WILEY

ENABLING DISCOVERY | POWERING EDUCATION | SHAPING WORKFORCES

探寻Wiley优质资源
—从检索到期刊论文投稿

朱苗 Wiley中国产品与解决方案顾问

2023.05.23

Wiley 中国·市场部

以下内容仅代表培训师个人观点，与Wiley公司无关。

免责声明 Disclaimer

本次培训讲师是约翰威立商务服务（北京）有限公司全职员工。
We are full-time employees of Wiley company.

下列幻灯片陈述的观点和意见，仅作为演讲者个人看法，不代表会议主办方，且与演讲者所属单位无关。
The views and opinions expressed in the following PowerPoint slides are those of the individual presenter and should not be attributed to the event organizer or presenter's employer.

本演讲是以培训和经验分享为目的，本人与会议组织方不存在利益关系。
This presentation serves the purpose of educational and best practice sharing, I don't have conflict of interest with the event organizer.

WILEY

Wiley简介及亮点
期刊推荐

关于Wiley

创始于 **1807** 年

超过 **900**万篇
文章

超过 **7.8** 亿次
下载

广泛的分布

400 万
学协会成员

140+
国家

25,000+
家机构

强大的合作伙伴

850+
学协会

500+
诺贝尔奖得主

650,000
作者

Wiley期刊影响力持续增长

近**1,700** 种期刊

1,526 种期刊被收录在2021JCR中

816
种期刊的影响因子均有所提高

在JCR的253种学科分类中，
Wiley期刊涵盖了其中的 **230** 种

191
种期刊在学科分类中排名前十

11,958,618
次引用Wiley的文章

750+ 全球学协会合作伙伴

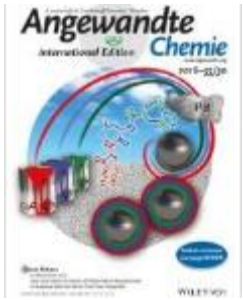
*JCR is released annually and the 2021 report was published in June 2022，includes SCIE, SSCI , AHCI, ESCI

自然科学

- 75+家学协会合作伙伴
- 290+种期刊被2021JCR收录
- 25+种期刊在2021JCR所属学科内排名前10
- 2种期刊在2021JCR学科分类中排名第一

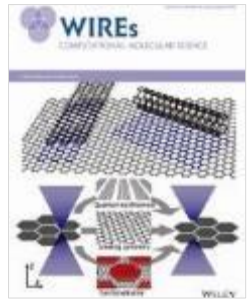
期刊推荐

化学



Angewandte Chemie International Edition

2021 JCR Ranking: 2/179
Chemistry, Multidisciplinary Category



Wiley Interdisciplinary Reviews – Computational Molecular Science

2021 JCR Ranking: 21/180 (Chemistry, Multidisciplinary)
2/57 (Mathematical & Computational Biology) Category

Mass Spectrometry Reviews

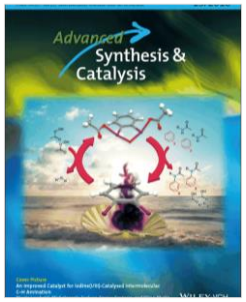
2021 JCR Ranking: 3/43
Spectroscopy Category

Medicinal Research Reviews

2021 JCR Ranking: 2/63 (Chemistry, Medicinal) 11/279 (Pharmacology & Pharmacy) Category

European Journal of Organic Chemistry

2021 JCR Ranking: 19/57
Chemistry,Organic

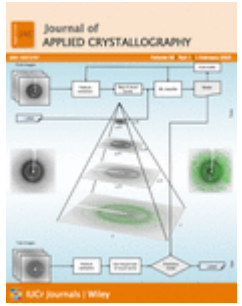


Advanced Synthesis & Catalysis

2021 JCR Ranking: 13/72 (Chemistry, Applied) 6/57 (Chemistry, Organic) Category

Chemistry – A European Journal

2021 JCR Ranking: 64/180
Chemistry, Multidisciplinary Category

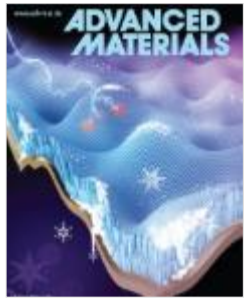


Journal Of Applied Crystallography

2021 JCR Ranking: 3/26
Crystallography
66/179 Chemistry, Multidisciplinary

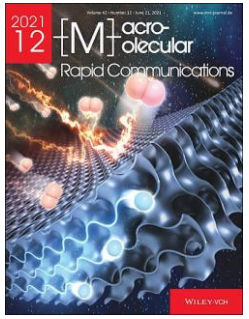
期刊推荐

高分子和材料科学



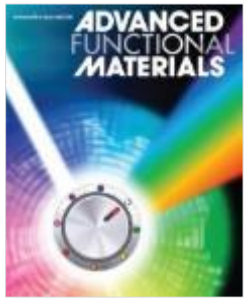
Advanced Materials

2021 JCR Ranking: 8/346
Materials Science, Multidisciplinary Category, 3/109 Nanoscience & Nanotechnology Category



Macromolecular Rapid Communications

2021 JCR Ranking: 17/90
Polymer Science Category



Advanced Functional Materials

2021 JCR Ranking: 17/346
Materials Science, Multidisciplinary Category, 8/109 Nanoscience & Nanotechnology Category

Small

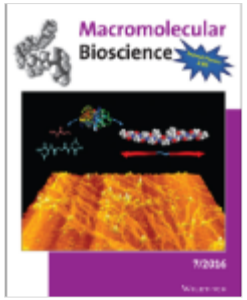
2021 JCR Ranking: 39/346
Materials Science, Multidisciplinary Category, 20/109 Nanoscience & Nanotechnology Category

Advanced Healthcare Materials

2021 JCR Ranking: 4/44
Materials Science, Biomaterials Category , 21/109 Nanoscience & Nanotechnology Category

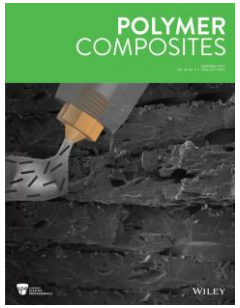
Journal of the American Ceramic Society

2021 JCR Ranking: 5/29
Materials Science, Ceramics Category



Macromolecular Bioscience

2021 JCR Ranking: 11/90
Polymer Science Category



Polymer Composites

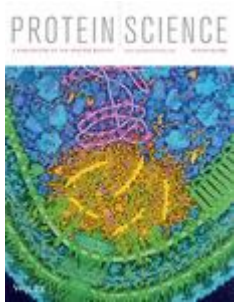
2021 JCR Ranking: 33/90
Polymer Science Category
12/28 Materials Science, Composites

生命科学

- 350+种期刊
- 140+学会协会合作伙伴
- 330+期刊被2021 JCR收录
- 3种期刊在2021 JCR所属学科分类中排名前第一

期刊推荐

细胞分子生物学

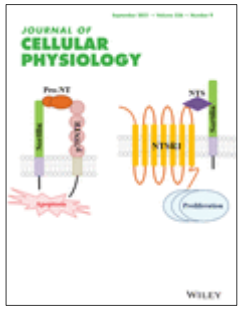


Protein Science

2021 JCR Ranking:
57/296 Biochemistry & Molecular Biology

Traffic

2021 JCR Ranking:
68/194 Cell Biology



Journal of Cellular Physiology

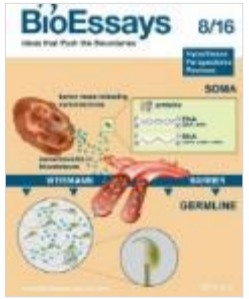
2021 JCR Ranking:
10/81 Physiology Category

FEBS Journal

2021 JCR Ranking:
88/298 Molecular Biology Category

Cytometry Part A

2021 JCR Ranking:
21/79 Biochemical Research Methods
98/194 Cell Biology

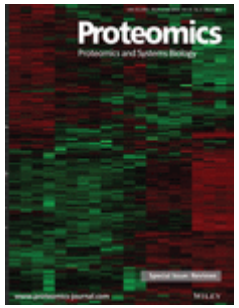


BioEssays

2021 JCR Ranking:
127/296
Biochemistry & Biology Category

BioFactors

2021 JCR Ranking: 64/296
Biochemistry & Molecular Biology Category



Proteomics

2021 JCR Ranking:
15/79 Biochemical Research Methods
96/296 Biochemistry & Molecular Biology

期刊推荐

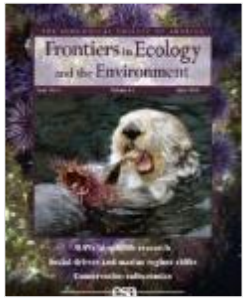
生态学、保护学与进化学

Global Change Biology

2021 JCR Ranking:
1.65 Biodiversity Conservation
5/173 Ecology

Ecology Letters

2021 JCR Ranking:
6/174 Ecology

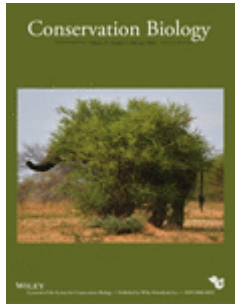


Frontiers in Ecology and the Environment

2021 JCR Ranking:
4/173 Ecology

Molecular Ecology Resources

2021 JCR Ranking:
9/173 Ecology
6/51 Evolutionary Biology
43/296 Biochemistry & Molecular Biology



Conservation Biology

2021 JCR Ranking:
3/65 Biodiversity Conservation
12/173 Ecology
44/279 Ecology

Global Ecology and Biogeography

2021 JCR Ranking:
16/173 Ecolog
3/48 Geography, Physical

Journal of Applied Ecology

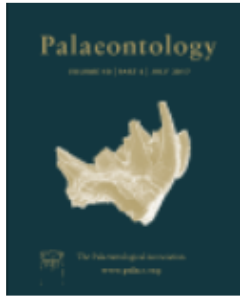
2021 JCR Ranking:
17/173 Ecology
6/65 Biodiversity Conservation

Molecular Ecology

2021 JCR Ranking:
7/52 Evolutionary Biology
19/174 Ecology

期刊推荐

地球、空间与环境科学



Palaeontology

2021 JCR Ranking:
3/53 Paleontology

Wires Climate Change

2021 JCR Ranking:
3/94 Meteorology & Atmospheric Sciences
8/127 Environmental Studies

Limnology And Oceanography

2021 JCR Ranking:
3/21 Limnology
4/66 Oceanography

Environmental Toxicology & Chemistry

2021 JCR Ranking:
29/94 Toxicology
117/279 Environmental Sciences

Quarterly Journal of the Royal Meteorological Society

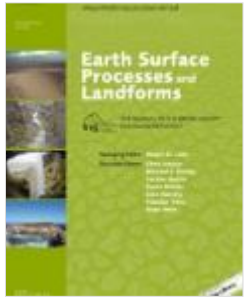
2021 JCR Ranking:
11/94 Meteorology & Atmospheric Sciences

