



# H1 Connect (原Faculty Opinions) 用户使用指南

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Website:

<https://connect.h1.co/search/articles>

<https://connect.h1.co/>


# H1Connect

一、背景介绍

二、利用H1 Connect解读最新科学文献

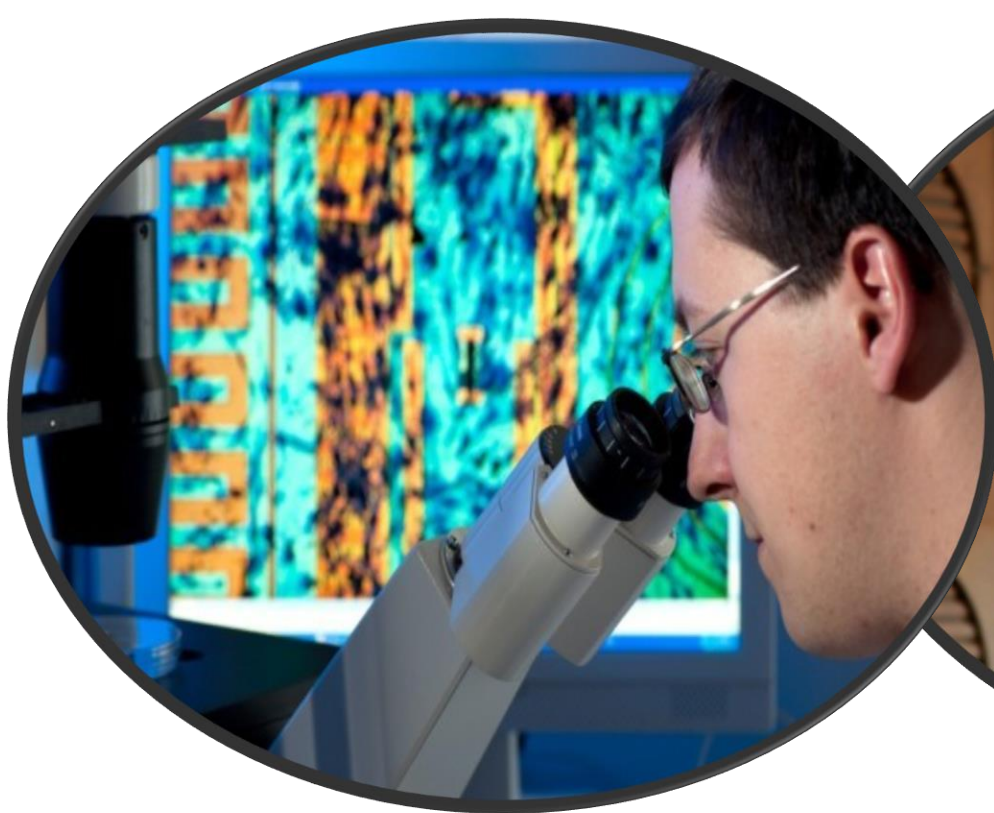
三、如何在PubMed网站设置使用H1 Connect

# H1Connect



经验告诉我们，往往对我们有所启发，真正具有指导作用的只是少量的重要文献  
利用Faculty of 1000，让专家作为我们的智囊，帮助我们筛选经典文献

# H1Connect



在充满挑战的科研道路上，分享  
“大牛”们的宝贵经验



OPINION

## Scientists and journals must work together to protect the integrity of the scientific literature

By Bruce Alberts and Miranda Robertson 10 May 2022

### How can Faculty Opinions help you?

- 帮助我找出所有重要的关键文章。
- 节省我节选阅读重要文献的时间。
- 经过两次以上的同行评审更能确认文章的重要性及可读性。

# H1Connect

## 帮你选出重要必读论文并由同行加以评论的生物医学资料库

- ◆ 90%的世界顶级机构均有订阅
- ◆ 推荐的文章覆盖3800多本期刊

### Vital Signs

**193,209**

Expert  
recommendations

**135,657**

New Finding

**3,641**

Journals covered

**540**

New articles added  
in past 30 days

**8,332**

Faculty Members

**3,256**

Associate  
Faculty Members

**高水平的专家团队(人数要改)**

**5位诺贝尔奖得主**

**81位英国皇家学会院士**

**12位拉斯克奖得主(Lasker Prize)**

**136位国家科学院研究员**

**97位国家医学研究院研究员**

**超过13万篇涉及新发现的  
文章已经被推荐**

# H1Connect

1. **Article Recommendations**: 遴选出近期某领域研究中有着重要价值和意义的文章，并从意义、创新点、方法等方面进行评价
2. **Rankings**: 对选出的文章进一步分级，按照推荐分数和浏览量进行排序
3. **Faculty Reviews Journal**: 就近期某一生物学和医学内容的热门研究提供同行评议报告
4. **Meet the Faculty**: 及时获得生物、医学某一领域的专家信息及其做出的评论

Where **medicine** and **life sciences** connect to create

## H1 Recommended

Recommended by Faculty Members at H1 Connect

Score 9.2

★ Weighted sum of stars: 2.0

↑ Top 1% In

Anesthesiology & Pain  
Management

1 Recommendation

0 ★★★ Exceptional

1 ★★ Very good

0 ★ Good

[View Article](#) | [Learn more](#)

## Article Recommendations

196,803 results |

[Save Search](#)

Filter

Advanced Search

Discipline

☐ Anesthesiology & Pain Management 9,718☐ Biochemistry 36,403☐ Bioinformatics, Biomedical Informatics & Computational Biology 18,272☐ Biological Physics 2,494☐ Biotechnology 48,174[Show all 46 Disciplines](#)[Clear](#)

Showing 1-1

Keyword search

Search

Results per page

10

Sort

H1 Recommended



