



ELSEVIER

大数据时代如何开拓视野 发表高水平科研成果

于婷婷 博士
爱思唯尔



文献阅读时有没有遇到以下几个问题？

- 去哪里查文献？
 - 去哪里找原文？
 - 文献这么多，怎么选？
-
- 文献看不懂，术语不理解怎么办？
 - 文章太长，重点要看哪里？
 - 看完就忘怎么办？



主要内容

- 爱思唯尔及科研数据库介绍
- 专题案例分享
 - 巧用ScienceDirect平台高效阅读文献
 - 实时追踪领域进展和同行作者动态

ScienceDirect

Engineering Village



爱思唯尔是全球最大的科技信息和科研服务机构

从出版到数据信息服务



纸质



电子



文献



软件、数据库
信息解决方案



学者

全社会科技工作者
(高校、企业、政府)

 **2,900** 种顶尖科技期刊

包括《柳叶刀》《细胞》《四面体》等



30 个数字化科研解决方案

ScienceDirect 科技文献

Scopus 科研索引

SciVal 科技情报

Embase 生物医药/医疗器械

Reaxys 化学合成

EV 工程技术

Pure 科研信息管理

ClinicalKey 临床决策支持

ClinicalPath 肿瘤诊疗

STATdx 放射影像

科研论文的结构

Neuron
Volume 21, Issue 3, September 1998, Pages 531-543



Article
The Cloned Capsaicin Receptor Integrates Multiple Pain-Producing Stimuli

Makoto Tominaga¹, Michael J Caterina¹, Annika B Malmberg², Tobias A Rosen¹, Heather Gilbert², Kate Skinner², Brigitte E Raumann¹, Alan I Basbaum², David Julius^{1,2,3,4}

Show more ▾

+ Add to Mendeley Share Cite

[https://doi.org/10.1016/S0896-6273\(00\)80544-4](https://doi.org/10.1016/S0896-6273(00)80544-4)
Under an Elsevier user license

Get rights and content
[open archive](#)

Abstract

Capsaicin, the main pungent ingredient in "hot" chili peppers, elicits burning pain by activating specific (vanilloid) receptors on sensory nerve endings. The cloned vanilloid receptor (VR1) is a cation channel that is also activated by noxious heat. Here, analysis of heat-evoked single channel currents in excised membrane patches suggests that heat gates VR1 directly. We also show that protons decrease the temperature threshold for VR1 activation such that even moderately acidic conditions ($\text{pH} \leq 5.9$) activate VR1 at room temperature. VR1 can therefore be viewed as a molecular integrator of chemical and physical stimuli that elicit pain.

全文数据库
(如ScienceDirect)

Research Article

Original research articles

Short Communications(Within 3-4 pages)

1. Title
 2. Authors
 3. Abstract
 4. Keywords
 5. Introduction
 6. Methods and Materials
 7. Results and Discussion
 8. Conclusions
 9. Acknowledgements
 10. References
- *Supplementary Information

Review Article

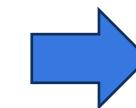
1. Reflect the trend and direction of future research;
2. Topics that address cutting-edge problems;
3. Sending outline to editor for consultation.

引文和摘要数据库
(如Scopus, EV)

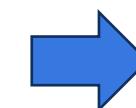
1. Title
2. Authors
3. Abstract
4. Keywords
5. Introduction
6. Main body
7. Conclusions
8. (Perspectives)
9. Acknowledgements
10. References (Important)

EV 文摘库精准聚焦工程技术领域的文献、会议论文、行业标准、学位论文及专利等，了解研究趋势

The screenshot shows the Engineering Village search interface. At the top, there are navigation links for 'Search', 'Search history' (with 5 items), 'Alerts' (0), 'Selected records' (0), and 'More'. Below the header is a search bar with the query 'All fields' checked and the term 'for "iii-V semiconductors"'. Underneath the search bar are buttons for 'Turn off AutoSuggest', '+ Add search field', and 'Reset form'. At the bottom of the interface are dropdown menus for 'Databases', 'Date', 'Language', 'Document type', 'Sort by', 'Browse indexes', 'Autostemming', 'Discipline', and 'Treatment'.



The screenshot shows a ScienceDirect article page for 'materialstoday'. The main title is 'Design of thin solid-state electrolyte films for safe and energy-dense batteries'. The authors listed are Caoyu Wang^{a,1}, Cheng Wang^{a,1}, Mingnan Li^a, Shili Zhao^a, Chaoen Zhang^b, Shulei Zhou^c, Jianfeng Muo^c, and Zaiqing Guo^c. The article is from Volume 72, January–February 2024, Pages 235-254. The page includes sections for 'Outline', 'Abstract', 'Graphical abstract', 'Introduction', 'Conclusion and perspectives', 'Declaration of competing interest', 'Acknowledgments', 'Data availability', 'References', and 'Figures (9)'. There are also links for 'View PDF' and 'Download full issue'.



ScienceDirect获取和阅读原文

ScienceDirect 内容覆盖的深度：1/3学科的TOP1期刊在这里！



如何访问 爱思唯尔数据库？

图书馆主页



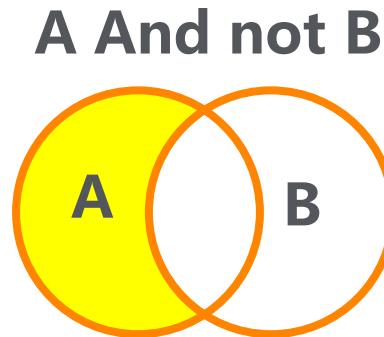
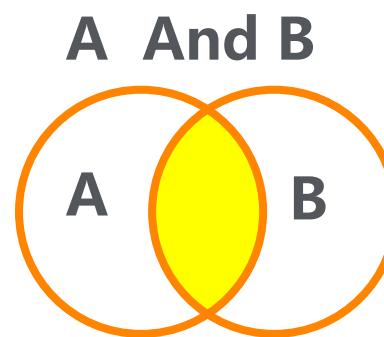
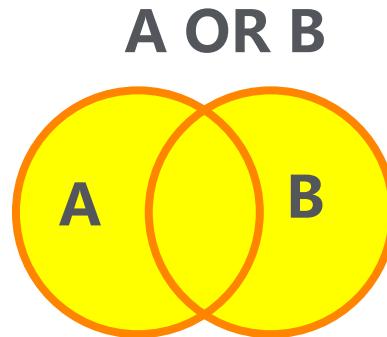
直接输入官网网址

www.sciencedirect.com
www.engineeringvillage.com

一、科学检索锁定重要文献

(一) 科学设置关键词, 优化检索式

1. 基本检索规则和运算符



运算符/通配符	检索结果	检索式	作用
*	gene, genetics, generation等	gene*	代表≥0个字符
?	women; woman等	wom?n	代表1个字符
" "	large scale	"large scale"	必须关联的术语 粗略/近似短语检索
{}	large scale	{large scale}	精确短语检索



“短语检索” 举例

Title

fast Fourier transform

467 results

Set search alert

Refine by:

Years



Download selected articles



Export

relevance | date



Research article

Full text access

18

Fourier transform near-infrared spectroscopy coupled with variable selection methods for fast determination of salmon fillets storage time

Journal of Molecular Structure, 3 May 2022

Peng Li, Junchao Ma, Nan Zhong



View PDF

Abstract ▾

Figures ▾

Export ▾

Title

“fast Fourier transform”

408 results

Set search alert

Refine by:

Years



Download selected articles



Export

relevance | date



Research article

Open access

1 A fast Fourier transform-based solver for elastic micropolar composites

Computer Methods in Applied Mechanics and Engineering, 11 October 2023

Noah M. Francis, Fatemeh Pourahmadian, ... Rémi Dingreville



View PDF

Abstract ▾

Figures ▾

Export ▾



EV数据库：精准全面的工程技术检索

案例1：检索 Fatigue

Search > Results for fatigue (Topic)

218,157 results from Web of Science Core Collection for:

Analyze Results Citation Report Create Alert

fatigue (Topic) Search Google Scholar fatigue

+ Add Keywords Quick add keywords: + FATIGUE + FATIGUE LIFE + CHRONIC FATIGUE SYNDROME + FATIGUE CRACK GROWTH + MUSCLE FATIGUE + FATIGUE STRENGTH

Publications You may also like...