Journal of Metamorphic Geology

2021 JCR Ranking:
2/47 Geology

Land Degradation And Development

2021 JCR Ranking:
12/39 Soil Science
112/279 Environmental Sciences



Earth Surface Processes and Landforms

2021 JCR Ranking:
20/48 Geography, Physical

WILEY

基于Wiley Online Library的高效文献调研及研究追踪

如何访问Wiley Online Library

校园IP覆盖范围

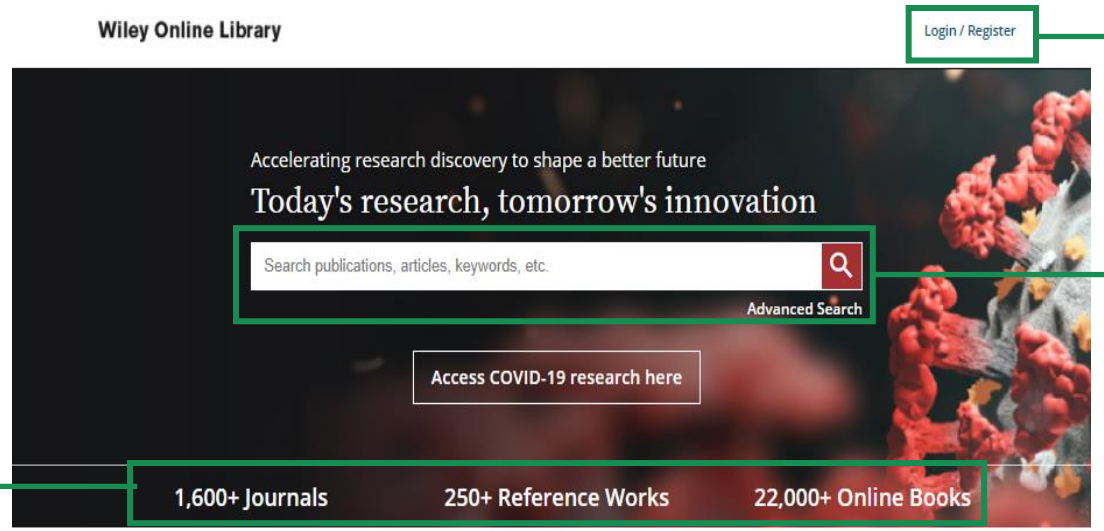
方法1：图书馆-数据库-Wiley 期刊数据库

方法2：网址 onlinelibrary.wiley.com

校外访问

本校支持的远程访问方式

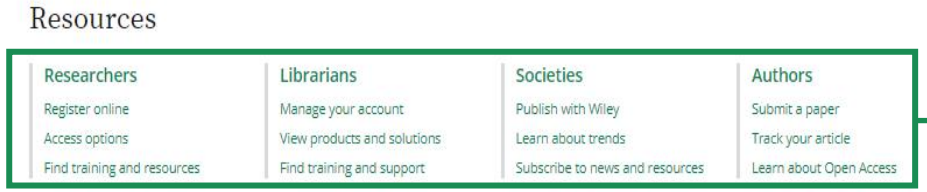
Wiley Online Library平台界面清晰，便捷查询所需内容



账户管理

一般检索与高级检索入口

按照出版物类型（期刊，参考工具书及电子图书）进行浏览



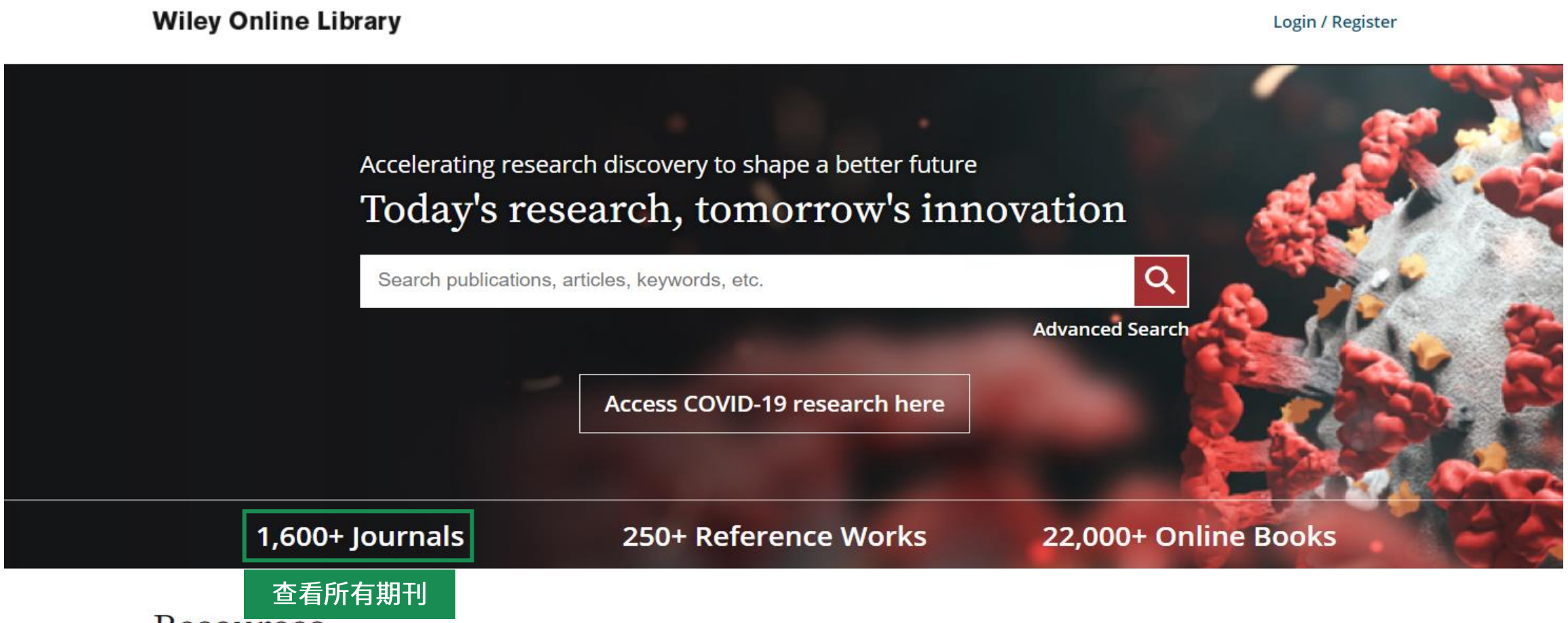
不同用户资源（研究人员，图书馆员，学协会及作者）

按照不同学科浏览相关内容（最全的多学科在线资源平台之一，包含17个学科大类，126个子学科）

WILEY

https://onlinelibrary.wiley.com/

资源发现与利用


Wiley Online Library
Login / Register
Accelerating research discovery to shape a better future
Today's research, tomorrow's innovation
Search publications, articles, keywords, etc.
Advanced Search
Access COVID-19 research here
1,600+ Journals
250+ Reference Works
22,000+ Online Books
查看所有期刊
Resources
Researchers
Register online
Access options
Find training and resources
Librarians
Manage your account
View products and solutions
Find training and support
Societies
Publish with Wiley
Learn about trends
Subscribe to news and resources
Authors
Submit a paper
Track your article
Learn about Open Access

查看期刊

Wiley Online Library | WILEY

Search

Publications

1-20 of 2,756 publications

Applied Filters Clear all

Journals ×

Filters

Alphanumeric

0-9 A B C D E

F G H I J K L

M N O P Q R S

T U V W X Y Z

Subjects

ACCOUNTING 35

AGRICULTURE 112

ANTHROPOLOGY 95

Journal Full Access

AAHE-ERIC/Higher Education Research Report

Currently known as:

ASHE Higher Education Report Full Access

Volume 3, 1974 - Volume 43, 2017

Journal Full Access

Abacus

Volume 1, 1965 - Volume 58, 2022

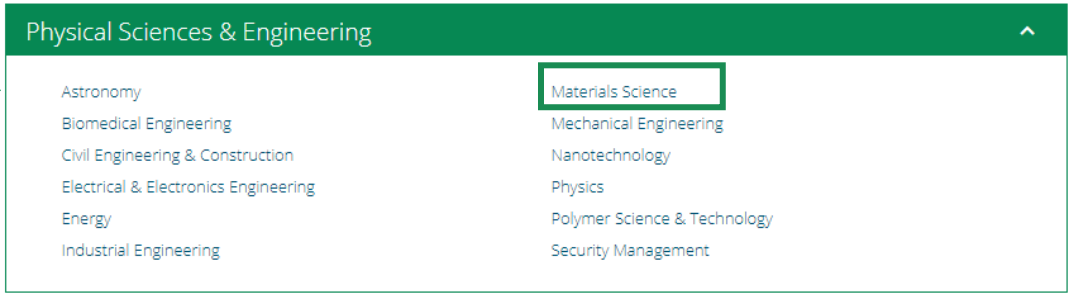
Journal Full Access

About Campus

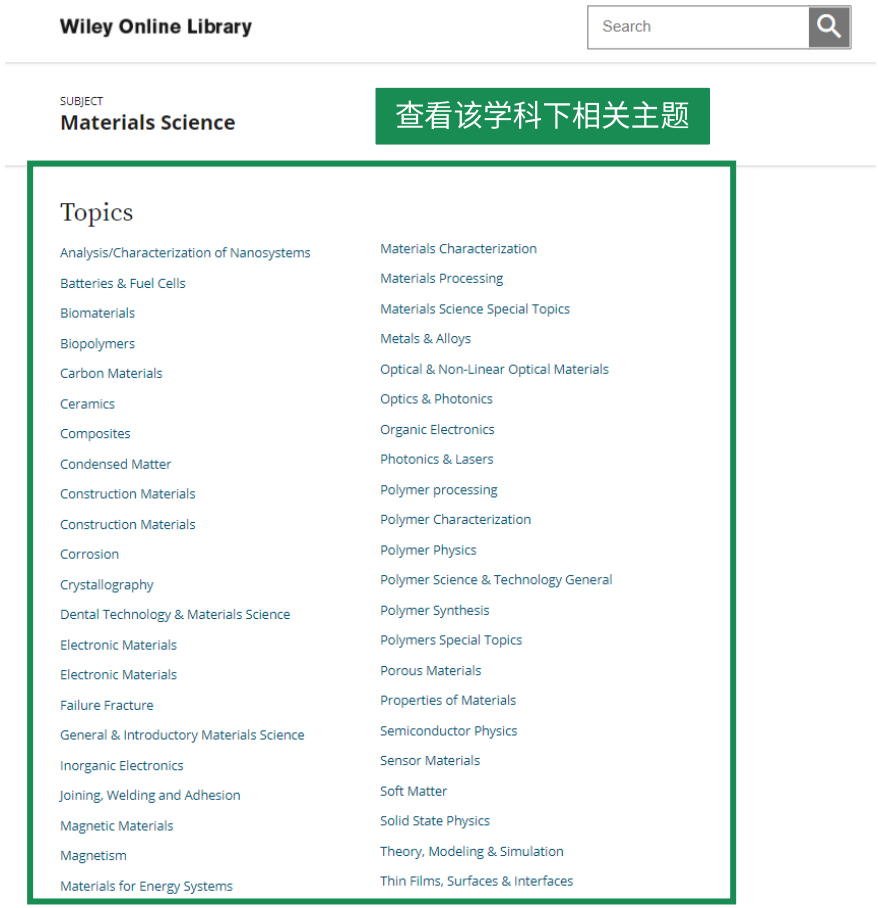
Volume 1, 1996 - Volume 22, 2018

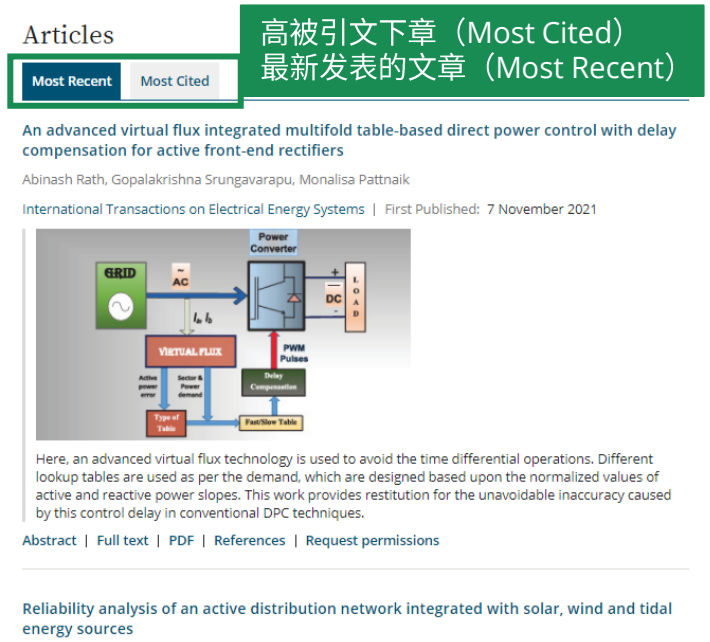
按学科查找资源

按照不同学科浏览相关内容（最全的多学科在线资源平台之一，包含17个学科大类，126个子学科）

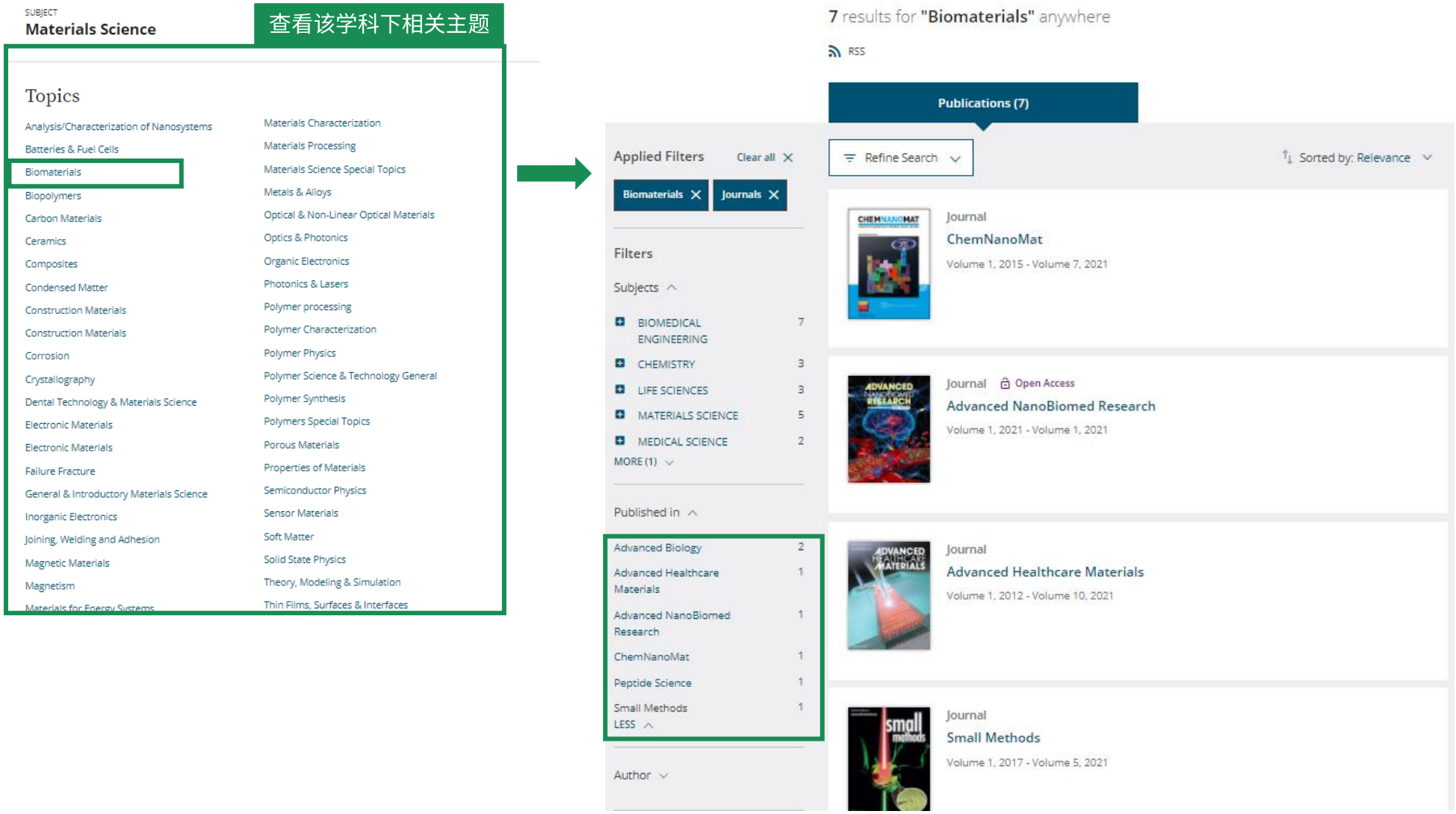


按照学科了解高影响力及最新研究进展情况

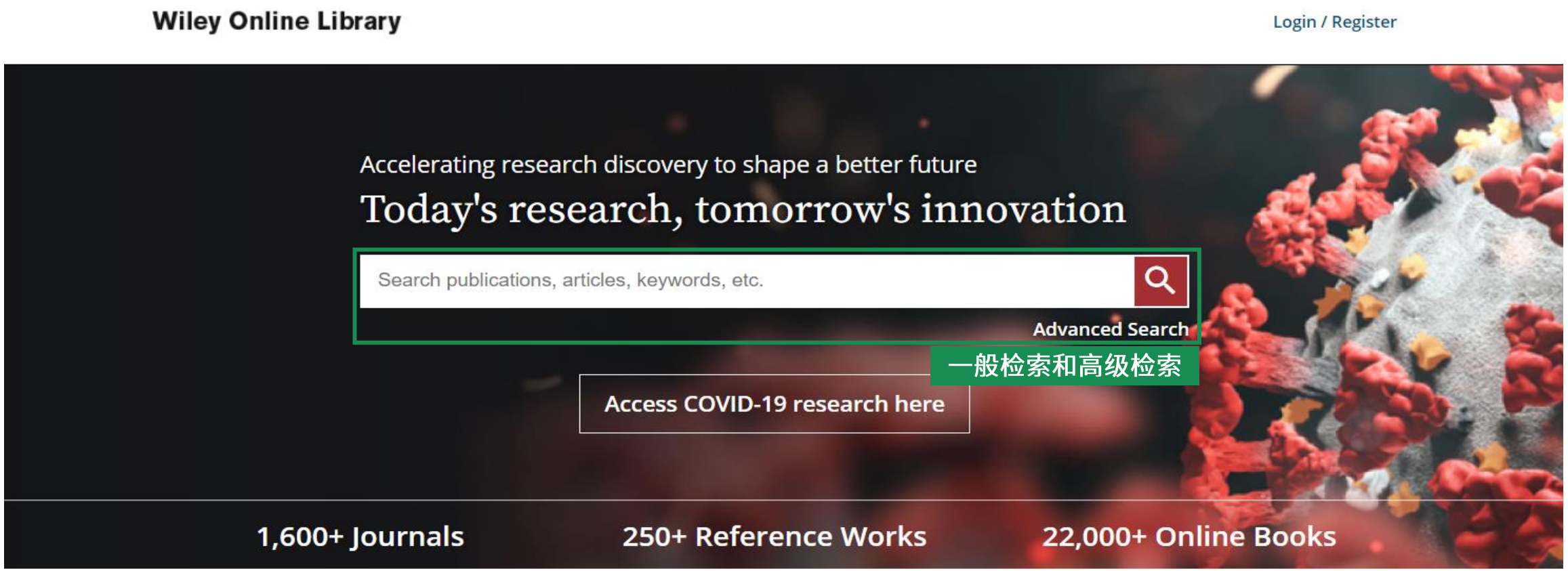




按照学科查看出版物


SUBJECT
Materials Science
查看该学科下相关主题
Topics
Analysis/Characterization of Nanosystems
Batteries & Fuel Cells
Biomaterials
Biopolymers
Carbon Materials
Ceramics
Composites
Condensed Matter
Construction Materials
Construction Materials
Corrosion
Crystallography
Dental Technology & Materials Science
Electronic Materials
Electronic Materials
Failure Fracture
General & Introductory Materials Science
Inorganic Electronics
Joining, Welding and Adhesion
Magnetic Materials
Magnetism
Materials for Energy Systems
Materials Characterization
Materials Processing
Materials Science Special Topics
Metals & Alloys
Optical & Non-Linear Optical Materials
Optics & Photonics
Organic Electronics
Photonics & Lasers
Polymer processing
Polymer Characterization
Polymer Physics
Polymer Science & Technology General
Polymer Synthesis
Polymers Special Topics
Porous Materials
Properties of Materials
Semiconductor Physics
Sensor Materials
Soft Matter
Solid State Physics
Theory, Modeling & Simulation
Thin Films, Surfaces & Interfaces
7 results for "Biomaterials" anywhere
RSS
Publications (7)
Applied Filters
Clear all
Biomaterials
Journals
Refine Search
Sorted by: Relevance
Filters
Subjects
BIOMEDICAL ENGINEERING 7
CHEMISTRY 3
LIFE SCIENCES 3
MATERIALS SCIENCE 5
MEDICAL SCIENCE 2
MORE (1)
Published in
Advanced Biology 2
Advanced Healthcare Materials 1
Advanced NanoBiomed Research 1
ChemNanoMat 1
Peptide Science 1
Small Methods 1
LESS
Author
Journal
ChemNanoMat
Volume 1, 2015 - Volume 7, 2021
Journal
Open Access
Advanced NanoBiomed Research
Volume 1, 2021 - Volume 1, 2021
Journal
Advanced Healthcare Materials
Volume 1, 2012 - Volume 10, 2021
Journal
Small Methods
Volume 1, 2017 - Volume 5, 2021

利用检索功能查找所需内容



Resources

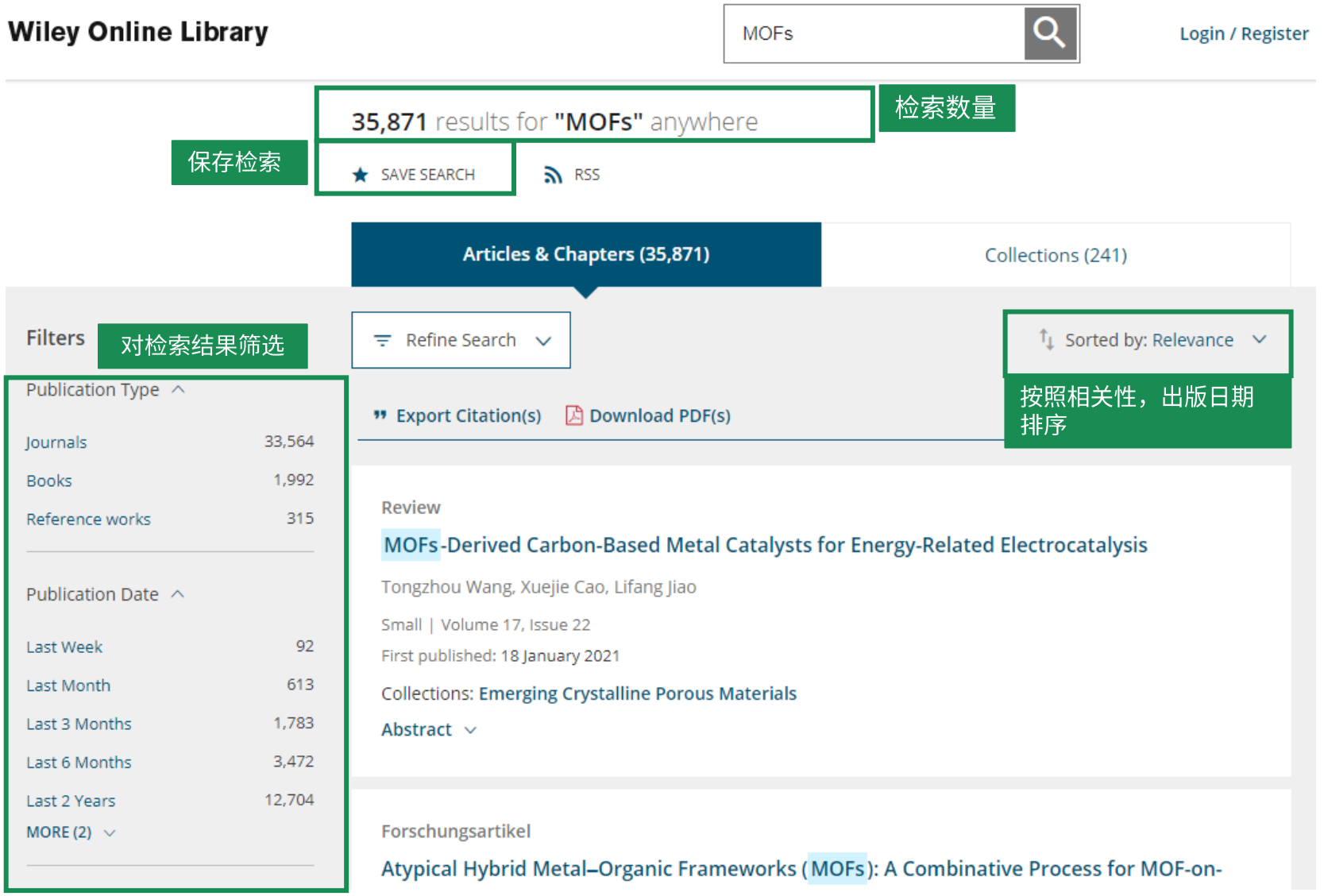
Researchers
- Register online
- Access options
- Find training and resources

Librarians
- Manage your account
- View products and solutions
- Find training and support

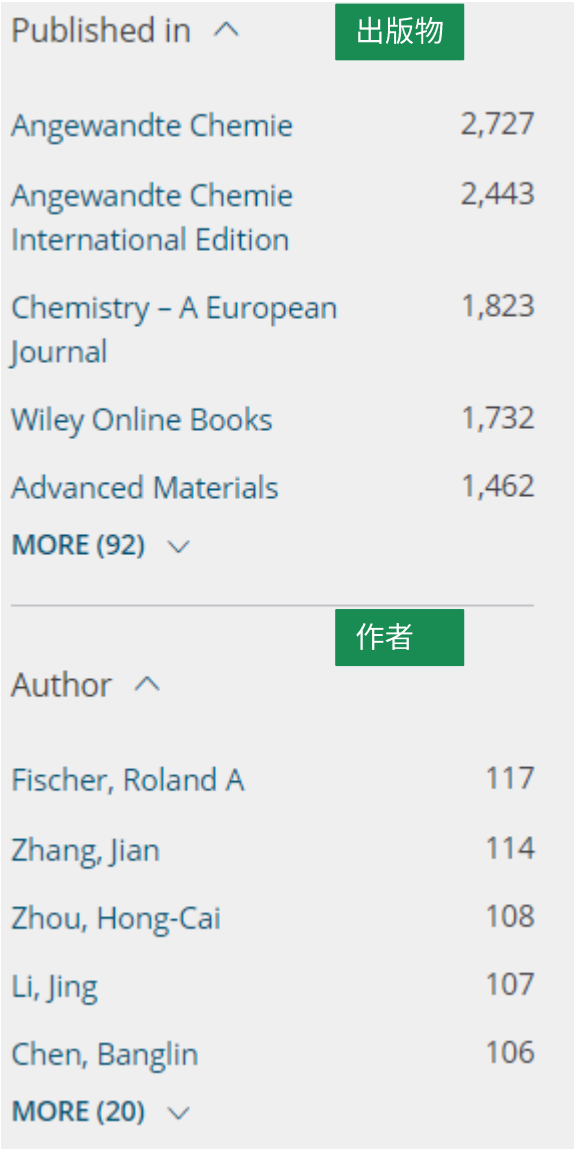
Societies
- Publish with Wiley
- Learn about trends
- Subscribe to news and resources

Authors
- Submit a paper
- Track your article
- Learn about Open Access

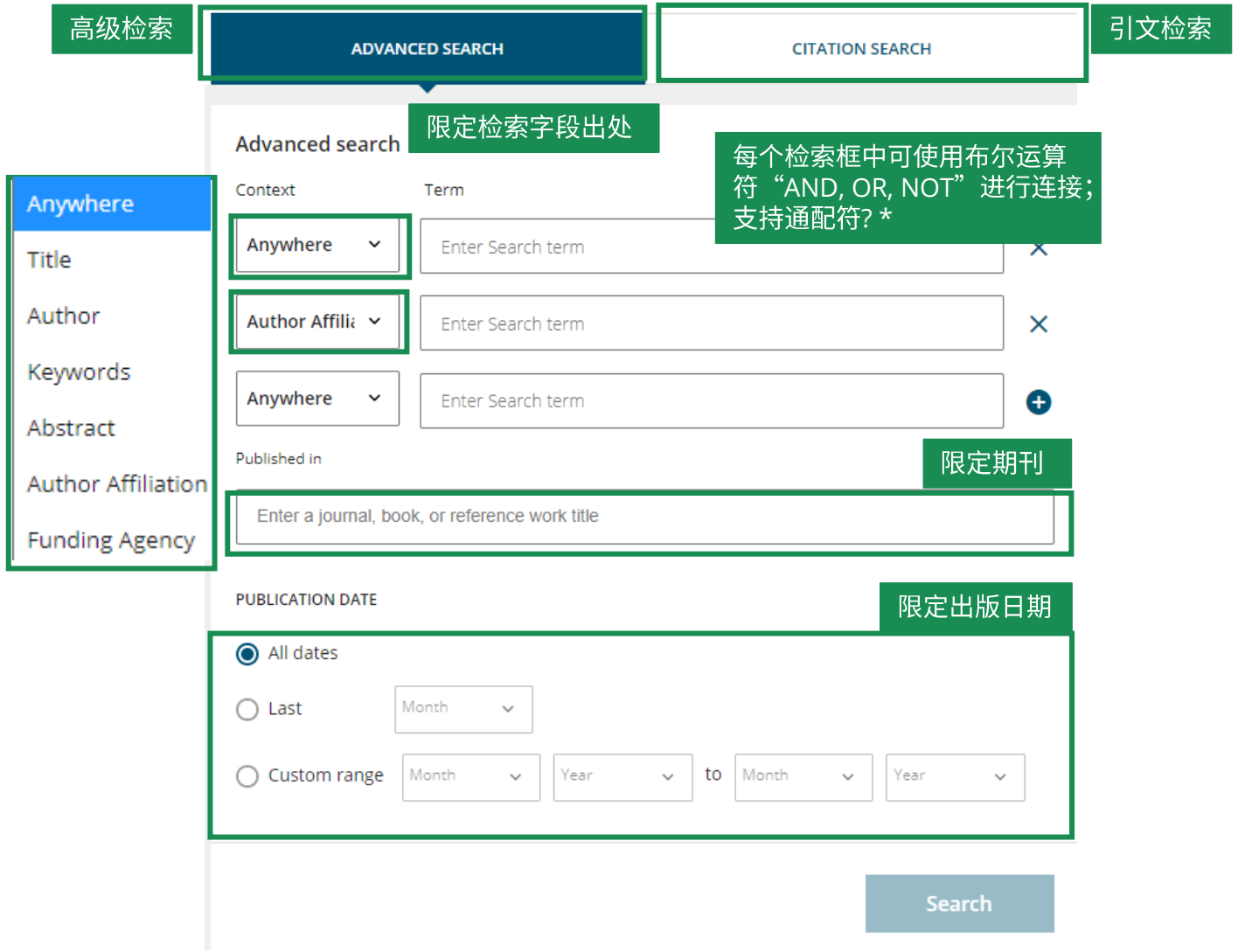
一般检索—按条件筛选检索结果



一般检索—按条件筛选检索结果



高级检索—按条件筛选检索结果



Search Tips 检索技巧

You can use the Boolean operators AND (also + or &), OR and NOT (also -) within search fields. These operators must be entered in UPPERCASE to work.