**Abstract CT053: Merlin\_001: a prospective signature to predict sentinel node (SN) status and determine its prognostic value for more accurate staging of SN-negative melanoma patients.**

Hieken TJ et al. | 2023 Apr 14

Latest recommendation by:

[Piotr Rutkowski](#)[Anna Mariuk-Jarema](#)

12 Jul 2023

Interesting Hypothesis

New Finding

可以关注专家信息  
及相关评论

H1 Recommended



**Abstract CT225: Surufatinib plus toripalimab for first-line treatment of advanced non-small cell lung cancer (NSCLC) with PD-L1 positive expression: A multicenter, single-arm phase 2 study.**

Cheng Y et al. | 2023 Apr 14



Where **medicine** and **life sciences** connect to create a healthier future

## 1. Sign-In...(1)

1

# Insights and opinions from the world's leading experts on the latest advances in medicine and life sciences.

### Access Global Experts

Covering 'bench to bedside', connect with 8000+ Experts across 40 disciplines and 300 specialties.

### Clinical Trials NEW

Stay up-to-date on treatment advances and their potential impact on patient outcomes with expert evaluations of the latest clinical trial results.

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**Piotr Rutkowski**  
Maria Skłodowska-Curie Memorial  
Cancer Center and Institute of...  
Poland



**Yana George Najjar**  
University of Pittsburgh  
United States

## Featured

### Faculty Opinions becomes H1 Connect

July 2023

H1 Connect is the new name for Faculty Opinions reflecting its evolution as an expert-led knowledge sharing community for professionals in medicine

# 1. Sign-In...(2)

Where medicine and life sciences connect to create a healthier future

Keyword search

Search

Insights

## Sign In

Username/Email

Password

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Sign In

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 Sign in with Facebook

Need an account? [Register](#)

## Access



Access Through Institution

## Recommend H1 Connect

Ask us to contact your librarian/ information manager about a free trial for your institution.

Recommend

截图(Alt + A)

## Global Experts

Explore our panel of renowned experts who share new article recommendations.

