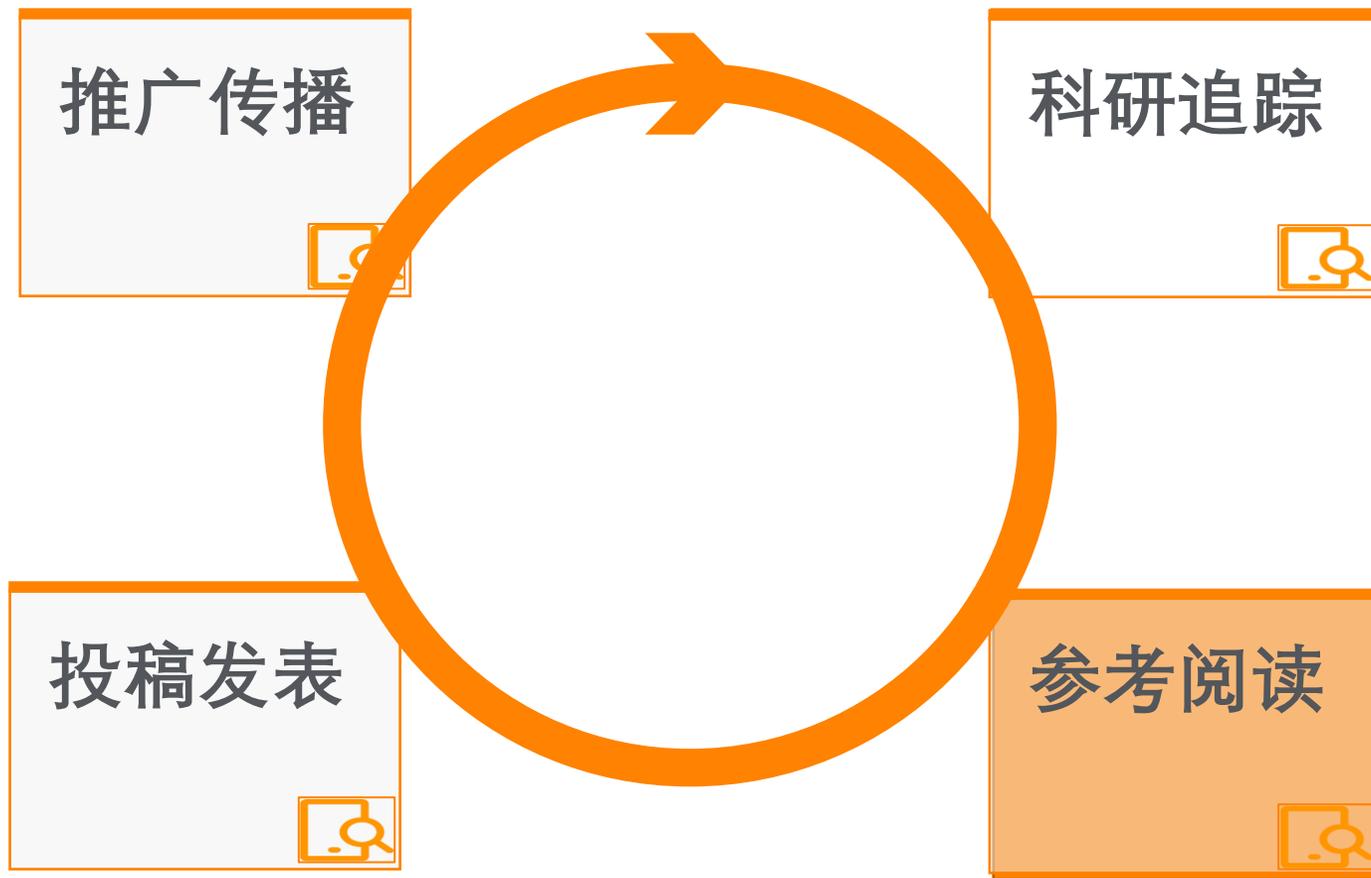
密码

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Telematics and Informatics, Volume 34, Issue 8

[Aluminium in brain tissue in](#)

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Volume 46, Issue 10

[Energy Procedia](#)
Volume 150

[Comptes Rendus Mathematique](#)
Volume 356, Issue 10

[Feedb](#)

文献阅读

7,117,077 results

[Set search alert](#)

Refine by:

Years

- 2019 (23,873)
- 2018 (378,429)
- 2017 (349,707)