If more than one term is entered, and no operators are specified, terms are searched using AND. To search for a phrase, put the terms in quotes. For example, *spinal cord* searches spinal AND cord while *"spinal cord"* finds this exact phrase.

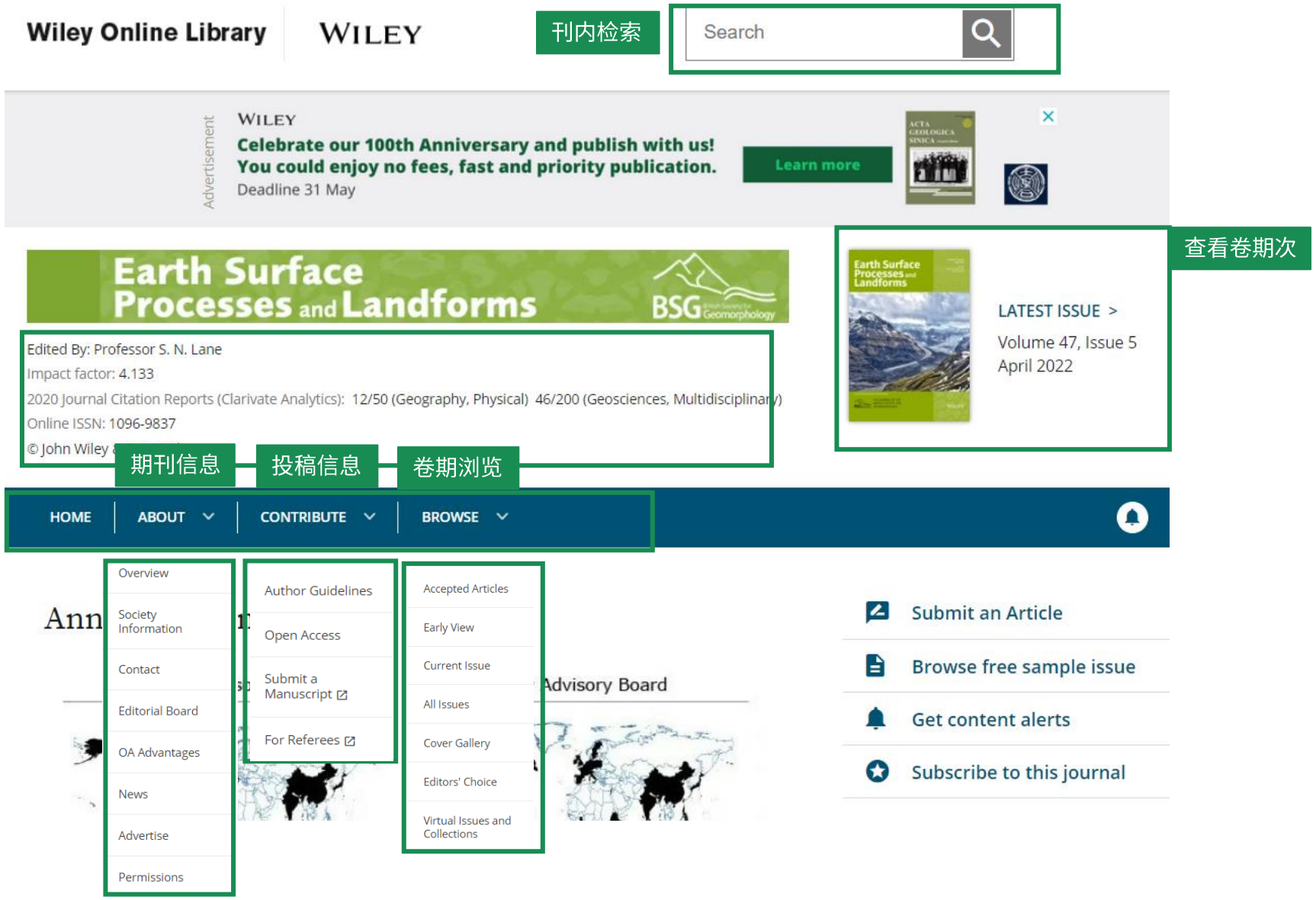
Wildcards

Use a question mark (?) in a search term to represent a single character (*wom?n* finds women or woman). Use an asterisk (*) to represent zero or more characters. For example, *plant** finds all words with that root (plant, plants, & planting) while *an*mia* finds variants with one or more letters (anemia & anaemia). Wildcards CANNOT be used at the start of a search term (*tension) or when searching for phrases in quotes ("tobacco smok*").

Author Search

Author names may appear with full first names or just initials. Place author names in quotes to find a specific name and its variants. For example, "John Smith" finds articles by John Smith, John K Smith and John Colby-Smith while "J Smith" finds articles by J Smith, JR Smith, John Smith and Julie Smith.

期刊页面—刊内资源检索


Wiley Online Library
WILEY
刊内检索
Search
Advertisement
WILEY
Celebrate our 100th Anniversary and publish with us!
You could enjoy no fees, fast and priority publication.
Deadline 31 May
Learn more
Earth Surface Processes and Landforms
BSG
Edited By: Professor S. N. Lane
Impact factor: 4.133
2020 Journal Citation Reports (Clarivate Analytics): 12/50 (Geography, Physical) 46/200 (Geosciences, Multidisciplinary)
Online ISSN: 1096-9837
© John Wiley
查看卷期次
LATEST ISSUE >
Volume 47, Issue 5
April 2022
期刊信息
投稿信息
卷期浏览
HOME
ABOUT
CONTRIBUTE
BROWSE
Overview
Society Information
Contact
Editorial Board
OA Advantages
News
Advertise
Permissions
Author Guidelines
Open Access
Submit a Manuscript
For Referees
Accepted Articles
Early View
Current Issue
All Issues
Cover Gallery
Editors' Choice
Virtual Issues and Collections
Advisory Board
Submit an Article
Browse free sample issue
Get content alerts
Subscribe to this journal

文章HTML页面—查看文章图表与信息

Earth Surface Processes and Landforms
BSG British Society for Geomorphology

Research Article | Full Access

An automated procedure to calculate the morphological parameters of superimposed rhythmic bedforms

Li Wang, Qian Yu, Yongzhan Zhang, Burghard W. Flemming, Yunwei Wang, Shu Gao

First published: 24 August 2020 | https://doi.org/10.1002/esp.4983 | Citations: 3

SECTIONS PDF TOOLS SHARE

Abstract

Subaqueous dunes are often observed to be superimposed on larger dunes, sand bars and tidal ridges, while smaller dunes may also be found superimposed on larger dunes. In this study an automated method has been developed by which the geometry of superimposed rhythmic bedforms can be analysed. The method combines two-dimensional (2D) Fourier analysis, wavelet transform, zero-crossing analysis and a variety of filters. Instead of applying conventional manual procedures, the wavelength of interest can be automatically determined by a series of 2D Fourier analyses, which is a critical first step for automated analysis of dune geometries. Based on such efficient data preprocessing, the method can accurately determine dune orientation, separate target bedform profiles, and identify crests and troughs. With the input of bathymetry, the dominant regional dune orientation can be determined together with the geometric

Volume 45, Issue 14
November 2020
Pages 3496-3509
This article also appears in:
Marine and River Bedforms Dynamics

图表：一键式查看/导出文章图表，提供JPG/PPT格式文件
本文信息：Metrics、发表周期等

Figures References Related Information

Recommended

Morphology of estuarine bedforms, Weser Estuary, Germany

文章HTML页面—利用相关文献，深入挖掘研究背景和进展1/2

An automated procedure to calculate the morphological parameters of superimposed rhythmic bedforms

Li Wang, Qian Yu, Yongzhan Zhang, Burghard W. Flemming, Yunwei Wang, Shu Gao

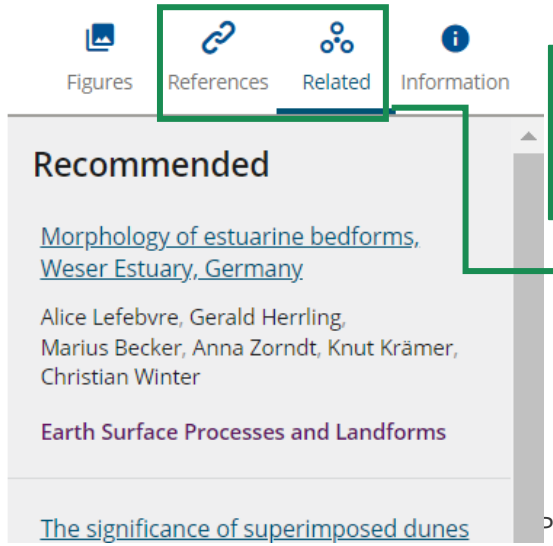
First published: 24 August 2020 | https://doi.org/10.1002/esp.4983 | Citations: 3

SECTIONS PDF TOOLS SHARE

Abstract

Subaqueous dunes are often observed to be superimposed on larger dunes, sand bars and tidal ridges, while smaller dunes may also be found superimposed on larger dunes. In this study an automated method has been developed by which the geometry of superimposed rhythmic bedforms can be analysed. The method combines two-dimensional (2D) Fourier analysis, wavelet transform, zero-crossing analysis and a variety of filters. Instead of applying conventional manual procedures, the wavelength of interest can be automatically determined by a series of 2D Fourier analyses, which is a critical first step for automated analysis of dune geometries. Based on such efficient data preprocessing, the method can accurately determine dune orientation, separate target bedform profiles, and identify crests and troughs. With the input of bathymetry, the dominant regional dune orientation can be determined together with the geometric parameters of individual dunes (wavelength, height, leeside angles) and their spatial distribution. The method was applied to both synthetic and observed bathymetries of a tidal ridge off the Jiangsu coast, China, and a sand bank in the Dover Strait, UK. The results show that almost all dunes in the domain were detected and their geometric parameters accurately calculated, especially in areas of bedform superimposition. © 2020 John Wiley & Sons, Ltd.

Marine and River Bedforms
Dynamics



了解更多相关研究：
查看参考文献
查看推荐文章

文章HTML页面—利用相关文献，深入挖掘研究背景和进展2/2

An automated procedure to calculate the morphological parameters of superimposed rhythmic bedforms

Li Wang, Qian Yu, Yongzhan Zhang, Burghard W. Flemming, Yunwei Wang, Shu Gao

First published: 24 August 2020 | https://doi.org/10.1002/esp.4983 | Citations: 3

查看被引情况，了解相关研究

SECTIONS PDF TOOLS SHARE

Abstract

Subaqueous dunes are often observed to be superimposed on larger dunes, sand bars and tidal ridges, while smaller dunes may also be found superimposed on larger dunes. In this study an automated method has been developed by which the geometry of superimposed rhythmic bedforms can be analysed. The method combines two-dimensional (2D) Fourier analysis, wavelet transform, zero-crossing analysis and a variety of filters. Instead of applying conventional manual procedures, the wavelength of interest can be automatically determined by a series of 2D Fourier analyses, which is a critical first step for automated analysis of dune geometries. Based on such efficient data preprocessing, the method can accurately determine dune orientation, separate target bedform profiles, and identify crests and troughs. With the input of bathymetry, the dominant regional dune orientation can be determined together with the geometric parameters of individual dunes (wavelength, height, leeside angles) and their spatial distribution. The method was applied to both synthetic and observed bathymetries of a tidal ridge off the Jiangsu coast, China, and a sand bank in the Dover Strait, UK. The results show that almost all dunes in the domain were detected and their geometric parameters accurately calculated, especially in areas of bedform superimposition. © 2020 John Wiley & Sons, Ltd.