Rely on trusted sources

Piotr Rutkowski

Maria Skłodowska-Curie Memorial  
Cancer Center and Institute of  
Poland

Yana George Najjar

University of Pittsburgh  
United States

July 2023

H1 Connect is the new name for Faculty  
Options reflecting its evolution as an  
expert-led knowledge sharing  
community for professionals in medicine

- Register / Sign In personal account for saving search results

## Article Recommendations

196,803 results |

[Save Search](#)

Filter

Advanced Search

Showing 1-10 of 196,803

Results per page

10

Sort

### Discipline



☐ Anesthesiology & Pain Management 9,718☐ Biochemistry 36,403☐ Bioinformatics, Biomedical Informatics & Computational Biology 18,272☐ Biological Physics 2,494☐ Biotechnology 48,174[Show all 46 Disciplines](#)[Clear](#)

### Specialty

**H1** Recommended

**Abstract CT053: Merlin\_001: a prospective registry study of a primary melanoma gene-signature to predict sentinel node (SN) status and determine its prognostic value for more accurate staging of SN-negative melanoma patients.**

Hieken TJ et al. | 2023 Apr 14

Latest recommendation by:  [Piotr Rutkowski](#)  [Anna Mariuk-Jarema](#) | 12 Jul 2023

Interesting Hypothesis

New Finding

**H1** Recommended

**Abstract CT225: Surufatinib plus toripalimab for first-line treatment of advanced non-small cell lung cancer (NSCLC) with PD-L1 positive expression: A multicenter, single-arm phase 2 study.**

Cheng Y et al. | 2023 Apr 14

Latest recommendation by:  [Frank Weinberg](#) | 12 Jul 2023

Where **medicine** and **life sciences** connect to create a healthier future

[Search](#)

## Experts

18 results for "Nanjing"



**Lijing Zhu**

Medical School of Nanjing  
University  
China



**Yue Zhang**

Nanjing Medical University  
China



**Chendi Gu**

AstraZeneca  
Sweden


[See All Results](#)

## Article Recommendations

283 results for "Nanjing"

Filtered search results

**H1** Recommended 9.2

The functional evolution of architecturally different plant geranyl diphosphate synthases from geranylgeranyl diphosphate synthase.

Song S et al. | 2023 May 29

Latest recommendation by: [Mark Lange](#) | 18 Jun 2023

New Finding



## 2. Article Recommendations - search

Discipline	Specialty	Classified As	Recommended In
<div><input type="checkbox"/> Anesthesiology &amp; Pain Management 9,718</div> <div><input type="checkbox"/> Biochemistry 36,403</div> <div><input type="checkbox"/> Bioinformatics, Biomedical Informatics &amp; Computational Biology 18,272</div> <div><input type="checkbox"/> Biological Physics 2,494</div> <div><input type="checkbox"/> Biotechnology 48,174</div> <div><a href="#">Show all 46 Disciplines</a> <a href="#">Clear</a></div>	<div><input type="checkbox"/> Airway / Respiratory Physiology 950</div> <div><input type="checkbox"/> Anesthetic Mechanisms 1,187</div> <div><input type="checkbox"/> Cardiovascular Medicine in Anesthesia 1,568</div> <div><input type="checkbox"/> Clinical Pharmacology 1,951</div> <div><input type="checkbox"/> Health Services Research in Anesthesiology &amp; Perioperative Medicine 1,072</div> <div><a href="#">Show all 327 Specialties</a> <a href="#">Clear</a></div>	<div><input type="checkbox"/> Changes Clinical Practice 1,615</div> <div><input type="checkbox"/> Confirmation 36,981</div> <div><input type="checkbox"/> Controversial 13,912</div> <div><input type="checkbox"/> Good For Teaching 29,968</div> <div><input type="checkbox"/> Interesting Hypothesis 44,359</div> <div><input type="checkbox"/> Negative/Null Result 1,233</div> <div><input type="checkbox"/> New Finding 138,282</div> <div><input type="checkbox"/> Novel Drug Target 11,671</div> <div><input type="checkbox"/> Refutation 2,296</div> <div><input type="checkbox"/> Technical Advance 31,073</div>	<div><input checked="" type="radio"/> All-Time 258</div> <div><input type="radio"/> 30 Days 1</div> <div><input type="radio"/> 90 Days 6</div> <div><input type="radio"/> 12 Months 17</div> <div><a href="#">Clear</a></div>
<div>Article Published</div>			
<div>From </div>			
<div>To </div>			
<div><a href="#">Clear</a></div>			



# TMK-based cell-surface auxin signalling activates cell-wall acidification.

Lin W et al.