Refine results

Search within results...

Quick Filters

- Highly Cited Papers 1,608
- Hot Papers 50
- Review Article 15,442
- Early Access 2,672
- Open Access 92,112
- Enriched Cited References 40,636
- Open publisher-invited reviews 238

Publication Years

Show Final Publication Year

- 2024 4,178
- 2023 21,592
- 2022 22,794
- 2021 21,924
- 2020 19,379

See all >

Articles

About 4,850,000 results (0.03 sec)

Any time Since 2024 Since 2023 Since 2020 Custom range...

Sort by relevance Sort by date Any type Review articles

include patents include citations Create alert

力学：微动和普通疲劳

Correlation between fretting and plain fatigue using fatigue damage gradient
Hwang, D and Cho, SS
Jun 2014 | JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY 28(6) 1-10
Fretting fatigue is correlated with plain fatigue in order to develop a method to estimate fretting fatigue life from plain fatigue data. Fretting fatigue experiments as well as plain ones were conducted to obtain fatigue life data at various conditions. Finite element analyses were conducted to evaluate the Smith-Watson-Topper (SWT) fatigue damage parameter around crack initiation location. It ... Show more
Full Text at Publisher ...

5 Citations 15 References Related records

医学疲劳

Different types of fatigue in patients with facioscapulohumeral dystrophy, myotonic dystrophy and HMSN-I.
Experienced fatigue and physiological fatigue
Kalkman, JS; Zwarts, MJ; Bleijenberg, G
Sep 2008 | NEUROLOGICAL SCIENCES 29, pp.S238-S240
Although fatigue is a common symptom in neuromuscular disorders, little is known about different types of fatigue. Sixty-five FSHD, 79 adult-onset MD and 73 HMSN type I patients were studied. Experienced fatigue was assessed with the CIS-fatigue subscale. Physiological fatigue was measured during a 2-min sustained maximal voluntary contraction of the biceps brachii muscle using the twitch inter ... Show more
Full Text at Publisher View Full Text on ProQuest ...

30 Citations 9 References Related records

慢性疲劳综合征

[PDF] Mechanisms of fatigue
MP Davis, D Walsh - J Support Oncol, 2010 - academia.edu
... Fatigue lasting 6 months without an underlying somatic disorder is called the chronic fatigue syndrome. Fatigue may be defined as a progressive loss of the ability to generate maximum ...
☆ Save ⚡ Cite Cited by 233 Related articles All 4 versions »

材料-疲劳裂纹

[BOOK] Fatigue of materials
S Suresh - 1998 - books.google.com
... The book begins with discussions of cyclic deformation and fatigue crack initiation ... fatigue, contact fatigue, variable amplitude fatigue, creep fatigue, and environmentally assisted fatigue. ...
☆ Save ⚡ Cite Cited by 8041 Related articles All 6 versions »

中风后疲劳

[HTML] Poststroke fatigue—a review
A Lerdal, LN Bakken, SE Kouwenhoven... - Journal of pain and ..., 2009 - Elsevier
... to determine the presence of fatigue in poststroke patients. Poststroke fatigue is most

EV数据库：精准全面的工程技术检索

案例1：检索 Fatigue

 Engineering Village

254,882 records found in Compendex for 1884-2024: ((fatigue) WN ALL)

Search dropdown, Search history dropdown (8), Alerts (0), Selected records (0), More dropdown (5), Filter icon, Sort by: Relevance

1 of 10,196 pages

Create alert, Save search, Share search

Display: 25 results per page

Refine

By physical property: Filter results by physical properties such as size, temperature, pressure and many more ↗

By category: Download all ↘

Limit to: Exclude

Add a term

Open Access: All Open Access (35,590), Gold (10,089), Hybrid Gold (3,766), Bronze (12,838), Green (16,738)

Learn more ↗

Document type: Journal article (149,098), Conference article (85,970), Conference proceeding (3,221), Dissertation (2,831)

Sort by: Relevance

Display: 25 results per page

1. **The Fatigue Behavior and Mechanism of Large FV520B-I Specimens in a Very High Cycle Regime** (Open Access)
Zhang, Han (School of Mechanical Engineering, Qilu University of Technology (Shandong Academy of Sciences), 3501 Daxue Road, Jinan; 250353, China);
Zhao, Ya-Fan; Zhang, Ming; Li, Meng-Li; Liu, Long; Cui, Yu-Liang; Shang, Xian-Dong Source: Journal of Materials Engineering and Performance, v 33, n 2, p 950-960, January 2024
Database: Compendex
Document type: Journal article (JA)
Show preview ↘ Full text ↗ Check Local Full-text

材料-腐蚀疲劳裂纹

2. **Notch Fatigue Property of 7050-T7451 Aluminum Alloy under Bending Resonance Environment**
He, Dingni (China Helicopter Research and Development Institute, Jingdezhen; 333001, China); **Cui, Wei; Liao, Yunfei; Zhang, Jianbo** Source: Mechanika, v 30, n 1, p 14-22, 2024
Database: Compendex
Document type: Journal article (JA)
Show preview ↘ Full text ↗ Check Local Full-text

铝合金疲劳性能

3. **The Influence of Hard Coatings on Fatigue Properties of Pure Titanium by a Novel Testing Method** (Open Access)
Hu, Cai (School of Materials Science and Engineering, Central South University, Changsha; 410083, China); **Zhao, Lei; Zhang, Yong; Du, Zhinan; Deng, Yunlai** Source: Materials, v 17, n 4, February 2024
Database: Compendex
Document type: Journal article (JA)
Show preview ↘ Full text ↗ Check Local Full-text

纯钛疲劳性能

4. **A method to estimate fatigue limit using (1/Nf)-S curve**

Feedback icon

EV数据库：强大的叙词表功能使工程技术检索简单而精准

案例2：iii-v 族半导体

Web of Science

Search

Results: 14,721
(from Web of Science Core Collection)

You searched for: TOPIC: (III-V semiconductors)

Timespan: All years. Indexes: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, ESCI.

...Less

Create an alert



EV数据库 www.engineeringvillage.com/

Google Scholar

"III-V semiconductors"

Articles About 21.500 results (0,10 sec)

Engineering Village

Quick search: All fields for "III-V semiconductors"

174,623 records found in Compendex for 1884-2024: ("III-V semiconductors") WN ALL

Create alert Save search Share search

Refine By physical property Filter results by physical properties such as size, temperature, pressure and many more ↗

1. Engineering the Infrared Optical Response of Plasmonic Structures Fehlen, Pierre (Nanomatériaux pour les Systèmes Sous Sollicitations Extrêmes, UMR Saint-Louis; 68300, France); Guise, Julien; Thomas, Guillaume; Gonzalez-Posada, Fei

EV数据库专业的工程叙词表确保工程技术专业检索没有遗漏

- "InSb_C"
- "Aluminium gallium arsenide**"
- "Indium gallium arsenide**"
- "Indium gallium phosphide**"
- "Aluminium indium arsenide**"
- "Aluminium indium antimonide**"
- "Gallium arsenide nitride**"
- "Gallium arsenide phosphide**"
- "Gallium arsenide antimonide**"
- "Aluminium gallium nitride**"
- "Aluminium gallium phosphide**"
- "Indium gallium nitride**"
- "Indium arsenide antimonide**"
- "Indium gallium antimonide**"
- "Aluminium gallium indium phosphide**"
- "Aluminium gallium arsenide phosphide**"
- "Indium gallium arsenide phosphide**"
- "Indium gallium arsenide antimonide**"
- "Indium arsenide antimonide phosphide**"
- "Aluminium indium arsenide phosphide**"
- "Aluminium gallium arsenide nitride**"
- "Indium gallium arsenide nitride**"
- "Indium aluminium arsenide nitride**"
- "Gallium arsenide antimonide nitride**"
- "Gallium indium nitride arsenide antimonide**"
- "Gallium indium arsenide antimonide phosphide**"
- "AlxGa1-xAs_C"
- "InxGa1-xAs_C"
- "InxGa1-xP_C"
- "AlxIn1-xAs_C"
- "AlxIn1-xSb_C"