Marine and River Bedforms Dynamics

Figures References Related Information

Recommended

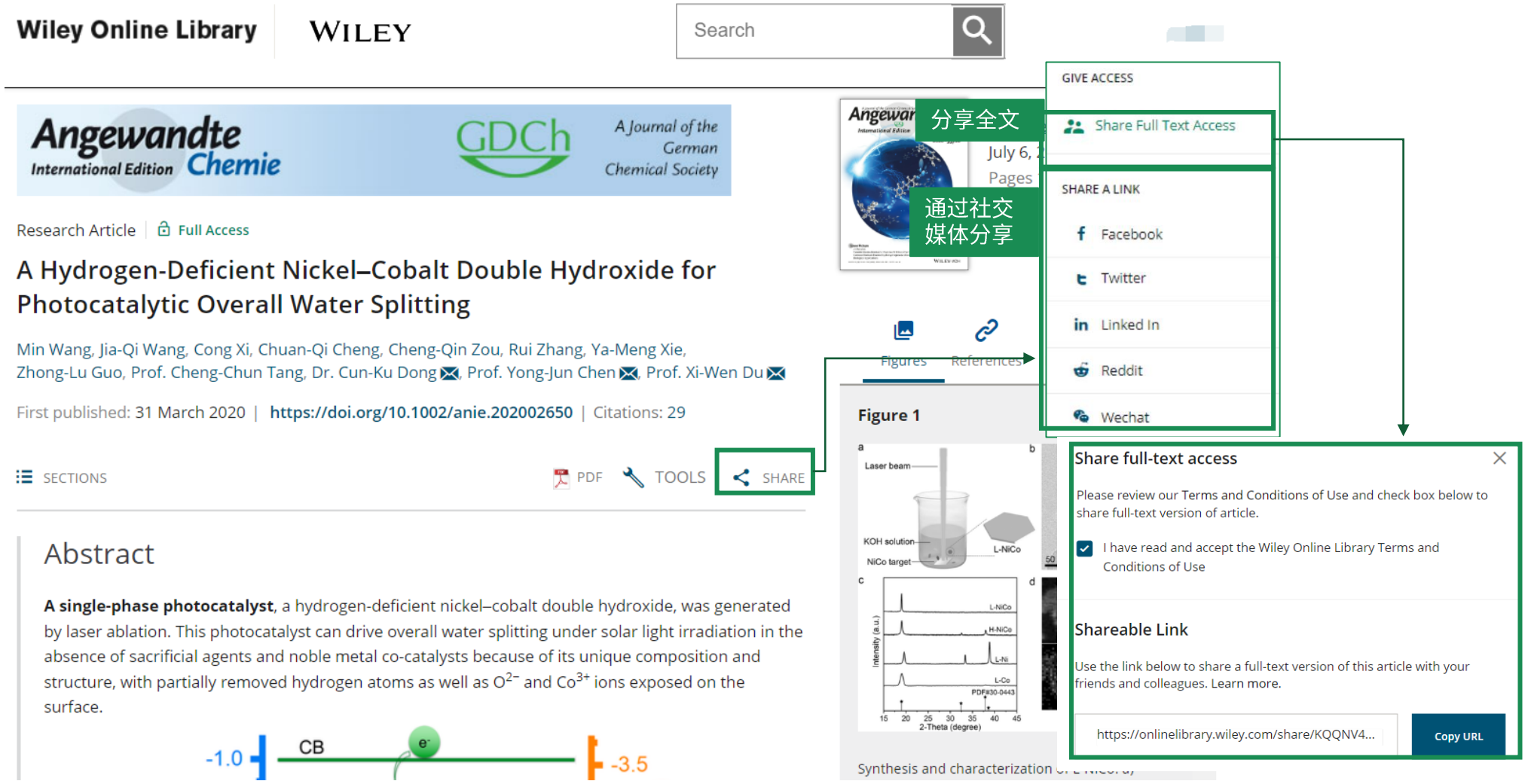
Morphology of estuarine bedforms, Weser Estuary, Germany

Alice Lefebvre, Gerald Herrling, Marius Becker, Anna Zorndt, Knut Krämer, Christian Winter

Earth Surface Processes and Landforms

The significance of superimposed dunes

文章HTML页面—文章发表后，通过社交媒体提升影响力



文章HTML页面—导出引文

文章HTML页面—下载PDF

Wiley Online Library | WILEY

Search

Angewandte International Edition Chemie | GDCh | A Journal of the German Chemical Society

Volume 59, Issue 28
July 6, 2020
Pages 11510-11515

Research Article | Full Access

A Hydrogen-Deficient Nickel–Cobalt Double Hydroxide for Photocatalytic Overall Water Splitting

Min Wang, Jia-Qi Wang, Cong Xi, Chuan-Qi Cheng, Cheng-Qin Zou, Rui Zhang, Ya-Meng
Zhong-Lu Guo, Prof. Cheng-Chun Tang, Dr. Cun-Ku Dong, Prof. Yong-Jun Chen,

First published: 31 March 2020 | https://doi.org/10.1002/anie.202002650 | Citation

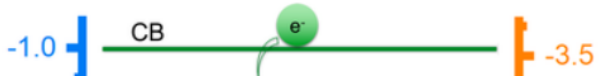
SECTIONS

PDF

下载PDF

Abstract

A single-phase photocatalyst, a hydrogen-deficient nickel–cobalt double hydrox
by laser ablation. This photocatalyst can drive overall water splitting under solar li
absence of sacrificial agents and noble metal co-catalysts because of its unique co
structure, with partially removed hydrogen atoms as well as O^{2-} and Co^{3+} ions exp
surface.



View in Publisher's site | Page 1 / 6

Details

ARTICLE
A Hydrogen-Deficient Nickel–Cobalt Double Hydroxide for Photocatalytic Overall Water Splitting

Min Wang, Jia-Qi Wang, Cong Xi, Chuan-Qi Cheng, Cheng-Qin Zou, Rui Zhang, Ya-Meng ... See all authors

CITE | Check for updates

https://doi.org/10.1002/anie.202002650

Published in Angewandte Chemie International Edition
Publisher John Wiley & Sons, Ltd

GDCh Research Articles Angewandte International Edition Chemie

Water Splitting Hot Paper

How to cite: Angew. Chem. Int. Ed. 2020, 59, 11510–11515
International Edition: doi.org/10.1002/anie.202002650
German Edition: doi.org/10.1002/ange.202002650

A Hydrogen-Deficient Nickel–Cobalt Double Hydroxide for Photocatalytic Overall Water Splitting

Min Wang, Jia-Qi Wang, Cong Xi, Chuan-Qi Cheng, Cheng-Qin Zou, Rui Zhang, Ya-Meng Xie, Zhong-Lu Guo, Cheng-Chun Tang, Cun-Ku Dong, Yong-Jun Chen,* and Xi-Wen Du**

Abstract: *Developing highly efficient and low-cost photocatalysts for overall water splitting has long been a pursuit for converting solar power into clean hydrogen energy. Herein, we demonstrate that a nonstoichiometric nickel–cobalt double hydroxide can achieve overall water splitting by itself upon solar light irradiation, avoiding the consumption of noble-metal co-catalysts. We employed an intensive laser to ablate a NiCo alloy target immersed in alkaline solution, and produced so-called L-NiCo nanosheets with a nonstoichiometric composition and O^{2-}/Co^{3+} ions exposed on the surface. The nonstoichiometric composition broadens the band gap, while O^{2-} and Co^{3+} ions boost hydrogen and oxygen evolution, respectively. As such, the photocatalyst achieves a H_2 evolution rate of 1.7 μmol h^{-1} under AM 1.5G sunlight irradiation and an apparent quantum yield (AQE) of 1.38 % at 380 nm.*

Introduction

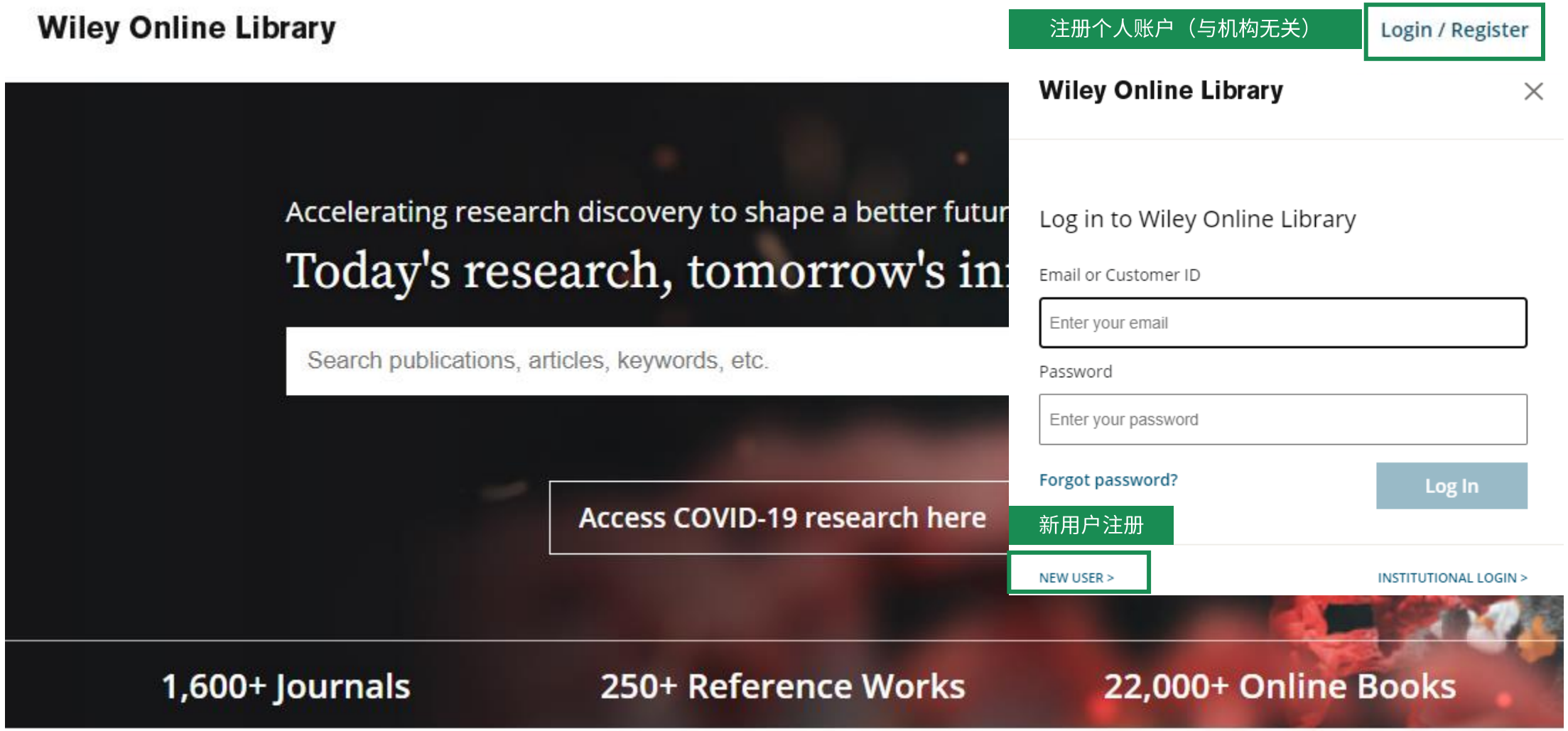
junctions.[15–18] Nevertheless, these composite photocatalysts suffer from complicated syntheses, limited material options, and rather high costs, which seriously impedes their large-scale application.[15,19–21] Therefore, it is an urgent demand to engineer photocatalysts with simple structures but high efficiencies.

Thus far, single-phase photocatalysts have been rarely reported for overall water splitting. Although some metallic oxides, such as TiO_2,[22–25] CoO,[26] $PdSeO_3$,[27] and Co_3O_4,[28] can produce hydrogen and oxygen simultaneously, each metallic oxide has its own deficiencies, for instance, the extremely large band gap of TiO_2,[29] the slow hydrogen evolution and short lifetime of CoO,[30,31] the poor stability and low light absorption efficiency of $PdSeO_3$,[27] and the narrow band gap of Co_3O_4.[28] Recently, hydroxides (e.g., NiCo double hydroxides) were found to be promising bifunctional electrocatalysts for the hydrogen evolution reaction (HER) and the oxygen evolution reaction (OER)[32] and

Synthesis and characterization of L-NiCo. a)