Nature. 2021 Nov; 599(7884):278-282

<https://doi.org/10.1038/s41586-021-03976-4>

PMID: [34707287](https://pubmed.ncbi.nlm.nih.gov/34707287/)

Institution Image

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## Classifications

New Finding

## Evaluations

Exceptional ★ ★ ★

09 Dec 2021

[Shanjin Huang](#)

The elongation of plant organs, such as hypocotyls, coleoptiles, and roots, driven by auxin, has been explained by the acid-growth theory, which states that auxin enhances the pumping of protons to the outside of the cell via the plasma membrane H<sup>+</sup>-ATPase within several minutes. This suggests that transcriptional regulation is not essential for auxin-induced elongation of plant organs. A previous study...

More

Recommended

37.2

Score 37.2

Relative citation ratio: 5.6

★ Weighted sum of stars: 8.0

↑ Top 0.1% in

Plant Biology

2 Recommendations

2 ★ ★ ★ Exceptional

0 ★ ★ Very good

0 ★ Good

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Article Summary

Classifications


Evaluations

Relevant Sections

Related Articles

[nature](#) > [articles](#) > articleArticle | [Open Access](#) | [Published: 27 October 2021](#)

# TMK-based cell-surface auxin signalling activates cell-wall acidification

Wenwei Lin, Xiang Zhou, Wenxin Tang, Koji Takahashi, Xue Pan, Jiawei Dai, Hong Ren, Xiaoyue Zhu, Songqin Pan, Haiyan Zheng, William M. Gray, Tongda Xu, Toshinori Kinoshita & Zhenbiao Yang 

*Nature* **599**, 278–282 (2021) | [Cite this article](#)

**19k** Accesses | **22** Citations | **138** Altmetric | [Metrics](#)

## Abstract

The phytohormone auxin controls many processes in plants, at least in part through its regulation of cell expansion<sup>1</sup>. The acid growth hypothesis has been proposed to explain auxin-stimulated cell expansion for five decades, but the mechanism that underlies auxin-induced cell-wall acidification is poorly characterized. Auxin induces the phosphorylation and activation of the plasma membrane H<sup>+</sup>-ATPase that pumps protons into the apoplast<sup>2</sup>, yet how auxin activates its phosphorylation remains unclear. Here we show that the transmembrane kinase (TMK) auxin-signalling proteins interact with plasma membrane H<sup>+</sup>-ATPases, inducing their phosphorylation, and thereby promoting cell-wall acidification and hypocotyl cell elongation in *Arabidopsis*. Auxin induced interactions between TMKs and H<sup>+</sup>-ATPases in the plasma membrane within seconds, as well as TMK-dependent phosphorylation of the penultimate threonine residue on the H<sup>+</sup>-ATPases. Our genetic, biochemical and molecular evidence demonstrates that TMKs directly phosphorylate plasma membrane H<sup>+</sup>-ATPases, inducing their phosphorylation and thereby promoting cell-wall acidification and hypocotyl cell elongation in *Arabidopsis*.

[Download PDF](#)[Sections](#)[Figures](#)[References](#)[Abstract](#)[Main](#)[Methods](#)[Data availability](#)[References](#)[Acknowledgements](#)[Author information](#)[Ethics declarations](#)[Additional information](#)[Extended data figures and tables](#)[Supplementary information](#)[Source data](#)[Rights and permissions](#)[About this article](#)[Further reading](#)

# 3. The H1...(1)

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## Experts

7,964 results

[Filter](#)[Advanced Search](#)

Showing 1-20 of 7,964

Results per page 20

Discipline

☐ Anesthesiology & Pain Management 286

☐ Bioinformatics, Biomedical Informatics & Computational Biology 153

☐ Biological Physics 107

☐ Cardiovascular Disorders 111

☐ Cell Biology 766

[Show all 36 Disciplines](#)