EV数据库：强大的叙词表功能使工程技术检索简单而精准



Engineering Village

Search 6 Search history 6 Alerts 0 Selected records 0 More

1. 普通检索中EV数据库根据工程叙词表智能推荐最专业检索词

Quick search: All fields for III-V

III-V compound semiconductors

Recommended terms: III-V semiconductors

III-V semiconductors

AutoSuggest Powered by Ei Thesaurus

或者

Turn off

Essential search

Quick Search

Expert Search

Thesaurus Search

Search history 7 Alerts 0 Selected records 0 More

案例2：III-V 族半导体

Thesaurus search: Vocabulary search for semiconductors

Database: Compendex Inspec PaperChem GEOBASE GeoRef

2. 通过叙词thesaurus检索模式，推荐最相关的工程检索词

49 matching terms ^

Term	Term
<input type="checkbox"/> Amorphous semiconductors	<input type="checkbox"/> Layered semiconductors
<input type="checkbox"/> Diluted magnetic semiconductors	<input type="checkbox"/> Magnetic semiconductors
<input type="checkbox"/> II-VI semiconductors	<input type="checkbox"/> Narrow band gap semiconductors
<input type="checkbox"/> III-V semiconductors	<input type="checkbox"/> Oxide semiconductors
<input type="checkbox"/> IV-VI semiconductors	<input type="checkbox"/> Wide band gap

Selected term(s) >

Select term by using the checkboxes or find additional terms by clicking on the term...

ScienceDirect快捷检索

Search for peer-reviewed journal articles and book chapters (including **open access** content)

Keywords *Author name* *Journal/book title* *Volume* *Issue* *Page*  [Advanced search](#)

关键词 作者 期刊/电子书 卷 期 页码

Elsevier journals offer the latest peer-reviewed research papers on climate change, biodiversity, renewable energy and other topics addressing our planet's climate emergency. Join us in working towards a sustainable future with our editorially independent report on creating a Net Zero future.

[Get the Net Zero report](#)



www.sciencedirect.com

高级检索

Find articles with these terms

支持检索式搜索

期刊/电子书

In this journal or book title

Year(s)

出版年

作者

Author(s)

Author affiliation

作者归属机构

卷

Volume(s)

Issue(s)

期

Page(s)

页码

标题、摘要、关键词

Title, abstract or author-specified keywords

参考文献

References

标题

ISSN or ISBN



小结一：科学检索锁定重要文献

- 关键词和短语检索
- Engineering Village
 - 工程叙词表实现工程技术领域精准专业检索
- ScienceDirect
 - 高质量原文获取和阅读



二、如何高效阅读文献？

文献看不懂，术语不理解怎么办？

文章太长，重点要看哪里？

看完就忘怎么办？

ScienceDirect 全记录页面

[Journals & Books](#)

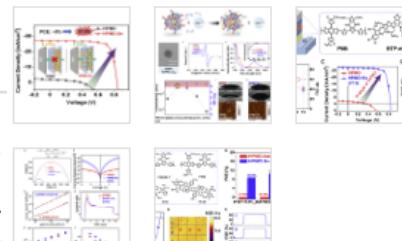

全文大纲导航

- [Outline](#)
- [Highlights](#)
- [Context & scale](#)
- [Summary](#)
- [Graphical abstract](#)
- [Keywords](#)
- [Introduction](#)
- [Results and discussion](#)
- [Experimental procedures](#)
- [Acknowledgments](#)
- [Supplemental info](#)
- [References](#)
- [Show full outline](#)

阅读重点依研究阶段而异

Cited By (28)

Figures (5)


[View PDF](#)
[Download Full Issue](#)

Joule

Volume 5, Issue 3, 17 March 2021, Pages 646-658



Article

n-doped inorganic molecular clusters as a new type of hole transport material for efficient organic solar cells

Qian Kang¹, Zhong Zheng¹, Yunfei Zu¹, Qing Liao¹, Pengqing Bi¹, Shaoqing Zhang², Yi Yang¹, Bowei Xu¹, Jianhui Hou^{1, 3},

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.joule.2021.01.011>

[Get rights and content](#)

Open archive

Highlights

- A method for developing HTL material with high conductivity and suitable energy level
- The HTL possesses low cost, easy preparation, and good compatibility

人工智能推荐文章

Recommended articles

Nanoscale heterogeneous distribution of surfac...
Joule, Volume 5, Issue 12, 2021, pp. 3154-3168

Download PDF View details

Small-molecular donor guest achieves rigid 18....
Joule, Volume 5, Issue 9, 2021, pp. 2395-2407

Download PDF View details

A highly crystalline non-fullerene acceptor enab...
Joule, Volume 5, Issue 5, 2021, pp. 1231-1245

Download PDF View details

1 2 Next

Article Metrics

Citations

27

Citation Indexes:

Captures

34

Readers:

Social Media

40

Shares, Likes & Comments:

2

Tweets:



ELSEVIER

图片放大镜

View PDF

Outline

- Highlights
- Context & scale
- Summary
- Graphical abstract
- Keywords
- Introduction
- Results and discussion
- Experimental procedures
- Acknowledgments
- Supplemental information
- References

Show full outline ▾

Cited By (28)

Figures (5)

Joule
Volume 5, Issue 3, 17
Article

n-doped in type of hole organic semiconductors

Qian Kang¹, Zhong Z...
Jianhui Hou^{1, 3, 9, □}

Show more ▾

+ Add to Mendeley

Download : Download high-res image (596KB)

Download : Download full-size image

Get rights and content

Open archive

<https://doi.org/10.1016/j.joule.2021.01.011>

Under an Elsevier user license

Highlights

- A method for developing HTL material with high conductivity and suitable energy level
- The HTL possesses low cost, easy preparation, and good compatibility

Journals & Books



Recommended articles

Nanoscale heterogeneous distribution of surfac...
Joule, Volume 5, Issue 12, 2021, pp. 3154-3168

Download PDF View details ▾

Small-molecular donor guest achieves rigid 18....
Joule, Volume 5, Issue 9, 2021, pp. 2395-2407

Download PDF View details ▾

A highly crystalline non-fullerene acceptor enab...
Joule, Volume 5, Issue 5, 2021, pp. 1231-1245