[Show more](#)

Article type

- Review articles (163,940)
- Research articles (5,148,314)
- Encyclopedia (38,037)
- Book chapters (314,673)

[Show more](#)

Publication title

- The Lancet (63,089)
- Biochemical and Bio Communications (59,281)

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sorted by *relevance* | *date*

Research article ● Full text access

All boron-based 2D material as anode material in Li-ion batteries

Journal of Energy Chemistry, Volume 27, Issue 6, November 2018, Pages 1651-1654
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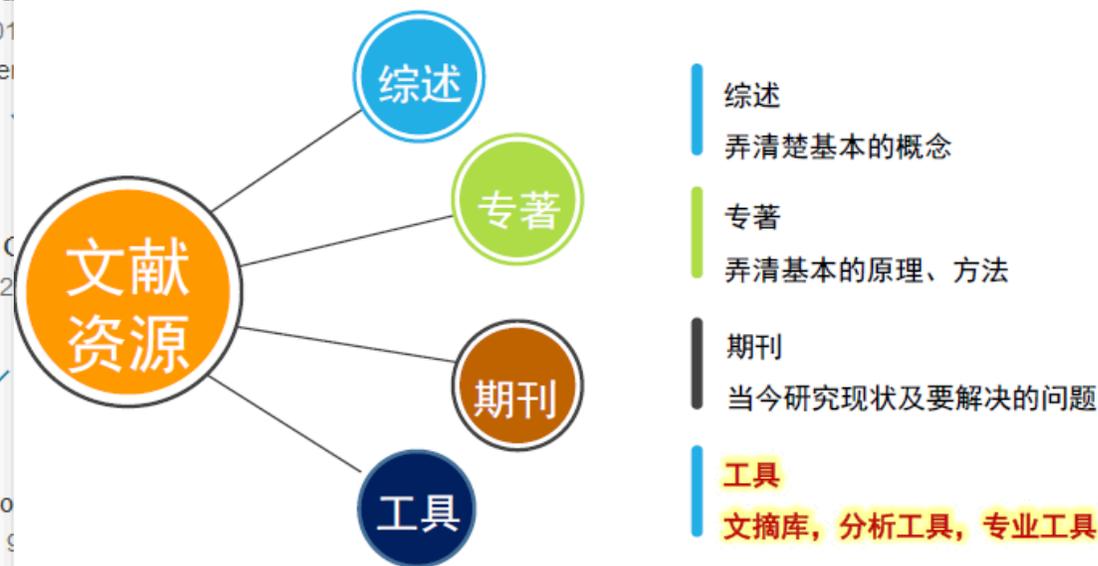
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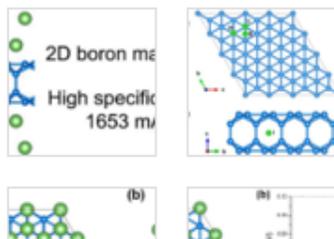
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- Bierman and Fernandez, 1993 H. Bierman, L. Fernandez
Game Theory with Economic Applications
 Addison-Wesley, New York (1993)
- Clark, 1980 C. Clark
Restricted access to a common property resource
 P. Liu (Ed.), *Dynamic Optimization and Mathematical Economics*, Wiley-Interscience, New York (1980), pp. 117-132
 CrossRef
- Engwerda, 2017 J. Engwerda
Stabilization of an uncertain simple fishery management game
 Fish. Res. (2017)
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- Fischer and Mirman, 1992 R. Fischer, L. Mirman
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 J. Econ. Dyna. Control, 16 (1992), pp. 267-287
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- Górniewicz and Wiszniewska-Matyszkiewicz, 2017 O. Górniewicz, A. Wiszniewska-Matyszkiewicz
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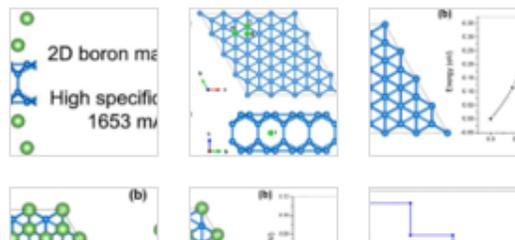
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To design the high-energy-density Li-ion batteries, the anode materials with high specific capacity have attracted much attention. In this work, we adopt the first principles calculations to investigate the possibility of a new two dimensional boron material, named B_G , as anode material for Li-ion batteries. The calculated results show that the maximum theoretical specific capacity of B_G is 1653 mAh g^{-1} ($\text{LiB}_{1.5}$).