[Clear](#)



**Piotr Rutkowski**

Maria Skłodowska-Curie Memorial Cancer Center and Institute of Oncology  
Poland



**Antti Aalto**

University of California, San Diego  
United States



**Matti Aapro**

Clinique de Genolier  
Switzerland



**Emmeke Aarts**

Utrecht University  
Netherlands



# 3. The H1...(2) Eperts from“China”

H1Connect

Article Recommendations

Clinical Trials

Collections

Rankings

Experts

Faculty Reviews

Sign In

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Keyword search

Search

Search by Name/Country/Institution

e.g. “China”

## Experts

7,964 results

Filter

Advanced Search

Showing 1-20 of 7,964

Results per page 20

Discipline

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Show all 36 Disciplines

Clear



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Clinique de Genolier  
Switzerland



**Emmeke Aarts**

Utrecht University  
Netherlands

1 - 14 of 20

< >

## 4. The H1 ...(3) Faculty Structure



- **Heads of Faculty** are the most eminent individuals in their field overseeing each of the Faculties across biology and medicine. They divide their Faculty into its major disciplines – Sections – and appoint Section Heads for each of these fields.
- **Section Heads** are leading authorities in their respective discipline, who provide editorial oversight and appoint Faculty Members to review the literature to ensure the full breadth of the field is covered.
- **Faculty Members** are leading experts, who recommend the most noteworthy articles in their fields, sharing their perspective and opinion to help you understand the key points and context.
- **Associate Faculty Members** are appointed by Faculty Members to assist them with the recommendation process. They also scan the tables of contents of the major general and specialist journals to ensure that the literature is systematically and comprehensively covered.

The Faculty comprises peer-nominated, internationally-renowned researchers from across the world, who pick out and recommend articles they consider to be highly important to others working both in their field and beyond.

## 5. H1 @PubMed...(1)

Registered with PubMed, go to 'My NCBI' and follow these steps:

1. Go to Filters, PubMed
2. Click Manage Filters
3. Under Browse/Search for PubMed Filters, click LinkOut
4. Search for Faculty Opinions
5. Click Filter and Link Icon

## 5. H1 @PubMed...(2)

The screenshot shows the PubMed.gov homepage. At the top left is the NIH logo and text: "National Library of Medicine" and "National Center for Biotechnology Information". The PubMed.gov logo is in the center. A search bar contains the text "lung cancer". Below the search bar, it says "Advanced". A paragraph states: "PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and... Citations may include links to full-text content from PubMed Central and publisher web sites." In the top right corner, a user is logged in as "jackjia2010@gmail.com". A dropdown menu titled "ACCOUNT" is open, showing options: "Logged in as: jackjia2010@gmail.com", "Dashboard (My NCBI)", "Publications (My Bibliography)", "Account settings" (highlighted with a red box), and "Log out".



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Clinical Queries  
Single Citation Matcher



### Download

E-utilities API  
FTP  
Batch Citation Matcher



### Explore

MeSH Database  
Journals  
Legacy PubMed (available until at least 10/31/2020)





## 5. H1 @PubMed...(3)

My NCBI » Settings

### NCBI Account Settings

#### Email

jackjia2010@gmail.com (confirmed)

This email is used for delivery of saved searches.

Change

#### Linked accounts

*You can sign in via these 3rd-parties. Contact the 3rd party for sign-in related issues.*

Google

jackjia2010@gmail.com (currently signed in via this method)

Change

#### Delegates

You can add delegates to help you manage your bibliography and/or SciENcv profiles.

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#### API Key Management

Create an API Key

E-utils users are allowed 3 requests/second without an API key. Create an API key to increase your e-utils limit to 10 requests/second. Contact our [help department](#) if you need higher throughput. Only one API Key per user. Replacing or deleting will inactivate the current key. Use this key by passing it with `api_key=API_KEY` parameter. Refer to [documentation](#) for more.