Download PDF View details ▾

1 2 Next >

Article Metrics

Citations

Citation Indexes: 27

Captures

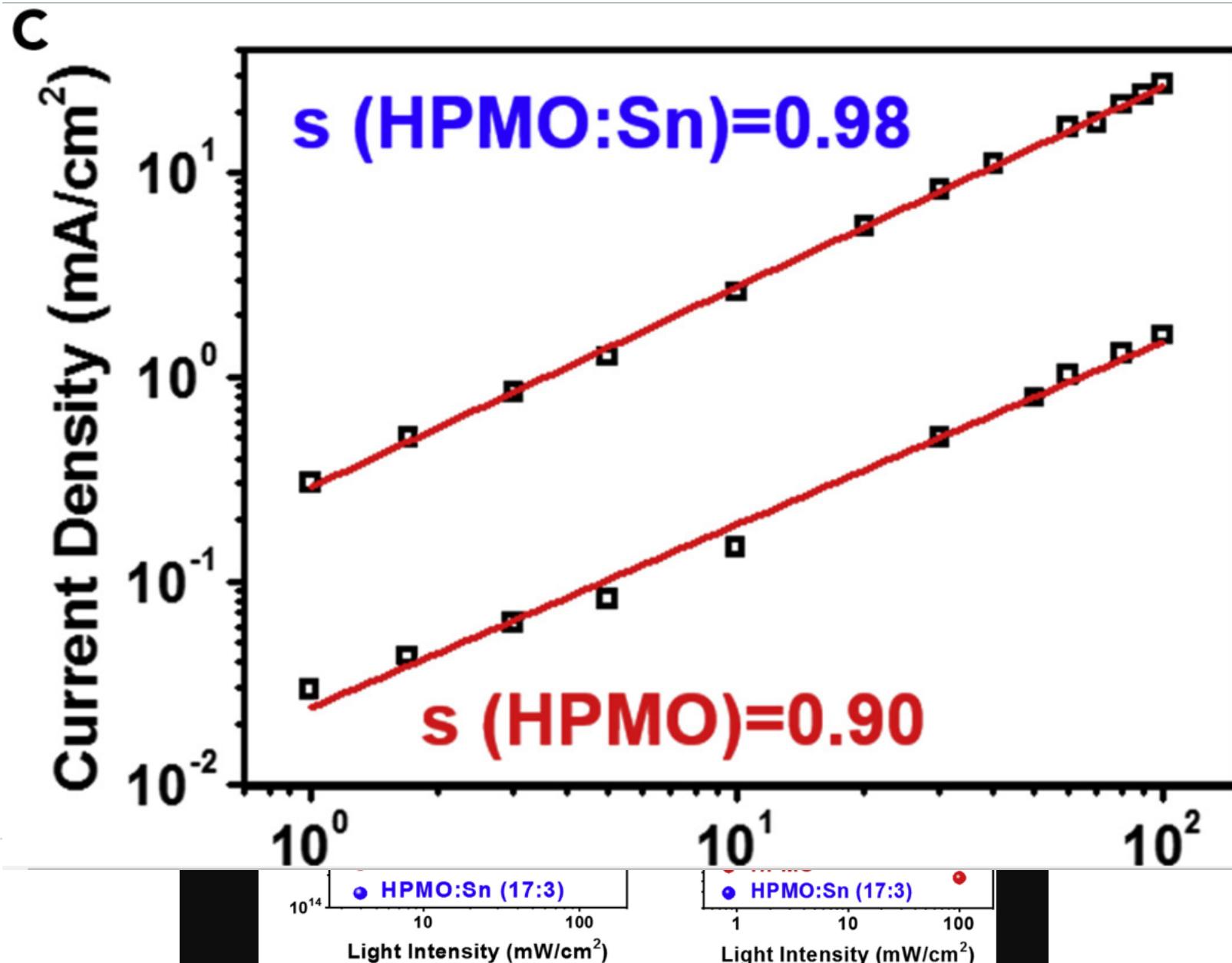
Readers: 34

Social Media

Shares, Likes & Comments: 40

Tweets: 2

图片放大镜



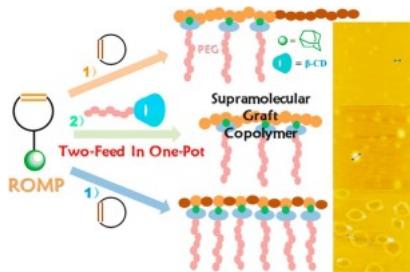
主题词百科-Topic Page

[View PDF](#)
[Download full issue](#)

followed by efficient complexation between cyclodextrin and adamantane to form amphiphilic supramolecular graft copolymers via a two-feed one-pot. Subsequently, amphiphilic supramolecular block and alternating copolymers were constructed using a similar technique via the copolymerisation of cyclooctene with cyclopentene in one-pot. Importantly, the degree of polymerization and molecular weight distribution of these supramolecular polymers were controlled, and further they self-assembled into supramolecular nanostructures with diverse morphologies in aqueous solution. It is expected that these polymers will provide a new direction for designing and constructing noncovalent supramolecular metathesis polymers.

Graphical abstract

Three types of noncovalently connected amphiphilic supramolecular copolymers were prepared relying on ring-opening metathesis polymerization (ROMP) and host-guest interaction via a two-feed procedure in one-pot; The polymers self-assemble into supramolecular nanostructures with diverse mor-


[Download : Download high-res image \(63KB\)](#)
[Download : Download full-size image](#)
1

Ring Opening Metathesis Polymerisation

ROMP led to the ring opening of cyclopentene to a polypentenamer elastomer by breaking and reforming olefin double bonds with simultaneous opening of the unsaturated cycles of the monomers.

From: [Reference Module in Materials Science and Materials Engineering, 2019](#)

[+ Add to Mendeley](#) [Download as PDF](#) [Set alert](#)

[About this page](#)

2

Related terms:

Ruthenium, Block Copolymer, Norbornene, Ligand, Alkene, Carbene, Metathesis Reaction, Olefin Metathesis, Grubbs Metathesis, Monomer

[View all Topics >](#)

3

Ring-Opening Polymerization and Special Polymerization Processes

L.L. Kies
References
4.28.1. ROMP
applications
exceptional

Polymeric Materials – Well Defined Block Copolymers

1. Definitions extracted from Elsevier books.

从爱思唯尔图书中提炼的定义

2. Related terms with hyperlinks to explore.

链接到相关术语，进行深入探索

3. Short extracts of the most relevant information that are often found deep within book chapters and links to the source books for further exploration.

摘录最相关的信息，从图书章节中深度挖掘，并链接到来源图书，以便做进一步的研究

[Previous article in issue](#)

Next article in issue

主题词百科

37万

主题页面

1000万

期刊文章

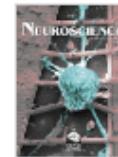
平均
2200万

月浏览量



Neuroscience

Volume 172, 13 January 2011, Pages 196–204



Cognitive, Behavioral, and Systems Neuroscience

A sex comparison of the anatomy and function of the main olfactory bulb–medial amygdala projection in mice

N. Kang^a, E.A. McCarthy^a, J.A. Cherry^b, M.J. Baum^a

[Show more](#)

<http://dx.doi.org/10.1016/j.neuroscience.2010.11.003>

Abstract

We previously reported that some main olfactory bulb (MOB) mitral/tufted (M/T) cells send a direct projection to the “vomeronasal” amygdala in female mice and selectively respond to volatile male mouse urinary odors. We asked whether MOB M/T cells that project to the vomeronasal amygdala exist in male mice and whether there is a sexually dimorphic response of these neurons to volatile male urinary pheromones. Gonadectomized male and female mice received bilateral injections of the retrograde

Latest Research

最新研究

Methods

方法

Fundamentals

基础

Definitions

定义

参考文献超链接

[View PDF](#)[Download full issue](#)

2.1. Materials

Graphene Oxide (GO) was synthesized from graphite powder according to a modified Hummer's method. Other chemicals and reagents were purchased from Beijing Chemicals Factory. Deionized water was used in all experiments.

2.2. Fabrication of the Ni nanochains and the rGO/Ni nanohybrids

Ni nanochains were prepared according to our previous work [28]. In brief, 0.119 g of $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ and 0.333 g of polyvinyl pyrrolidone were dissolved in 100 ml of ethylene glycol (EG) solvent with mechanical stirring for 2 h to obtain a transparent solution. Next, 0.265 mL of the hydrazine monohydrate liquid (80%) was added to the as prepared solution dropwise. After stirring for 2 h, the homogeneous suspension was transferred to a heating jacket and heated to the boiling point of EG ($\sim 197^\circ\text{C}$) with refluxing for 3 h, then a dark precipitate was obtained. Subsequently, the precipitate was washed several times with distilled water and absolute ethanol and finally dried at 60°C for 12 h for further characterization.

The rGO/Ni nanohybrids were synthesized by a facile synthetic route. First, the graphene oxides with different mass were put in deionized water with ultrasonic treatment for 2 h to obtain a homogeneous dispersion. Then this solution was heated to 90°C in an oil bath under magnetic stirring, after that, a certain amount of $\text{N}_2\text{H}_4 \cdot \text{H}_2\text{O}$ was dissolved in the reaction solution. After stirring for 3 h, the solution was cooled to room temperature and then the as-synthesized Ni chains were added in, with continuing sonication for another 2 h. Finally, the black mixture was collected by centrifugation and washed several times using the deionized water and then freeze-dried at -50°C for 48 h to get rGO/Ni hybrids powders. The mass ratio between rGO and Ni were 4:1, 2:1, 1:1, 1:2, and 1:4, respectively.