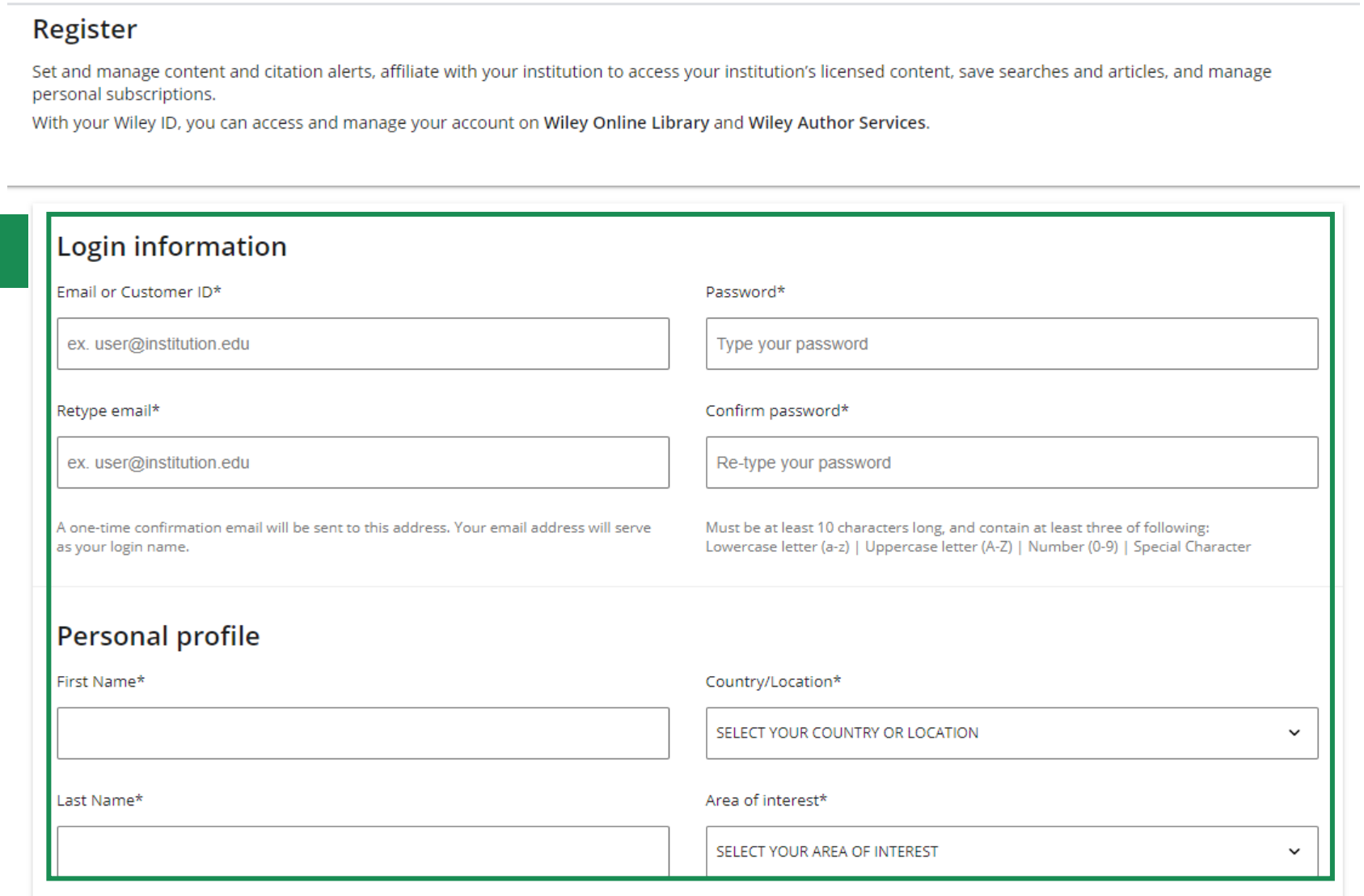
WILEY

研究进展追踪—注册账户，利用订阅功能提升科研效率 1/6

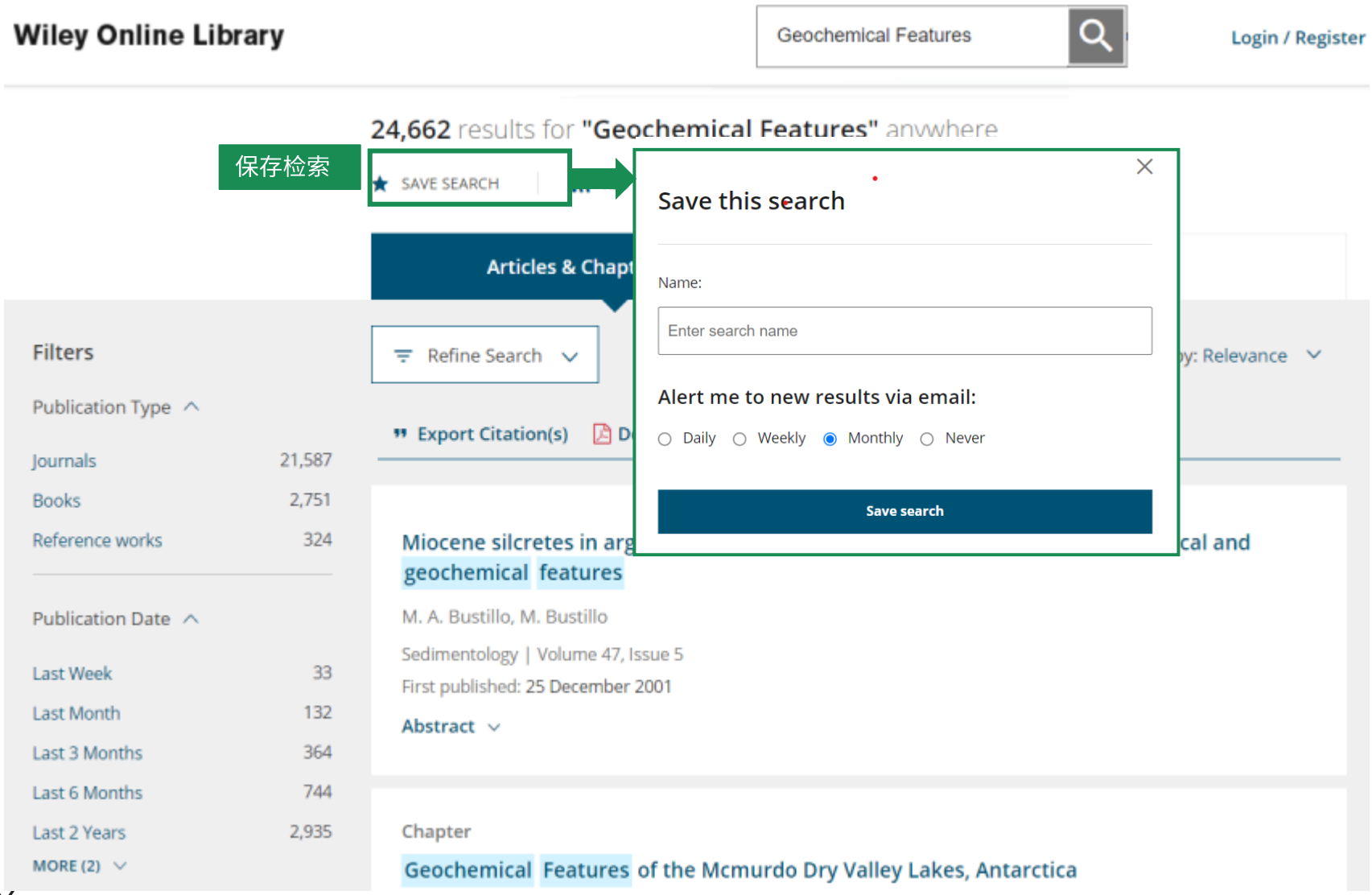


研究进展追踪—注册账户，利用订阅功能提升科研效率 2/6

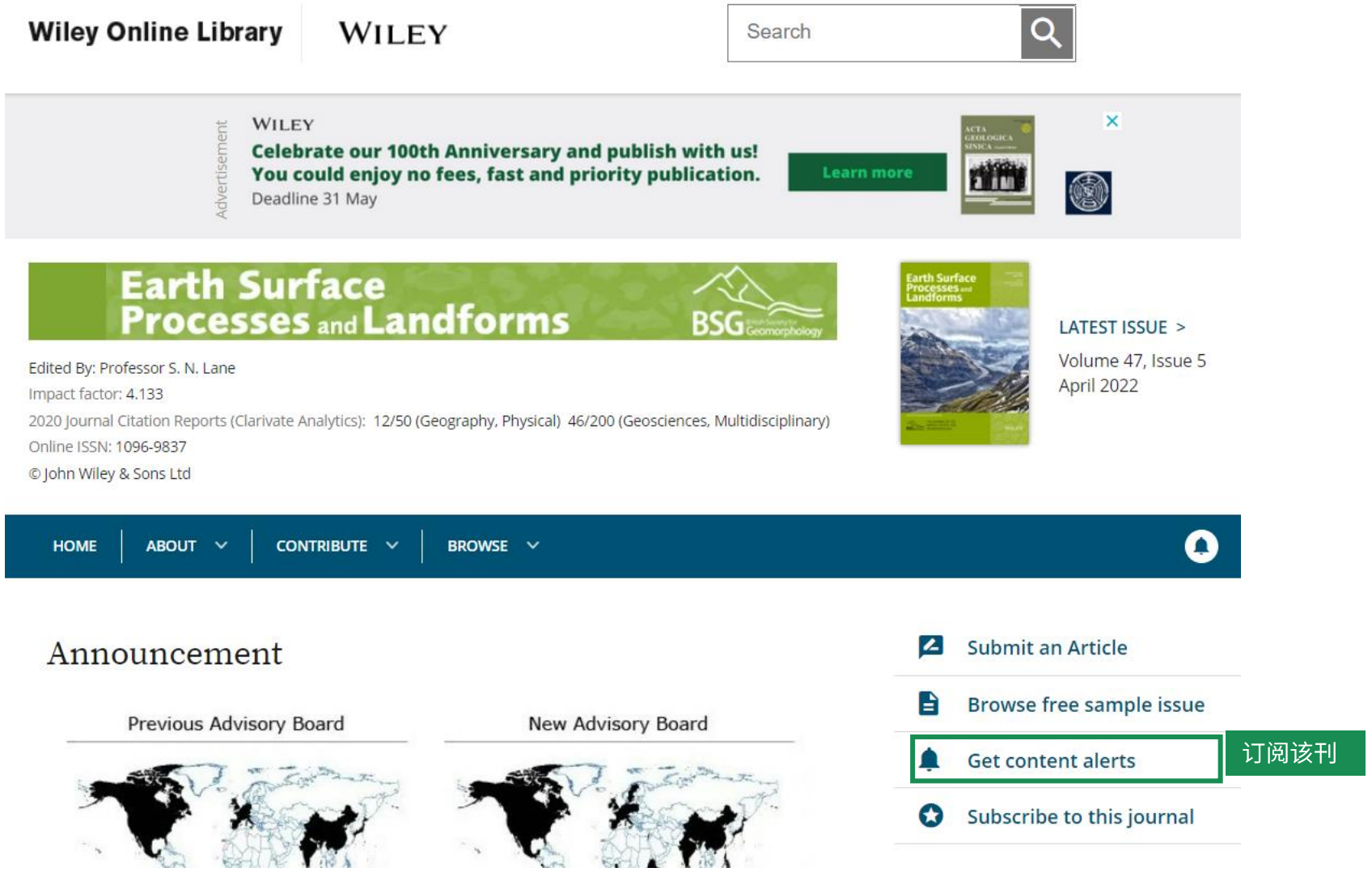
填写邮箱及简单信息并激活



研究进展追踪—保存检索式 3/6



研究进展追踪—订阅期刊 4/6



订阅该刊

研究进展追踪—订阅单篇文章 5/6

An automated procedure to calculate the morphological parameters of superimposed rhythmic bedforms

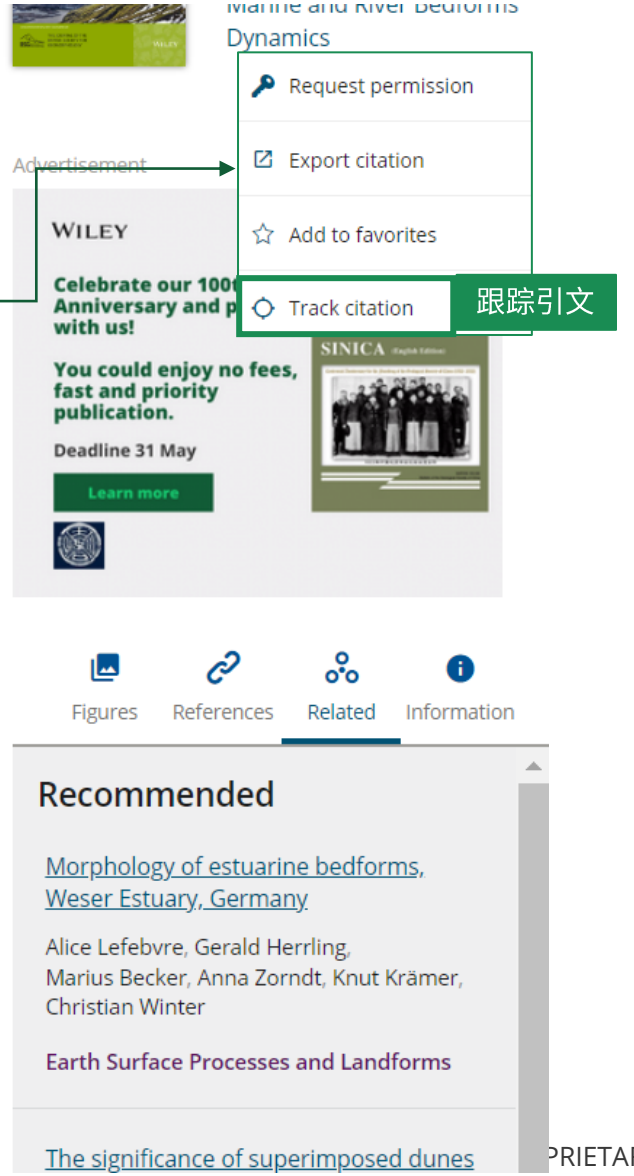
Li Wang, Qian Yu, Yongzhan Zhang, Burghard W. Flemming, Yunwei Wang, Shu Gao

First published: 24 August 2020 | https://doi.org/10.1002/esp.4983 | Citations: 3