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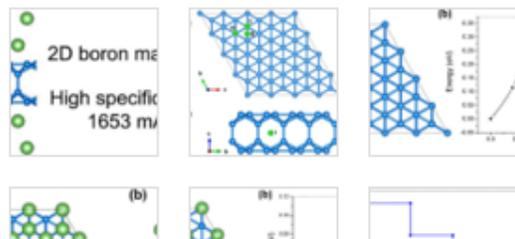
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To design the high-energy-density Li-ion batteries, the anode materials with high specific capacity have attracted much attention. In this work, we adopt the first principles calculations to investigate the possibility of a new two dimensional boron material, named B_G, as anode material for Li-ion batteries. The calculated results show that the maximum theoretical specific capacity of B_G is 1653 mAh g⁻¹ (LiB_{1.5}).

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- We design a new heuristic algorithm to solve the optimization models.

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Kang L, Zhu X

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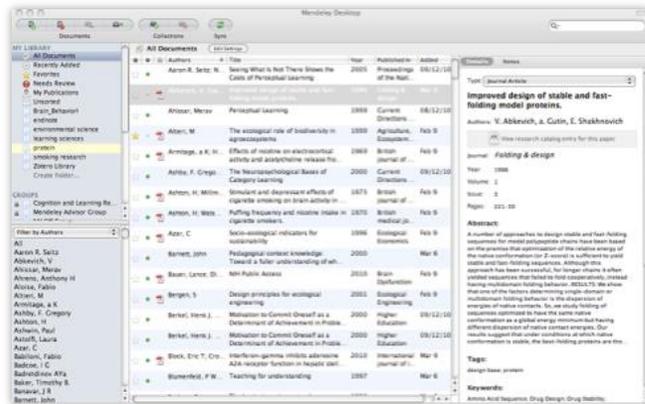
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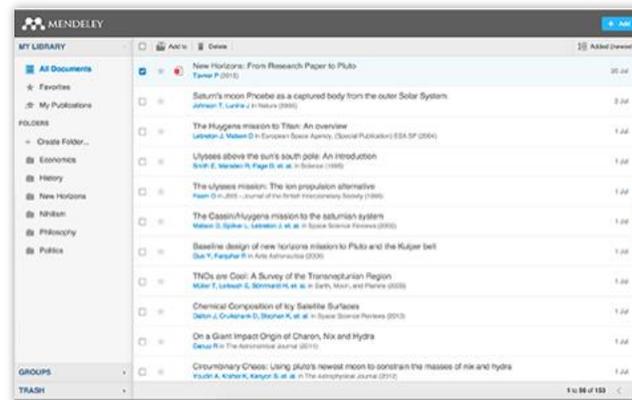
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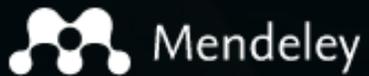