- 参考文献中一般包含领域最经典最重要文献
- 直接获取原文

 W. Xu, Y.F. Pan, W. Wei, G.S. Wang, P. Qu
Microwave absorption enhancement and dual-nonlinear magnetic resonance of ultra small nickel with quasi-one-dimensional nanostructure
Appl. Surf. Sci., 428 (2018), pp. 54-60
Article  [Download PDF](#) [Google Scholar](#)
[View in article](#)

小结二：高效阅读文献

- 全文大纲导航
- 相关文献-拓展视野
- 图片放大镜
- 主题词百科—理解术语
- 参考文献超链接—获取经典文献全文



三、追踪领域进展和同行动态

1. 追踪领域进展-检索结果设置通知

及时获取最新文献！

The screenshot shows the ScienceDirect search interface. At the top, there is a search bar with the query "6G AND computing". Below the search bar, there is a link to "Advanced search". On the left side, there is a sidebar with the text "11,603 results" and a button "Set search alert". In the center, a modal dialog box titled "Save search alert" is open. Inside the dialog, the search term "6G computing" is entered into a field labeled "Name of search alert (required)". Below this, the "Email frequency" is set to "Weekly". There are two options for frequency: "Weekly" (which is selected) and "Monthly". A note at the bottom of the dialog says "note: This alert will be sent to you every week or month, depending on your chosen frequency." At the bottom right of the dialog is a "Save" button. The background of the page shows a list of search results with titles like "Heterogeneous 6G supported secure vehicular management system over cloud edge" and "A survey of 6G mobile communication technologies".

Find articles with these terms

6G AND computing

Advanced search

11,603 results

Set search alert

Save search alert

Name of search alert (required)

6G computing

设置通知

Email frequency

Weekly

note: This alert will be sent to you every week or month, depending on your chosen frequency.

Save

articles Export

access

Heterogeneous 6G supported secure vehicular management system over cloud edge

A survey of 6G mobile communication technologies

6/19/2024

ELSEVIER

2. 关注重要作者



ScienceDirect®

Journals & Books



Search

Author

[View PDF](#)[Download full issue](#)**materialstoday**

Volume 72, January–February 2024, Pages 235-254

[Outline](#)[Abstract](#)[Graphical abstract](#)[Introduction](#)[Thin solid-state electrolytes in solid-state lithi...](#)[Design and fabrication strategies for thin soli...](#)[Conclusions and perspectives](#)[Declaration of competing interest](#)[Acknowledgments](#)[Data availability](#)[References](#)[Show full outline ▾](#)**Figures (9)**

Research (mid blue)

Design of thin solid-state electrolyte films for safe and energy-dense batteries

Caoyu Wang^{a,1}, Cheng Wang^{a,1}, Mingnan Li^a, Shilin Zhang^a, Chaofen Zhang^b,Shulei Chou^c, Jianfeng Mao^a , Zaiping Guo^a ^a School of Chemical Engineering, The University of Adelaide, Adelaide, South Australia 5005, Australia^b Institutes of Physical Science and Information Technology, Leibniz Joint Research Center of Materials Sciences, Engineering Laboratory of High-Performance Waterborne Polymer Materials of Anhui Province, Anhui Graphene Engineering Laboratory, Key Laboratory of Structure and Functional Regulation of Hybrid Material (Ministry of Education), Anhui University, Hefei 230601, PR China^c Institute for Carbon Neutralization, College of Chemistry and Materials Engineering, Wenzhou University, Wenzhou 325035, China

Shulei Chou

[View in Scopus ↗](#)Institute for Carbon Neutralization,
College of Chemistry and Materials
Engineering, Wenzhou University,
Wenzhou 325035, ChinaMore documents by Shulei
Chou

Provided by Scopus

Stress Dissipation Driven by
Multi-Interface Built-In Electri...Angewandte Chemie - International Ed...
Li, J., ..., Chen, Y.Resolving the Origins of Superior
Cycling Performance of...Angewandte Chemie - International Ed...
Shao, R., ..., Zhang, Q.The Distance Between
Phosphate-Based Polyanionic...Advanced Materials, Volume 36, Issue 7...
Hao, Z., ..., Chou, S.

FEEDBACK

2. 关注重要作者



Scopus

Scopus 作者档案

[Search](#)
[Sources](#)
[SciVal ↗](#)

This author profile is generated by Scopus. [Learn more](#)

Chou, Shulei

学者基本信息

① Wenzhou University, Wenzhou, China

② 25030039100 ③

④ <https://orcid.org/0000-0003-1155-6082>

[View more](#)

33,960

Citations by 24,634 documents

461

Documents

99

h-index [View h-graph](#)

[View all metrics >](#)

[Set alert](#)

[Save to list](#)

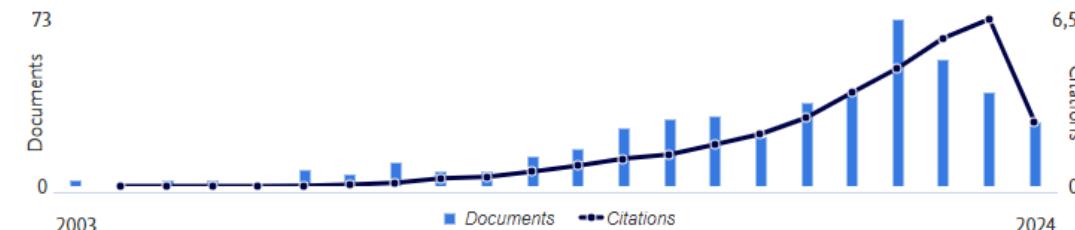
[Edit profile](#)

... More

主要研究方向

文献计量学信息

Document & citation trends



[Analyze author output](#)

[Citation overview](#)

Most contributed Topics 2018–2022 ①

Sodium-ion Batteries; Electrode; Ion Storage
90 documents

Lithium Sulfur Batteries; Polysulfides; Electrode
33 documents

Lithium-air Batteries; Electrocatalysts; Battery
18 documents

[View all Topics](#)

论文列表

461 Documents

Author Metrics

New

Cited by 24,634 documents

7 Preprints

1,169 Co-Authors

38 Topics

0 Awarded Grants

Beta

461 documents



3. 设置期刊通知提醒—及时获取最新科研进展

The screenshot shows the ScienceDirect website for the journal *materialstoday*. The top navigation bar includes the Elsevier logo, ScienceDirect logo, a search bar, and a user profile for Tingting Yu (t.yu@elsevier.com). The main content area displays the journal's cover image, title, and open access information. On the left, there are links for 'Articles & Issues' (highlighted with an orange box), 'About the journal', and 'RSS'. The right sidebar contains links for account management, including 'Manage alerts' (highlighted with an orange box) and 'Change password'. A large orange box highlights the 'Set up journal alerts' button in the bottom left corner of the main content area.

ScienceDirect®

Journals & Books

Tingting Yu TY

materialstoday

Supports open access

Latest issue

All issues

Articles in press

Special issues and article collections

Linked datasets ↗

Set up journal alerts

RSS

设置通知

Manage alerts

管理通知

www.sciencedirect.com

检索结果文献管理



ScienceDirect

Journals & Books



Register

Sign in

Find articles with these terms

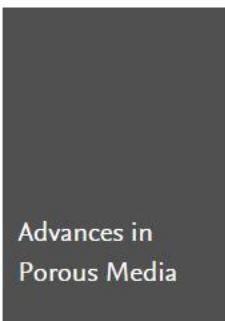
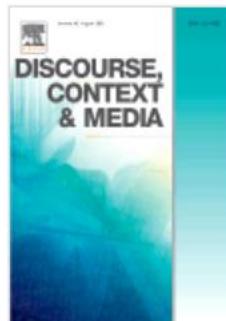
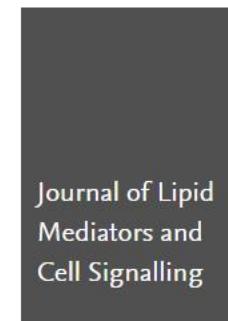
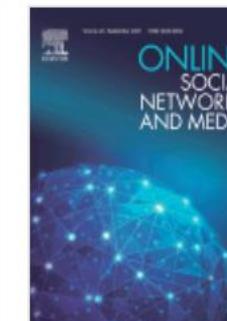
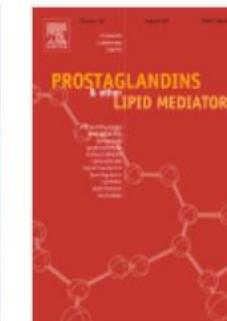
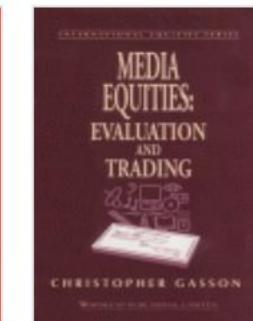
media