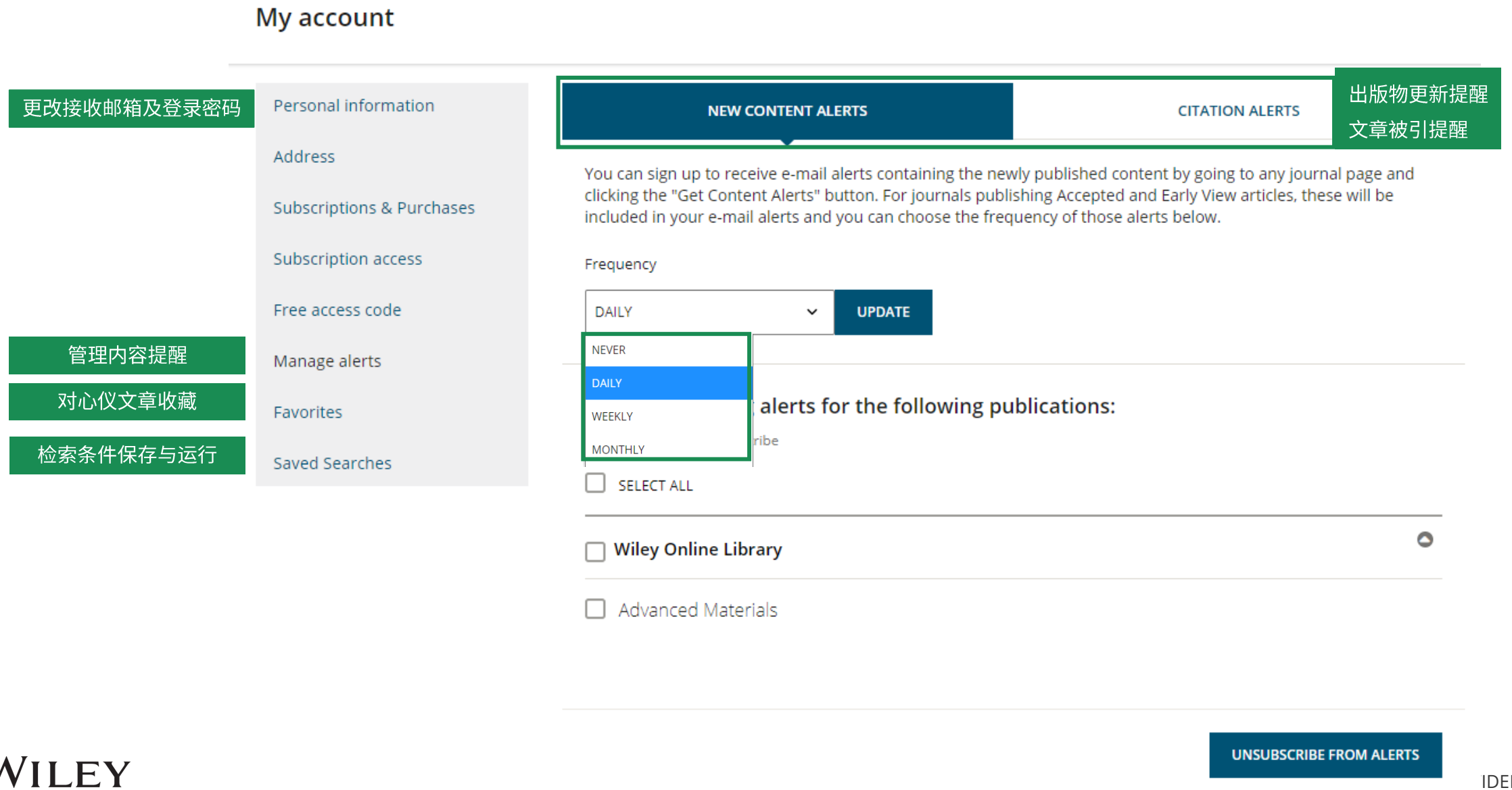
SECTIONS PDF TOOLS SHARE

Abstract

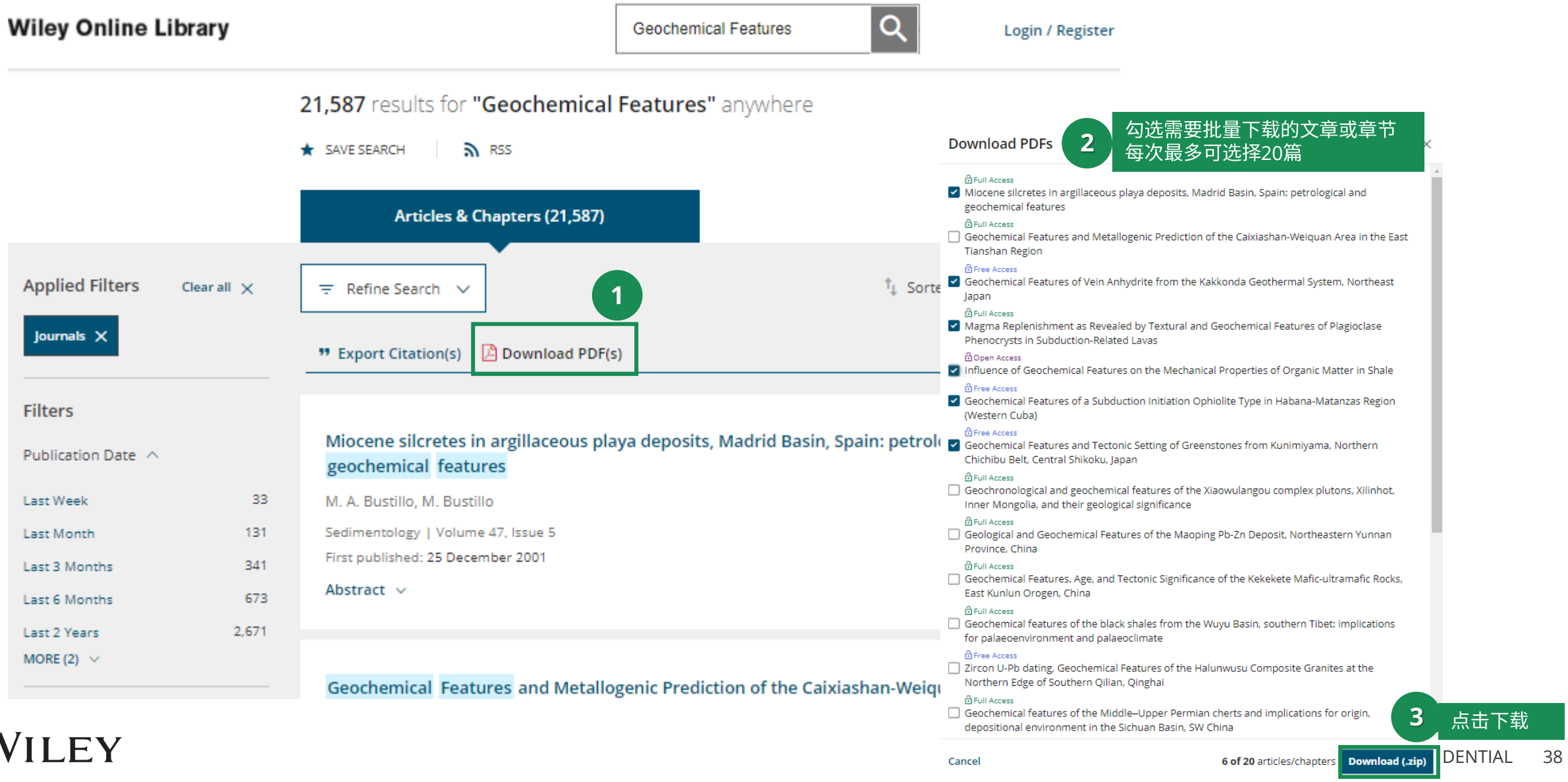
Subaqueous dunes are often observed to be superimposed on larger dunes, sand bars and tidal ridges, while smaller dunes may also be found superimposed on larger dunes. In this study an automated method has been developed by which the geometry of superimposed rhythmic bedforms can be analysed. The method combines two-dimensional (2D) Fourier analysis, wavelet transform, zero-crossing analysis and a variety of filters. Instead of applying conventional manual procedures, the wavelength of interest can be automatically determined by a series of 2D Fourier analyses, which is a critical first step for automated analysis of dune geometries. Based on such efficient data preprocessing, the method can accurately determine dune orientation, separate target bedform profiles, and identify crests and troughs. With the input of bathymetry, the dominant regional dune orientation can be determined together with the geometric parameters of individual dunes (wavelength, height, leeside angles) and their spatial distribution. The method was applied to both synthetic and observed bathymetries of a tidal ridge off the Jiangsu coast, China, and a sand bank in the Dover Strait, UK. The results show that almost all dunes in the domain were detected and their geometric parameters accurately calculated, especially in areas of bedform superimposition. © 2020 John Wiley & Sons, Ltd.



研究进展追踪—管理订阅 6/6



提升文献获取效率—检索结果的批量下载 1/2



提升文献获取效率—期刊同期中的多篇文章批量下载 2/2

WILEY

Wiley期刊论文发表流程

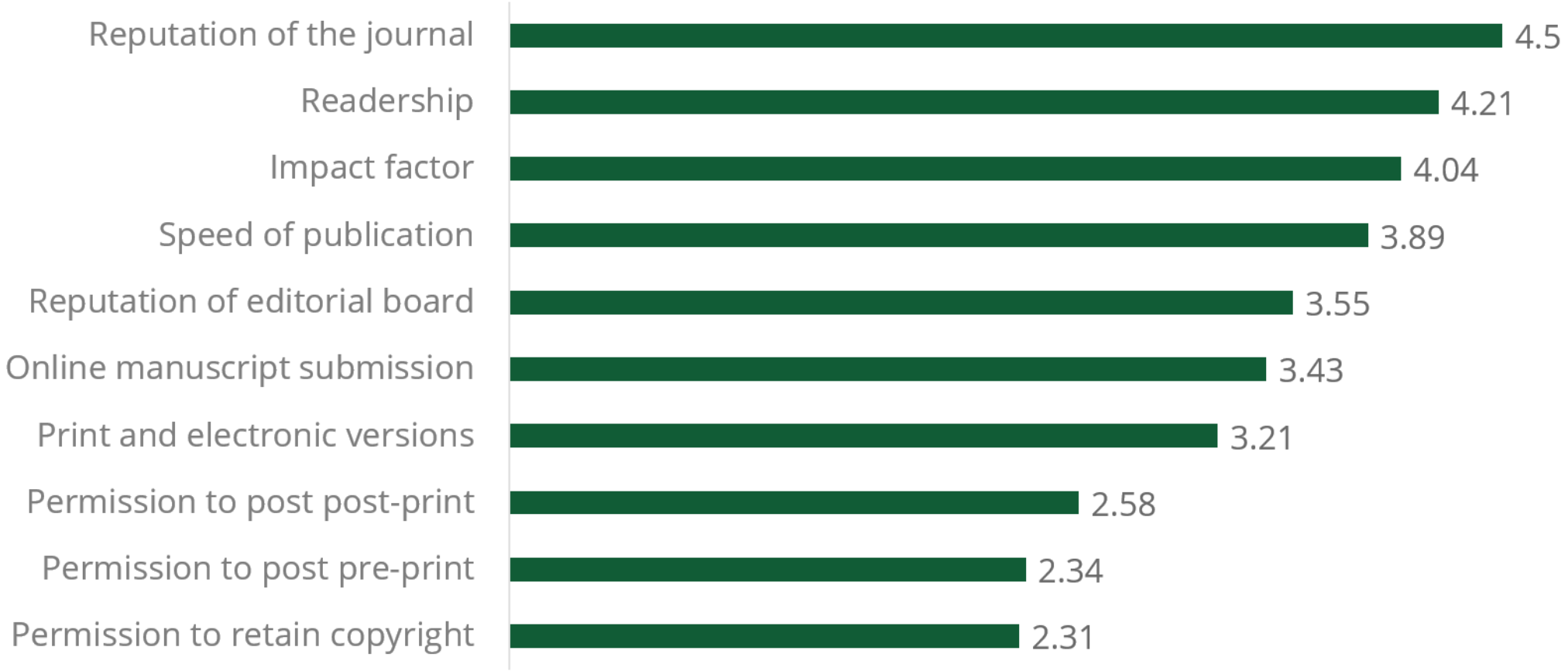
论文发表准备与流程

Guide to Publishing

投稿定位与选刊

Survey: Reasons for choosing last journal (n=5,513)

Averages, where 5 = Very important, 1 = Not at all important

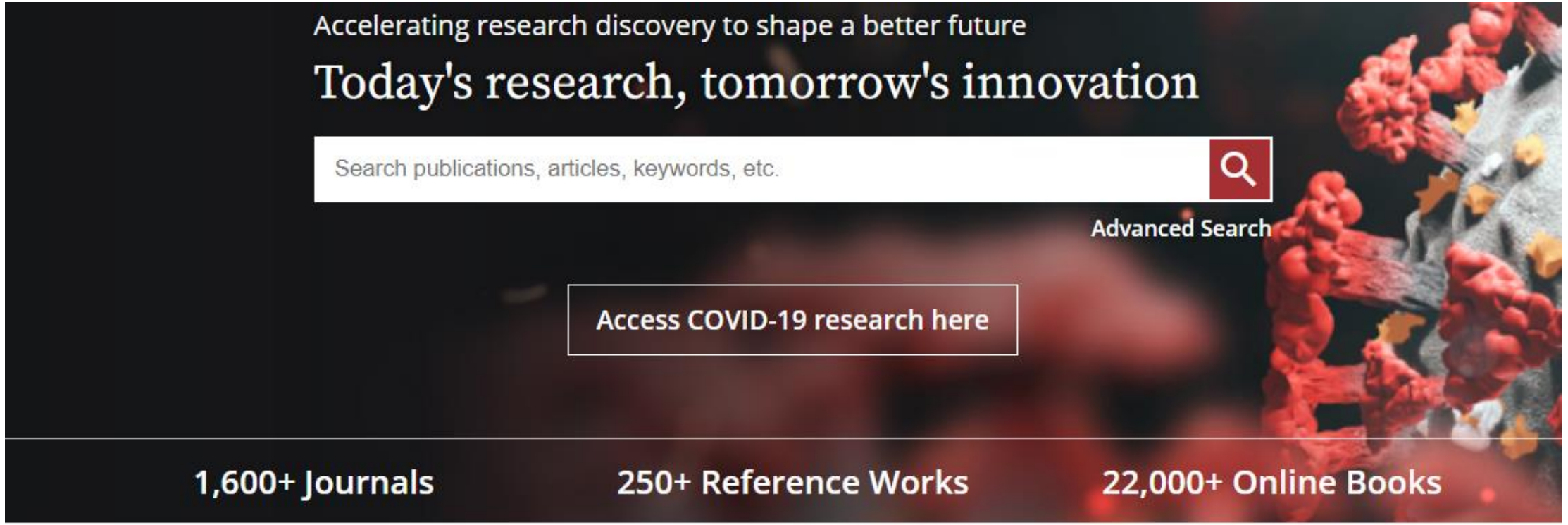


Ian Rowlands and Dave Nicholas. New Journal Publishing Models: An international survey of Senior Researchers. A CIBER Report for the Publishers Association and International Association of STM Publishers. 2005

选择拟投期刊的方法

- 在线检索：数据库平台检索，检索相关领域的文章的出版物来源。
- 同行交流：与同行、实验室伙伴、导师或合作者交流沟通。
- 参考文献：相关研究的文章所属出版物来源。
- 借助工具：WOL免费期刊推荐工具