## 5. H1 @PubMed ...(4)



COVID-19 is an emerging, rapidly evolving situation.  
Get the latest public health information from CDC: <https://www.coronavirus.gov>.  
Get the latest research from NIH: <https://www.nih.gov/coronavirus>.  
Find NCBI SARS-CoV-2 literature, sequence, and clinical content: <https://www.ncbi.nlm.nih.gov/sars-cov-2/>.

My NCBI » Filters

[Filters help](#)

You are managing filters for: PubMed

Choose another database: PubMed (1 active) ▼

### Your PubMed filter list

Create custom filter

You do not have any active filters for this database.  
Create a new custom filter using the button above, or select filters from Browse/Search Panel to the right.

### Browse/Search for PubMed Filters

Select category:

☐ Popular ☒ LinkOut ☐ Properties ☐ Links


Search with terms (optional):

faculty opinions


Search

Active		Link Icon	Name	Description
Filter				
<input type="checkbox"/>	<input type="checkbox"/>		Faculty Opinions ( <a href="#">website</a> )	See the articles recommended by a Faculty of more than 8,000 leading experts in biology and medicine.


## 5. H1 @PubMed ...(5)

 National Library of Medicine  
National Center for Biotechnology Information

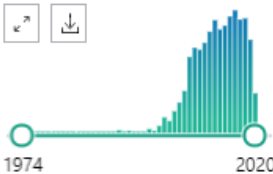
jackjia2010@gmail.c...



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MY NCBI FILTERS  2,115 results

All (351,986)  
**fopinions (2,115)**

RESULTS BY YEAR  
  
1974 2020

TEXT AVAILABILITY  
☐ Abstract  
☐ Free full text  
☐ Full text

ARTICLE ATTRIBUTE  
☐ Associated data

ARTICLE TYPE  
☐ Books and Documents  
☐ Clinical Trial  
☐ Meta-Analysis

☐ **Lung cancer:** current therapies and new targeted treatments.  
1 Hirsch FR, Scagliotti GV, Mulshine JL, Kwon R, Curran WJ Jr, Wu YL, Paz-Ares L.  
Cite Lancet. 2017 Jan 21;389(10066):299-311. doi: 10.1016/S0140-6736(16)30958-8. Epub 2016  
Share Aug 27.  
PMID: 27574741 **Free article.** Review.  
**Lung cancer** is the most frequent cause of **cancer**-related deaths worldwide. Every year, 1-8 million people are diagnosed with **lung cancer**, and 1-6 million people die as a result of the disease. 5-year survival rates vary from 4-17% depending on s ...

☐ **Pembrolizumab versus docetaxel for previously treated, PD-L1-positive, advanced non-small-cell lung cancer (KEYNOTE-010): a randomised controlled trial.**  
2 Herbst RS, Baas P, Kim DW, Felip E, Pérez-Gracia JL, Han JY, Molina J, Kim JH, Arvis CD, Ahn MJ, Majem M, Fidler MJ, de Castro G Jr, Garrido M, Lubiniecki GM, Shentu Y, Im E, Dolled-Filhart M, Garon EB.  
Cite Lancet. 2016 Apr 9;387(10027):1540-1550. doi: 10.1016/S0140-6736(15)01281-7. Epub 2015  
Share Dec 19.  
PMID: 26712084 Clinical Trial.  
BACKGROUND: Despite recent advances in the treatment of advanced non-small-cell **lung cancer**, there remains a need for effective treatments for progressive disease. We assessed the efficacy of pembrolizumab for patients with previously treated, PD-L1-positive, advanc ...

☐ **Metastatic-niche labelling reveals parenchymal cells with stem features.**  
3 Ombrato L, Nolan E, Kurelac I, Mavousian A, Bridgeman VL, Heinze I, Chakravarty P,  
Horswell S, Gonzalez-Gualda F, Matarichione G, Weston A, Kirkpatrick I, Hussain F, Snares V

# H1Connect

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National Institutes of Health

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## PubMed

PubMed comprises more than 22 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.


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对PubMed收录的全部文章进行筛选，挑选并推荐其中重要的文章





# Thanks