Advanced search

Suggested publications:

View all

Handbook of
Media
EconomicsAdvances in
Porous MediaDISCOURSE,
CONTEXT
& MEDIAJournal of
Financial
IntermediationJournal of Lipid
Mediators and
Cell SignallingJNIM
Journal of Nutrient & Inflammatory MetabolismONLINE
SOCIAL
NETWORKS
AND MEDIAPROSTAGLANDINS
LIPID MEDIATORSMEDIA
EQUITIES:
EVALUATION
AND
TRADING
CHRISTOPHER GASSON

1,883,732 results

 Download selected articles Export Review article Full text access

1 The public health community's use of social me

Export

- Save to RefWorks
- Export citation to RIS
- Export citation to BibTeX
- Export citation to text

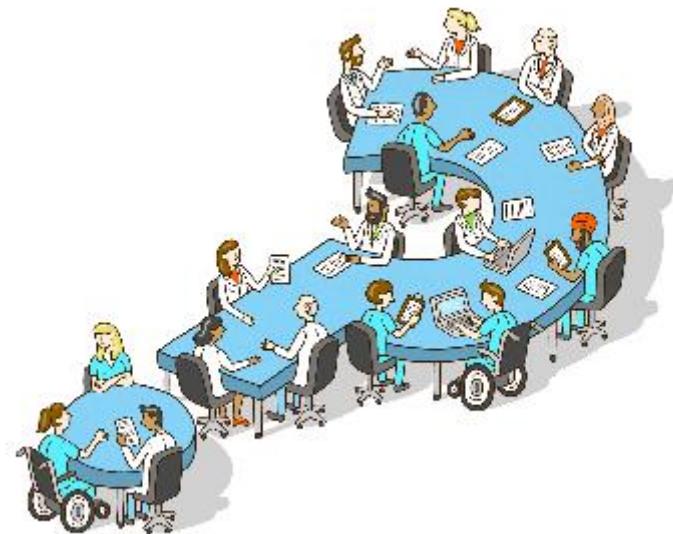
sorted by relevance | date

a scoping review and suggestions to ad

Feedback

小结三：追踪领域进展和同行动态

- 保存检索和设置文献通知
- 关注重要作者
- 设置期刊通知



选刊推荐Journal Finder

<https://journalfinder.elsevier.com/>

Paper title

Quantum turbulence simulations using the Gross–Pitaevskii equation: High-performance computing and new numerical benchmarks

Paper abstract

摘要

We present high-performance and high-accuracy numerical simulations of quantum turbulence modelled by the Gross–Pitaevskii equation for the time-evolution of the macroscopic wave function of the system. The hydrodynamic analogue of this model is a flow in which the viscosity is absent and all rotational flow is carried by quantized vortices with identical topological line-structure and circulation.

Don't have an abstract? ▾

Keywords

Quantum Computing

Simulation Algorithm

关键词

Maximum 5,000 characters ⓘ

Field of research

Physics and Astronomy



研究领域

Computer Science



Select field of research



+ Refine your search

Find journals >



题目

Refine the scope of your search to get more relevant journals

发表类型：
GOA/Subscriptio

An article can either be published gold open access or with Subscription. A publication fee is required when publishing gold OA, while subscription is free (an embargo period applies before authors can publish their manuscript to the public).

OA Journals that offer gold OA

S Journals with subscription

期刊影响力

Journal impact

CiteScore and Impact factor measure the number of times an average paper in a journal is cited. They are indicators of how relevant the articles published in a journal are.

CiteScore ⓘ

All journals



Impact factor ⓘ

All journals



审稿和发表周期

Review and publication time

Each journal needs some time to check your submission and review your work before publishing it. Values are based on average across submitted papers per journal.

Time to 1st decision ⓘ

All journals



Time to publication ⓘ

All journals



Find journals >

为您的论文快速找到“门当户对”的期刊！

ScienceDirect

选刊推荐Journal Finder

<https://journalfinder.elsevier.com/>

Showing 49 journals matching your paper

Sort by: Best match

Physics Letters, Section A: General, Atomic and Solid State Physics
ISSN: 0375-9601



Text match score
CiteScore 3.6 Impact Factor 2.278 Acceptance rate 22% Time to 1st decision 3 weeks Time to publication 5 weeks

Computer Physics Communications
ISSN: 0010-4655



Text match score
CiteScore 7.2 Impact Factor 3.627 Acceptance rate 38% Time to 1st decision 7 weeks Time to publication 10 weeks

Annals of Physics
ISSN: 0003-4916



Text match score
CiteScore 4.2 Impact Factor 2.083 Acceptance rate 22% Time to 1st decision 6 weeks Time to publication 4 weeks

Looks like this article has already been published:

帮助查重!

Quantum turbulence simulations using the Gross-Pitaevskii equation: High-performance computing and new numerical benchmarks
M. Kobayashi | P. Parnaudeau | F. Luddens | C. Lothodé | L. Danaila | M. Brachet | I. Danaila • January 2021

This article was published in
Computer Physics Communications

Publisher: Elsevier • ISSN: 0010-4655



CiteScore 7.2 Impact Factor 3.627 Acceptance rate 38% Time to 1st decision 7 weeks Time to publication 10 weeks

List price APC Embargo period 24 months Top readership countries CN, US, DE View historical data and other metrics on Journal Insights

Subject area Hardware and Architecture
Physics and Astronomy (all)

Recent articles Flavour Symmetry Embedded - GLoBES (FaSE-GLoBES) Accurately charge-conserving scheme of current assignment based on the current continuity integral equation for particle-in-cell simulations Unravelling cosmic velocity flows: a Helmholtz-Hodge decomposition algorithm for cosmological simulations

Journal scope Visit the <https://data.mendeley.com/journal/00104655?CPC> International Computer Program Library on Mendeley Data.

Computer Physics Communications publishes research papers and application software in the broad field of computational physics; current areas of particular interest are reflected by the research interests and expertise of the https://www.journals.elsevier.com/computer-physics-communications/editorial-board/CPC_Editorial_Board.

The focus of CPC is on contemporary computational methods and techniques and their implementation, the effectiveness of which will normally be evidenced by the author(s) within the context of a substantive problem in physics. Within this setting CPC publishes two types of paper.