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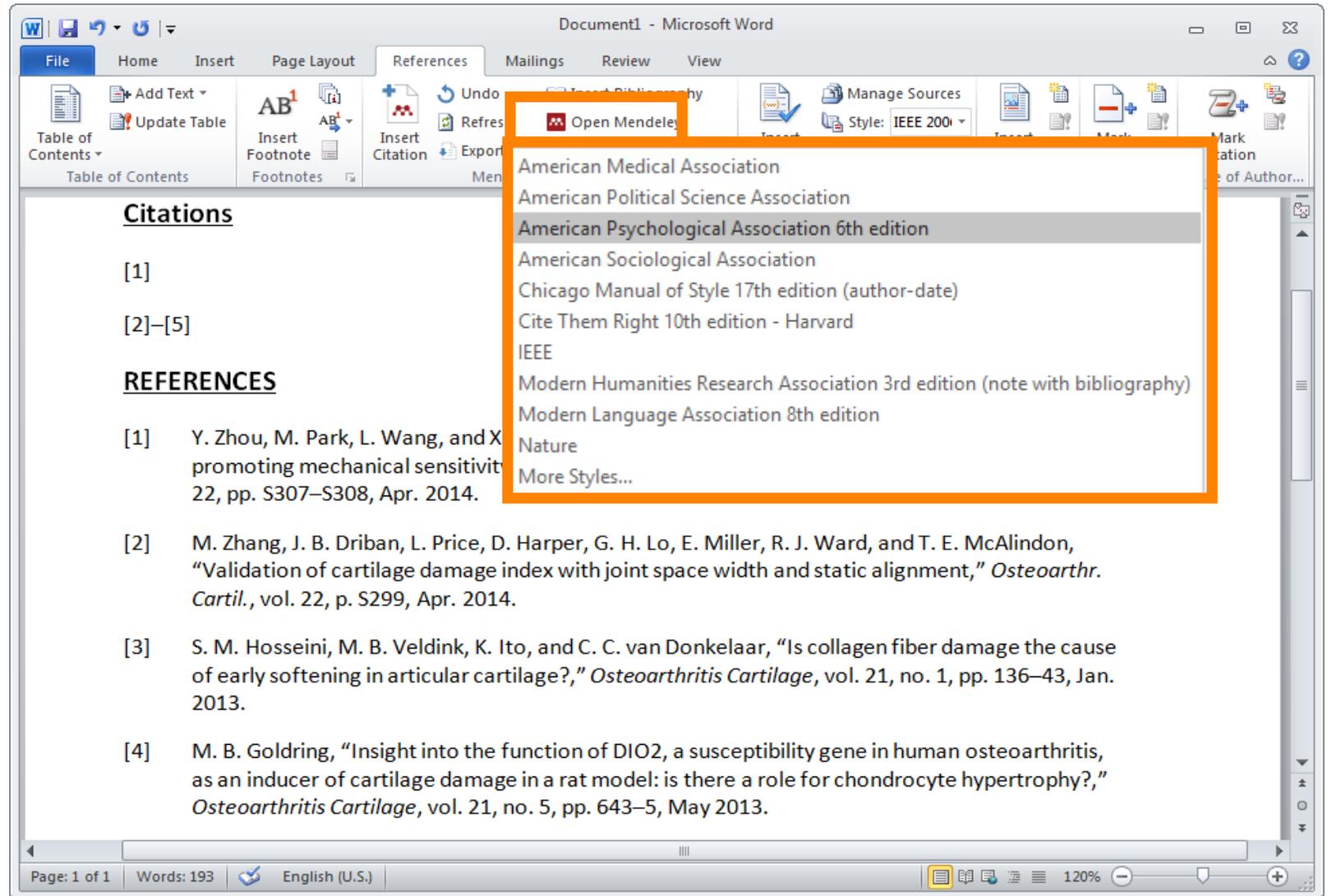