1. Computer Programs in Physics (CPiP)

期刊比较工具 <https://www.sciencedirect.com/compare>

ScienceDirect®

Compare journals

Find journals by title to compare

Journal	Chemosphere	Science of the Total Environment	Ecotoxicology and Environmental Safety
Publication options	Supports open access	Supports open access	Open access
Impact	13.3 CiteScore	16.8 CiteScore	11.7 CiteScore
	8.8 Impact factor	9.8 Impact factor	6.8 Impact factor
Publishing speed ⓘ	6 days Time to first decision	6 days Time to first decision	11 days Time to first decision
	84 days Submission to acceptance	80 days Submission to acceptance	102 days Submission to acceptance
	4 days Acceptance to publication	5 days Acceptance to publication	6 days Acceptance to publication

ELS

爱思唯尔实用资源



如何写好文章？ 爱思唯尔/爱思唯尔科研出版服务公众号

论文越长就越好吗？教你如何用精练
语言打动审稿人

爱思唯尔Elsevier 爱思唯尔科研出版服务
2024-03-14 12:02 北京 0人听过

打开消息通知，为你的科研工作加满能
量~

在撰写研究论文时，字数并非越多越好。相反地，**言简意赅的句子更有助于提升文章的易读性**。将大量的信息分解成相对独立且简洁明了的段落、章节，读者就更能充分、透彻地理解文章中的复杂内容。今天，我们就总结了**4个有效提升表达精密度的重要方法**，希望能助力您的论文获得审稿人的青睐，从而提高发表成功率！一起来看看吧！



ELSEVIER

高质量论文精修必备：三个技巧助力高效拼写检查

原创 爱思唯尔Elsevier 爱思唯尔Elsevier
2024-03-18 17:32 北京 0人听过

将我们设置为**星标账号**，不错过最新学术资讯！

在提交论文前，仔细检查单词的拼写是一个必不可少的步骤，避免因拼写错误语义不明而影响发表几率。但有时，一些细枝末节的拼写错误不容易被发现，特别是对非英语母语的作者来说更是如此。本期文章，我们将分享**5个全方位检查拼写的技巧**，希望能帮助您有效提升检查效率，助力成功发表。一起来看看吧！

投稿需要检查什么？Checklist请收好！

原创 爱思唯尔Elsevier 爱思唯尔Elsevier
2024-02-08 17:30 北京 0人听过

将我们设置为**星标账号**，不错过最新学术资讯！

学术论文是研究者长期辛勤工作的成果体现。因此，在正式提交论文前需要审慎的检查，以确保最终提交的版本准确无误。而检查并非次数越多就越保险，更有效的方法是把握住一些关键点避免出错，从而高效地提升论文质量。

本期文章，我们总结了**论文提交前需要检查的关键点**。掌握这些关键点，有助于提升研究者的论文检查效率，从而提高论文质量和发表成功率。

如何令论文“引”人入胜？助你写出让审稿人眼前一亮的引言

原创 爱思唯尔Elsevier 爱思唯尔Elsevier
2024-03-04 17:31 北京 0人听过

将我们设置为**星标账号**，不错过最新学术资讯！

好的开始是成功的一半。作为学术论文的开篇，引言部分非常重要。优秀的引言可以简明扼要地介绍论文背景、快速激发读者的兴趣，并引导读者进行深入的阅读与思考，进而为论文带来更广泛的影响力。

本期，我们将分享**撰写引言的4个经典实用技巧以及示例**，帮助研究者写出让人眼前一亮的开篇，为打造高水平论文并提升发表几率迈出关键的一步。

在知识生产方面，爱思唯尔为中国学者提供优质的出版服务

论文写作与投稿

免费线上公开课程，覆盖英文学术出版入门、投稿信写作、跨学科论文写作、研究领域选择以及学术会议参与技巧等



Researcher Academy

Unlock your research potential

Navigate your research journey with Researcher Academy. Free e-learning modules developed by global experts. Career guidance and advice. To get unlimited access to all modules, sign in or register with your email address.

Start learning >

RESEARCH PREPARATION WRITING FOR RESEARCH PUBLICATION PROCESS NAVIGATING PEER REVIEW COMMUNICATING YOUR RESEARCH

Latest

- INCLUSION AND DIVERSITY FOR RESEARCHERS: Diversity, Equity and Inclusion at Cell Press Register Now
- FINDING THE RIGHT JOURNAL: Rejected manuscripts: Next steps and finding the right fit
- FUNDAMENTALS OF MANUSCRIPT PREPARATION: Thinking numbers in pictures: Data visualization for research articles

<https://researcheracademy.elsevier.com/>

语言润色

爱思唯尔拥有覆盖多学科的专业语言编辑团队，逐句校对论文内容，全面提升行文质量，保证语言准确性，帮助作者提升论文接收率



爱思唯尔语言服务 让学术写作更简单

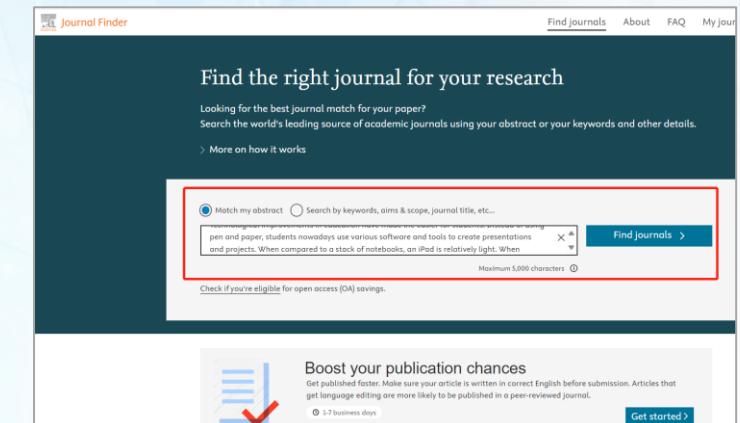
语言润色 翻译服务 LaTeX格式润色 博士论文润色 团购服务

140余年以来深耕学术出版领域，爱思唯尔始终致力于服务每一位研究者，我们以质优标准把关，为学术写作保驾护航。覆盖多学科的各类润色服务满足不同需求，让学者专注学术本身，无后顾之忧。

标准	加急	高级
逐句校对论文内容，全面提升行文质量，保证语言准确性。	时间紧急？我们在保质保量的同时极速响应	在语法正确的基础让语言更加流畅生动，并可无限次多轮润色。
<input checked="" type="radio"/> 快速交付	<input type="radio"/> 快速交付	<input type="radio"/> 6个月内无限次润色
0-4工作日	0-14工作日	0-2-3工作日
价格计算器	价格计算器	价格计算器
字数	字数	字数

投稿期刊选择 Journal Finder

输入待发表文章的摘要或核心要点后，
Journal Finder会详细列出所推荐期刊的
名称、期刊影响力指标、接收率、初审意
见返回时间、出版时间等。



Find the right journal for your research

Looking for the best journal match for your paper? Search the world's leading source of academic journals using your abstract or your keywords and other details.

> More on how it works

Match my abstract Search by keywords, aims & scope, journal title, etc.

pen and paper, students nowadays use various software and tools to create presentations and projects. When compared to a stack of notebooks, an iPad is relatively light. When

Check if you're eligible for open access (OA) savings.

Maximum 5,000 characters

Boost your publication chances

Get published faster. Make sure your article is written in correct English before submission. Articles that get language editing are more likely to be published in a peer-reviewed journal.

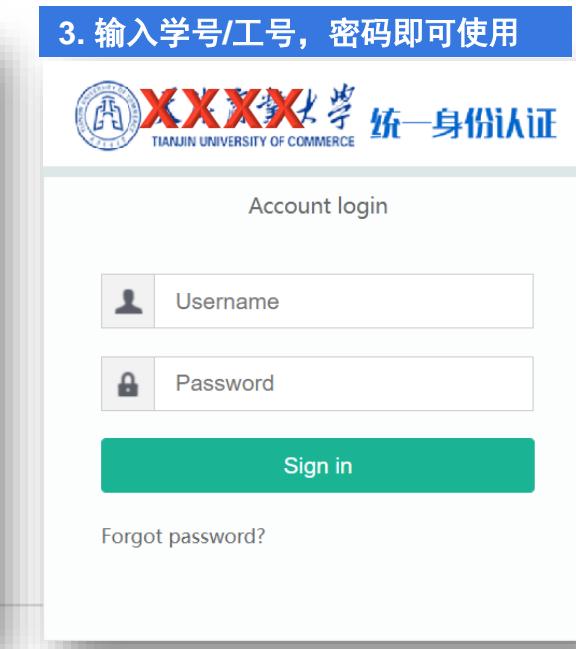
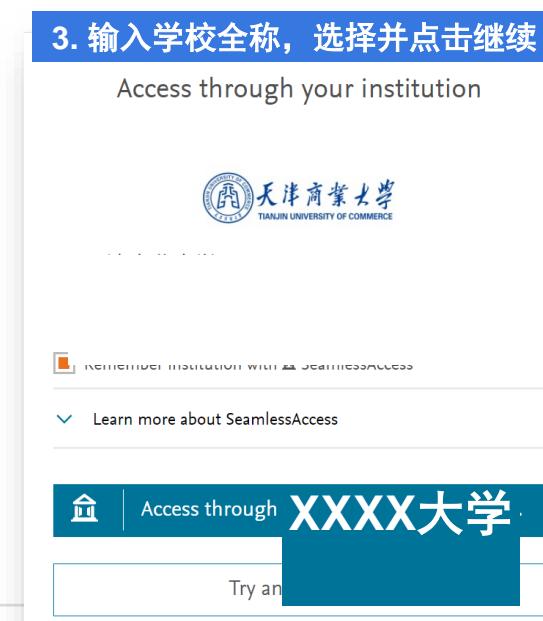
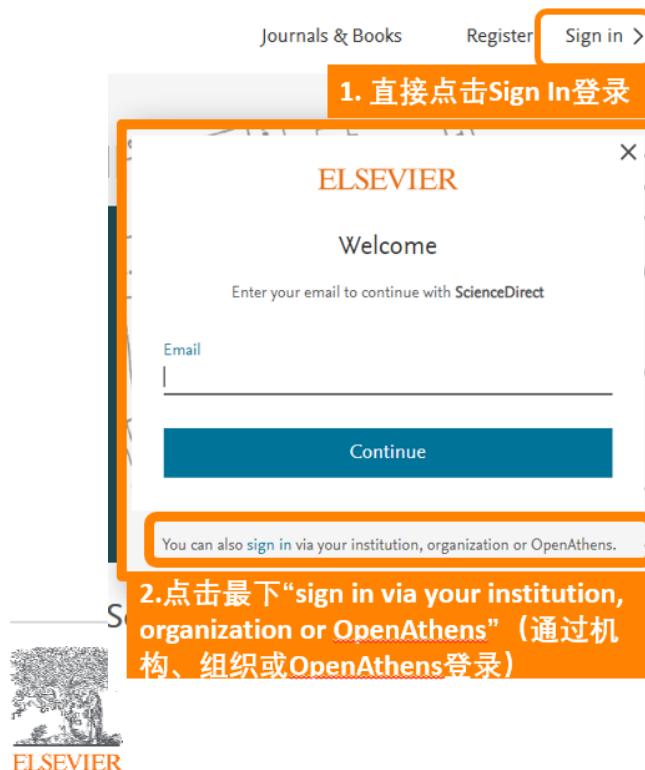
1-7 business days

Get started >

移动互联网时代下的科研服务



<https://www.sciencedirect.com/>



爱思唯尔-思唯学苑 <https://eci.elsevier.cn/resource/default.html>

思唯学苑 科研
ELSEVIER

首页 | 科研产品研学中心 | 图书馆新知 | 科研公开课 | 人才服务 | 学科建设
机构合作 | 搜索

一站式科研解决方案

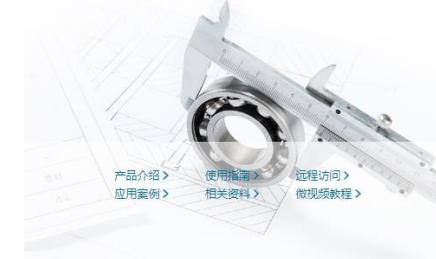
ScienceDirect
千万学者使用的全学科期刊和图书数据库

产品介绍 > 使用指南 > 读者社区 >
爱思书社 > 科研公开课 > 相关资料 >



Engineering Village
具有百年历史的工程领域数据库

产品介绍 > 应用案例 > 使用指南 > 相关资料 >
远程访问 > 微视频教程 >



Scopus
覆盖广泛、精确的科研引文索引数据平台

产品介绍 > 使用指南 > 远程访问 >
应用案例 > Scopus云课堂 > 相关资料 >



SciVal
“数”析全球科研热点，资金、人才先机尽握

产品介绍 > 使用指南 > 远程访问 >
系列讲座 > 应用案例 > 相关资料 >



Reaxys
化学界GPS导航，秒速解答化学问题

产品介绍 > 使用指南 > 相关资料 >
微视频教程 > 应用案例 > 数据库入口 >



Embase
全球诸多医药监管机构认可，综合生物医学研究数据库

产品介绍 > 使用指南 > 相关资料 >
数据库入口 >





数据库产品使用指南合集（微信）

产品	微信推文	视频指南 & 产品使用资源
ScienceDirect	ScienceDirect远程访问指南	视频: ScienceDirect 视频教程
	如何访问ScienceDirect可以获取到最佳用户体验?	产品使用资源:
	ScienceDirect被防火墙屏蔽? 白名单添加指南请收好	<ul style="list-style-type: none"> 产品使用手册: ScienceDirect 使用指南 产品资源中心: ScienceDirect 资料中心 产品支持中心: ScienceDirect 支持中心
	ScienceDirect出现IP地址被限制的报错信息如何解决?	
Scopus	Scopus远程访问指南	视频:
	爱思唯尔正式发布Scopus AI, 助力科研全流程增效提速	<ul style="list-style-type: none"> Scopus 产品使用视频合集
	如何访问Scopus可以获取到最佳用户体验?	产品使用资源:
	Scopus被防火墙屏蔽? 白名单添加指南请收好	<ul style="list-style-type: none"> 产品使用手册: Scopus 快速参考指南
	为什么访问Scopus时会看到Scopus Preview(Scopus预览)?	<ul style="list-style-type: none"> 产品资源中心: Scopus 资料中心
	Scopus搜索功能全攻略, 科研工作者捕捉全球关键性科研发布的好帮手!	<ul style="list-style-type: none"> 产品支持中心: Scopus 支持中心
	准确的Scopus学者档案给科研简历加分: 教你完善作者信息	
	Scopus个人账号关联的作者信息有误怎么办?	
SciVal		视频: SciVal 产品使用视频合集
		产品使用资源:
		<ul style="list-style-type: none"> 产品使用手册: SciVal快速使用指南 产品资源中心: SciVal 资料中心
Engineering Village	Engineering Village远程访问指南	视频: Engineering Village 视频教程
	如何访问Engineering Village可以获取到最佳用户体验?	产品使用资源:
	Engineering Village被防火墙屏蔽? 白名单添加指南请收好	<ul style="list-style-type: none"> 产品使用手册: Engineering Village 使用指南
	用Engineering Research Profile查看学校或机构于工程领域的核心指标	<ul style="list-style-type: none"> 产品资源中心: Engineering Village 资料中心 产品支持中心: Engineering Village 支持中心
Reaxys	Reaxys远程访问指南	视频: Reaxys 产品使用视频合集
	如何访问Reaxys可以获取到最佳用户体验?	产品使用资源:
Embase		<ul style="list-style-type: none"> 产品使用手册: Reaxys 快速参考指南 产品资料中心: Reaxys 资料中心
	Embase远程访问指南	视频: Embase使用视频
		产品使用资源:
		<ul style="list-style-type: none"> 产品使用指南: Embase快速参考指南 产品资源中心: Embase 资料中心

https://mp.weixin.qq.com/s?__biz=MzA5MDExMzg5Mw==&mid=2247507004&idx=2&sn=5f7aa0b2a735a822156c288143ba6fa3&chksm=90120e36a7658720fc5a5dcc27db5e56a58fad504bfd49351c3c40980a80afe00d54e886d4a0&mpshare=1&scene=1&srcid=0201HOijDdPuki67lfRZYw4w&sharer_shareinfo=3000e7616d467f661788add74ca33cf3&sharer_shareinfo_first=5555a43bc51aaead9a737dc45a2b4d90#rd



帮助

➤ 访问和使用问题请咨询爱思唯尔中国客户支持团队

(工作日9:00-12:00, 13:00-18:00)

- 邮箱: support.china@elsevier.com ,
- 热线电话: 400-842-6973
- 微信在线交流入口:

https://mp.weixin.qq.com/s/L07J316c4X_lhp-c8i5GCA

➤ 修改和维护Scopus学者档案

<https://mp.weixin.qq.com/s/CPaPG1a2zwqIEEMY0xuFjQ>