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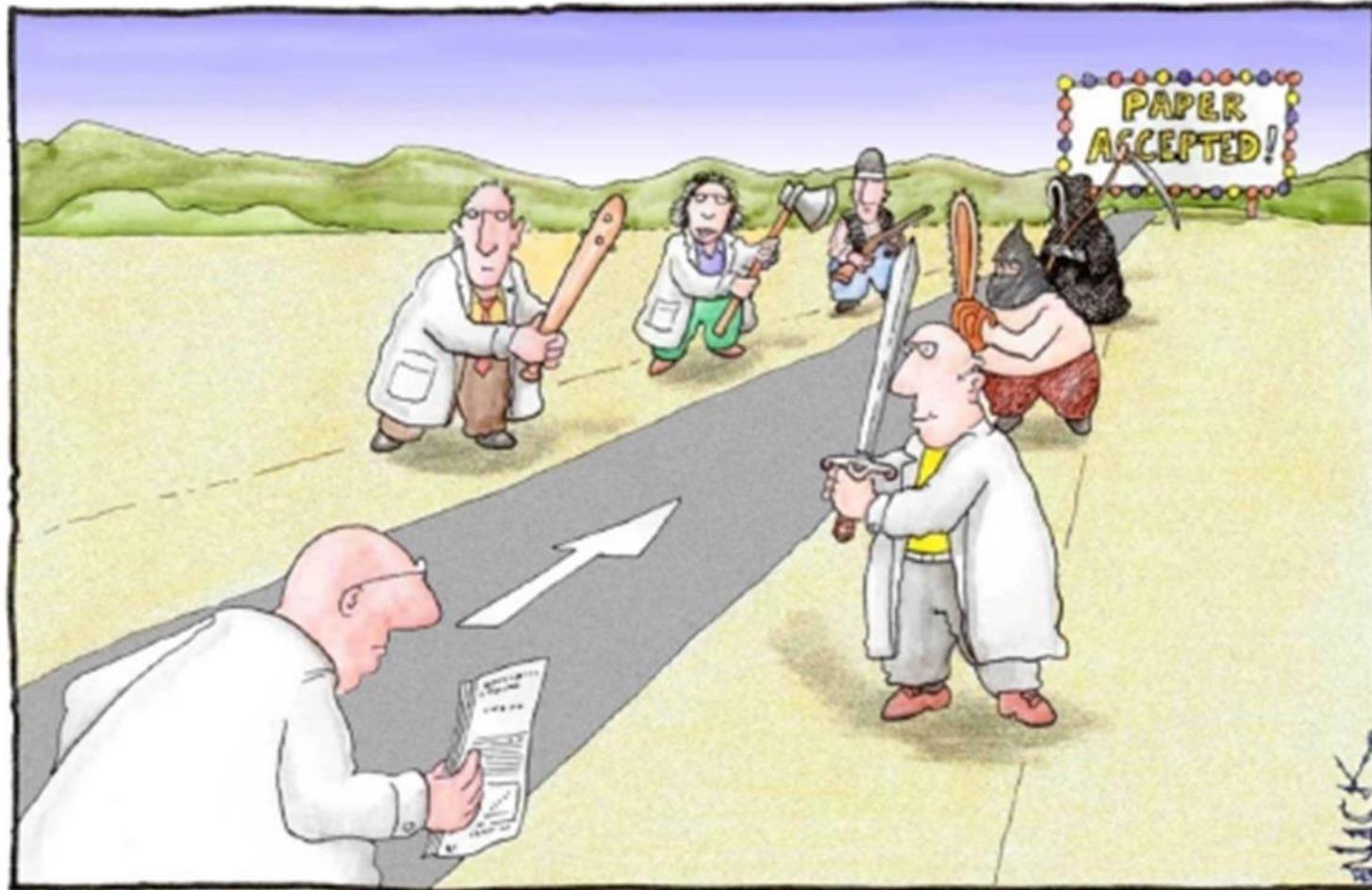
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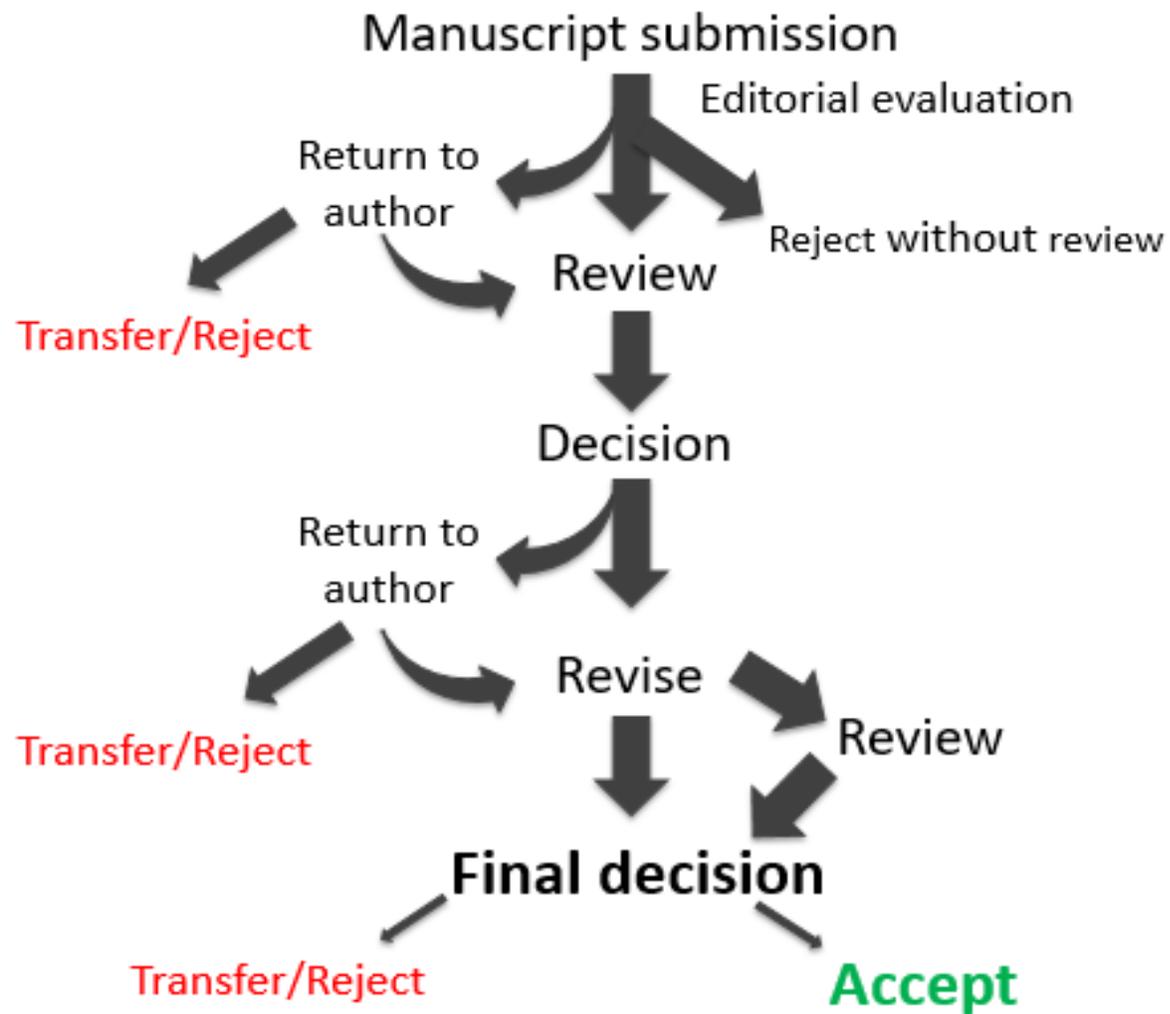
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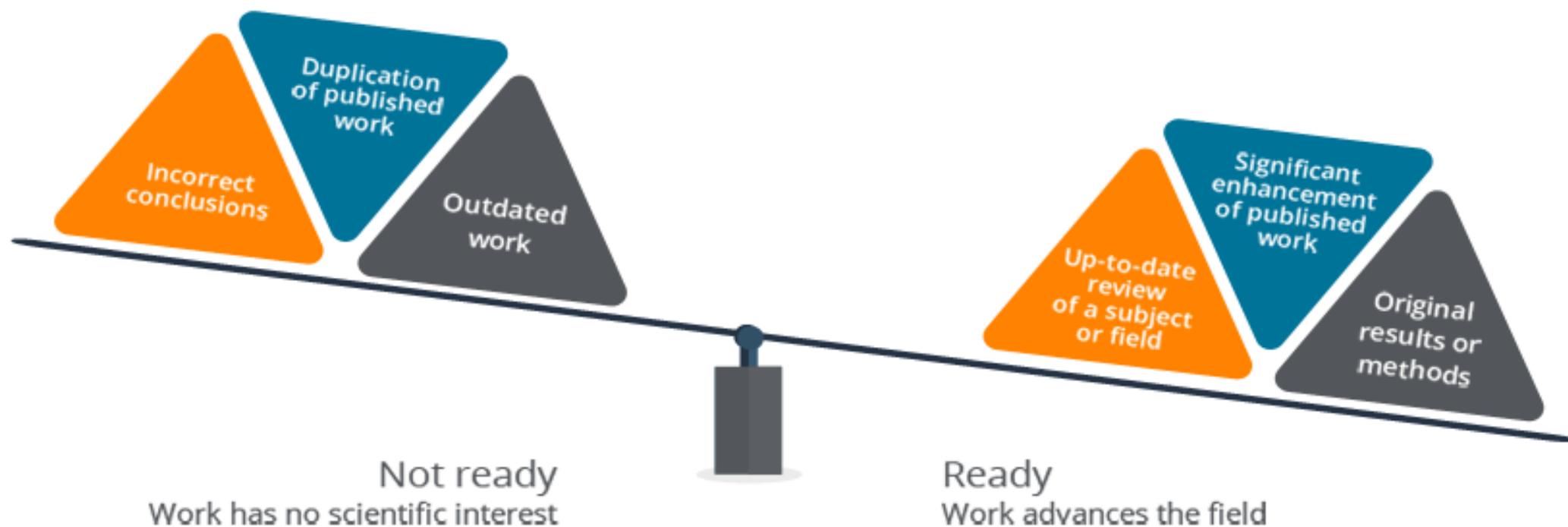
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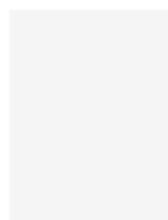
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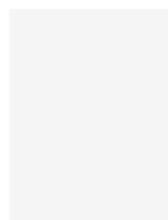
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