选投Wiley期刊—WOL免费期刊推荐工具



Resources

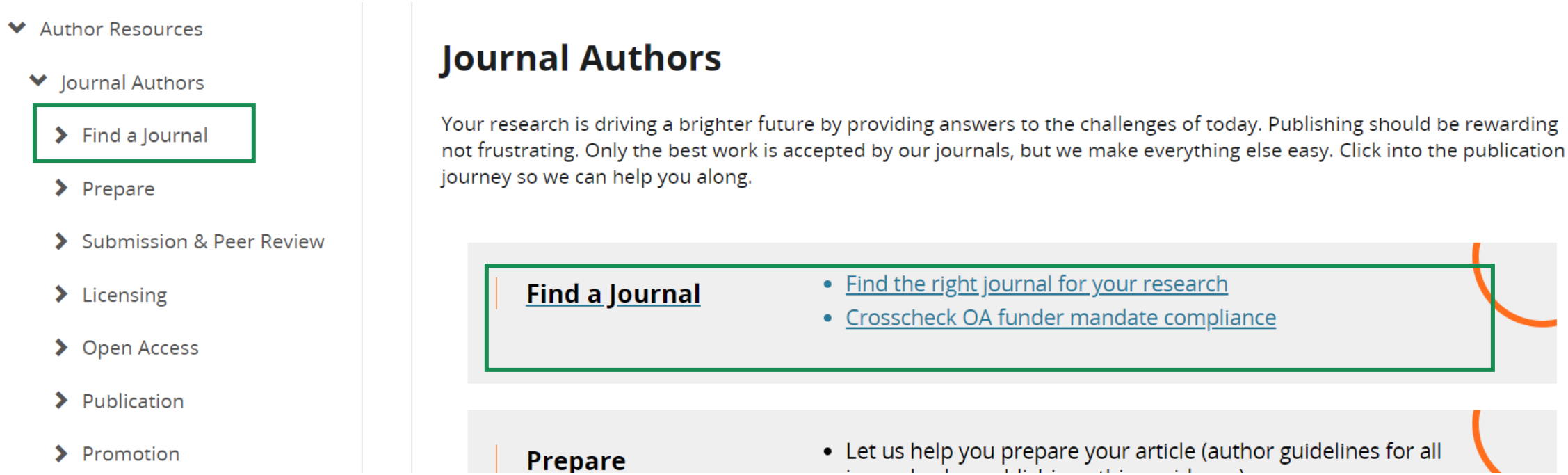
Researchers
- Register online
- Access options
- Find training and resources

Librarians
- Manage your account
- View products and solutions
- Find training and support

Societies
- Publish with Wiley
- Learn about trends
- Subscribe to news and resources

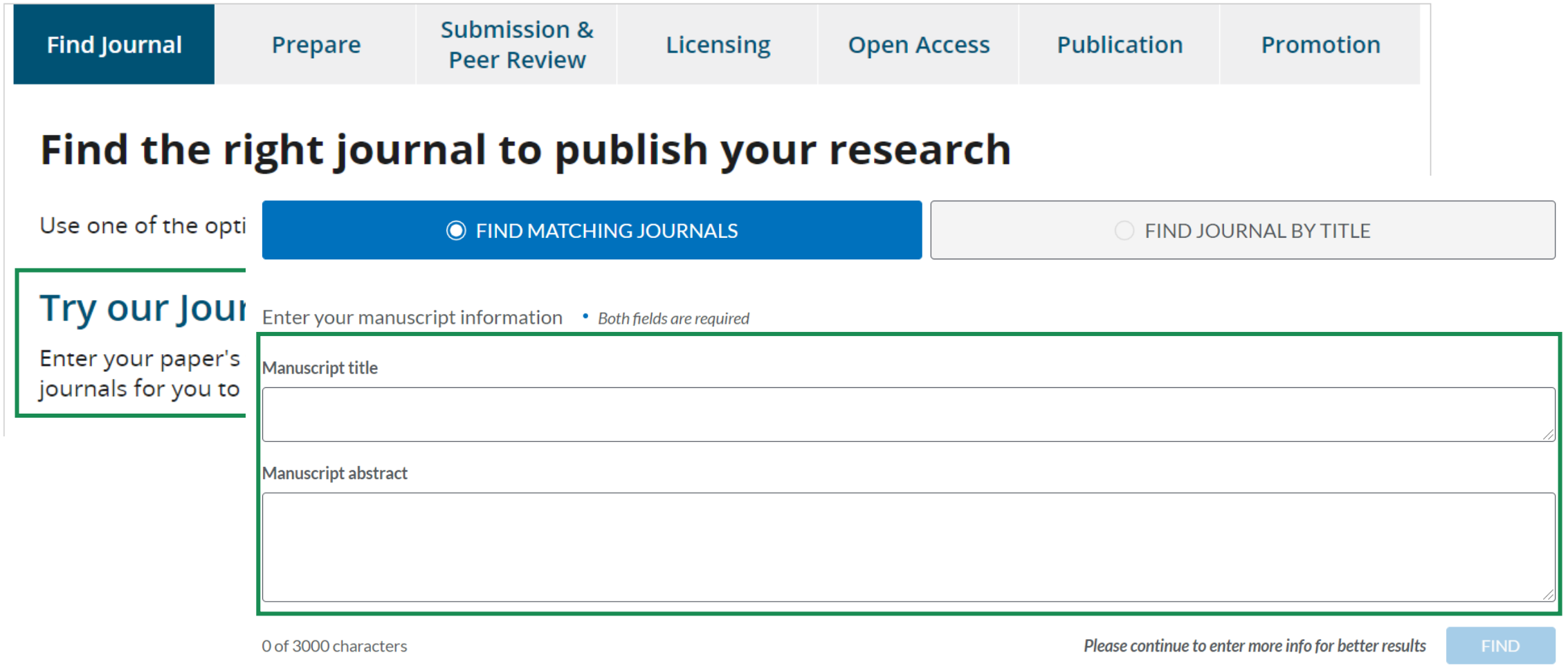
Authors
- Submit a paper
- Track your article
- Learn about Open Access

选投Wiley期刊—WOL免费期刊推荐工具



选投Wiley期刊—WOL免费期刊推荐工具

选投Wiley期刊—WOL免费期刊推荐工具



https://journalfinder.wiley.com/search?type=match

论文发表准备与流程—期刊信息（投稿范畴）

论文发表准备与流程—期刊信息（投稿范畴）

INTERNATIONAL JOURNAL OF
ENERGY RESEARCH

HOME | ABOUT | CONTRIBUTE | BROWSE

Overview

Aims and Scope

The *International Journal of Energy Research* (IJER) is dedicated to providing a multidisciplinary, unique platform for researchers, scientists, engineers, technology developers, planners, and policy makers to present their research results and findings in a compelling manner on novel energy systems and applications. IJER covers the entire spectrum of energy from production to conversion, conservation, management, systems, technologies, etc. We encourage papers submissions aiming at better efficiency, cost improvements, more effective resource use, improved design and analysis, reduced environmental impact, and hence leading to better sustainability.

IJER is concerned with the development and exploitation of both advanced traditional and new energy sources, systems, technologies and applications. Interdisciplinary subjects in the area of novel energy systems and applications are also encouraged. High-quality research papers are solicited in, but are not limited to, the following areas with innovative and novel contents:

- Biofuels and alternatives
- Carbon capturing and storage technologies
- Clean coal technologies
- Energy conversion, conservation and management
- Energy storage
- Energy systems
- Hybrid/combined/integrated energy systems for multi-generation
- Hydrogen energy and fuel cells
- Hydrogen production technologies
- Micro- and nano-energy systems and technologies
- Nuclear energy
- Renewable energies (e.g. geothermal, solar, wind, hydro, tidal, wave, biomass)
- Smart energy system

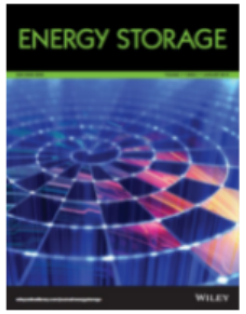
Submit an Article

Browse free sample issue

Get content alerts

Subscribe to this journal

Related Title: New for 2019



More from this journal

- More Energy Journals
- To Our Authors Newsletter
- Special Issues
- LaTeX class file

ASCE

论文发表准备与流程—期刊信息（发表速度）

RESEARCH ARTICLE | Full Access

Aqua-processable carbon quantum dot–assisted resilient polymer binder for advanced lithium-sulfur batteries

Soochan Kim, Jungmin Kim, Minhyeong Kim, Misuk Cho, Youngkwan Lee

First published: 10 August 2021 | https://doi.org/10.1002/er.7162

Funding information: National Research Foundation of Korea, Grant/Award Numbers: NRF-2019R1A2C1003594, NRF-2020R1A6A3A13074137

SECTIONS PDF TOOLS SHARE

Summary

Lithium-sulfur batteries (LSBs) with outstanding theoretical capacity and environmentally friendly properties are regarded as next-generation energy storage devices. However, the shuttle effect of lithium polysulfide (LPS) limits the practical application of LSBs. Herein, we introduce an aqua-processable carbon quantum dot (CQD)–assisted resilient waterborne polyurethane (WPU) network binder for sulfur cathodes. WPU is a well-dispersed colloidal system with abundant polar groups that is suitable for regulating LPS shuttle effects. CQDs were prepared from WPU by hydrothermal treatment. The CQDs enabled facile electron/ion transport, enhanced the adsorption capability of LPS, and formed a robust network. Moreover, the chemical similarity between WPU and CQDs enabled the formation of a well-dispersed system, thereby affording optimal electrochemical performance. The WPU-CQD binder systems exhibited stable cycling performance at a high rate of 2C, with only 0.028% retention decay per cycle over 1000 cycles.

1 INTRODUCTION

Lithium-sulfur batteries (LSBs) are promising candidates for use in high-energy storage systems. LSBs offer the advantages of high specific energy density (~2600 W h kg^{-1}) and low price, owing to the abundance of sulfur in the earth's crust.[1-3] However, the commercialization of LSBs is inhibited by several issues, including the electrical insulating properties of sulfur and the discharged products (Li_2S/Li_2S_2), volume expansion (~80%) of sulfur during cycling, and shuttle effects triggered by the dissolution and diffusion of intermediate LPSs into the electrolyte.[4, 5] To alleviate these issues, newly designed sulfur cathodes or components, which can enhance the structural stability of the electrode and regulate the shuttle effects caused by LPS, are essential for high-performance LSBs.

Generally, sulfur cathodes are fabricated by coating a slurry (active materials, conductive additives, and polymer binder) on a current collector. Although the content of the polymer

Figures References Related Information

Metrics

0

Details

Check for updates

Research Funding

National Research Foundation of Korea.
Grant Numbers: NRF-2019R1A2C1003594, NRF-2020R1A6A3A13074137

Keywords

binder | carbon quantum dot | lithium-sulfur battery | polyurethane | resilient polymer network

Publication History

Issue Online:
11 November 2021

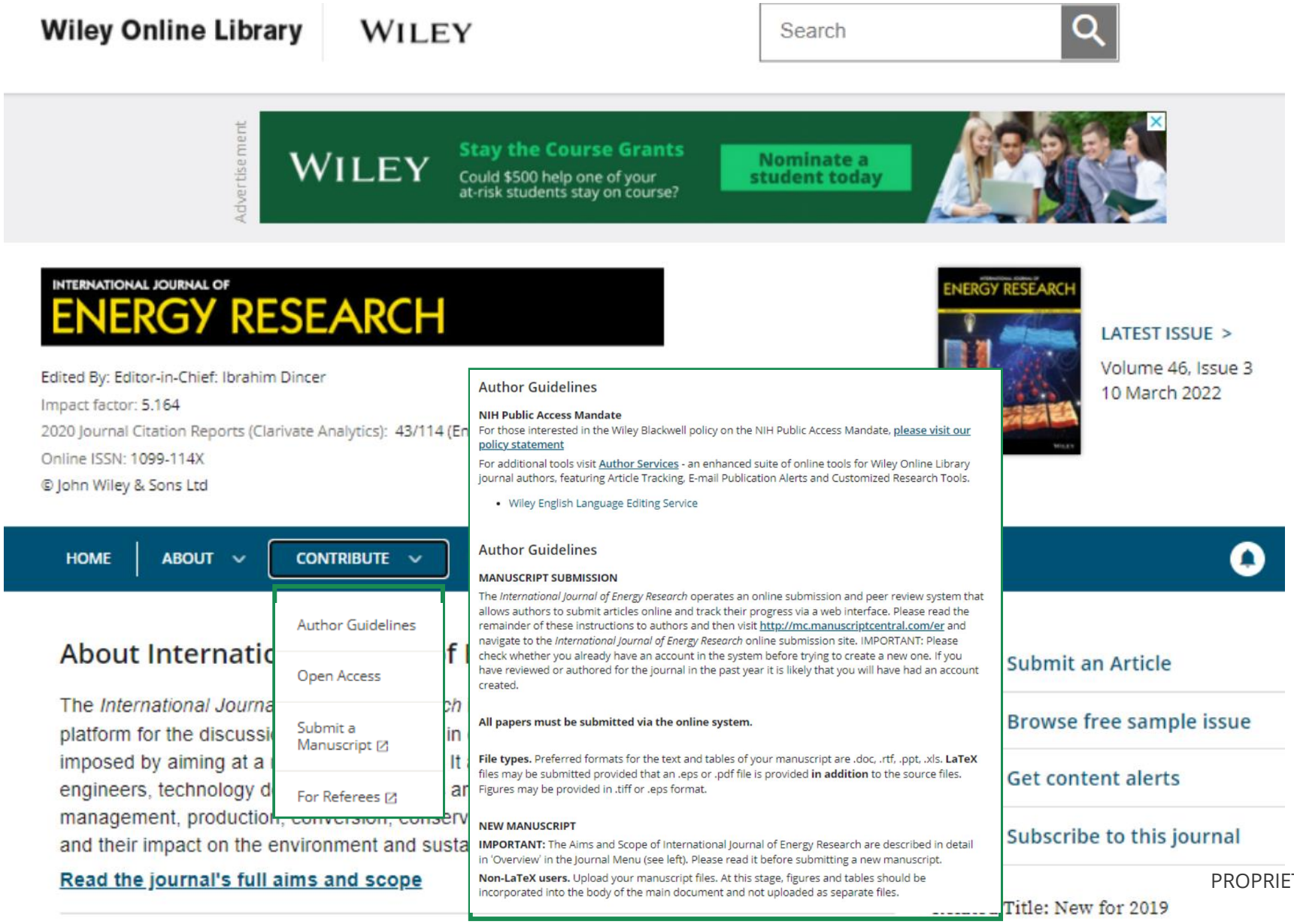
Version of Record online:
10 August 2021

Manuscript accepted:
27 July 2021

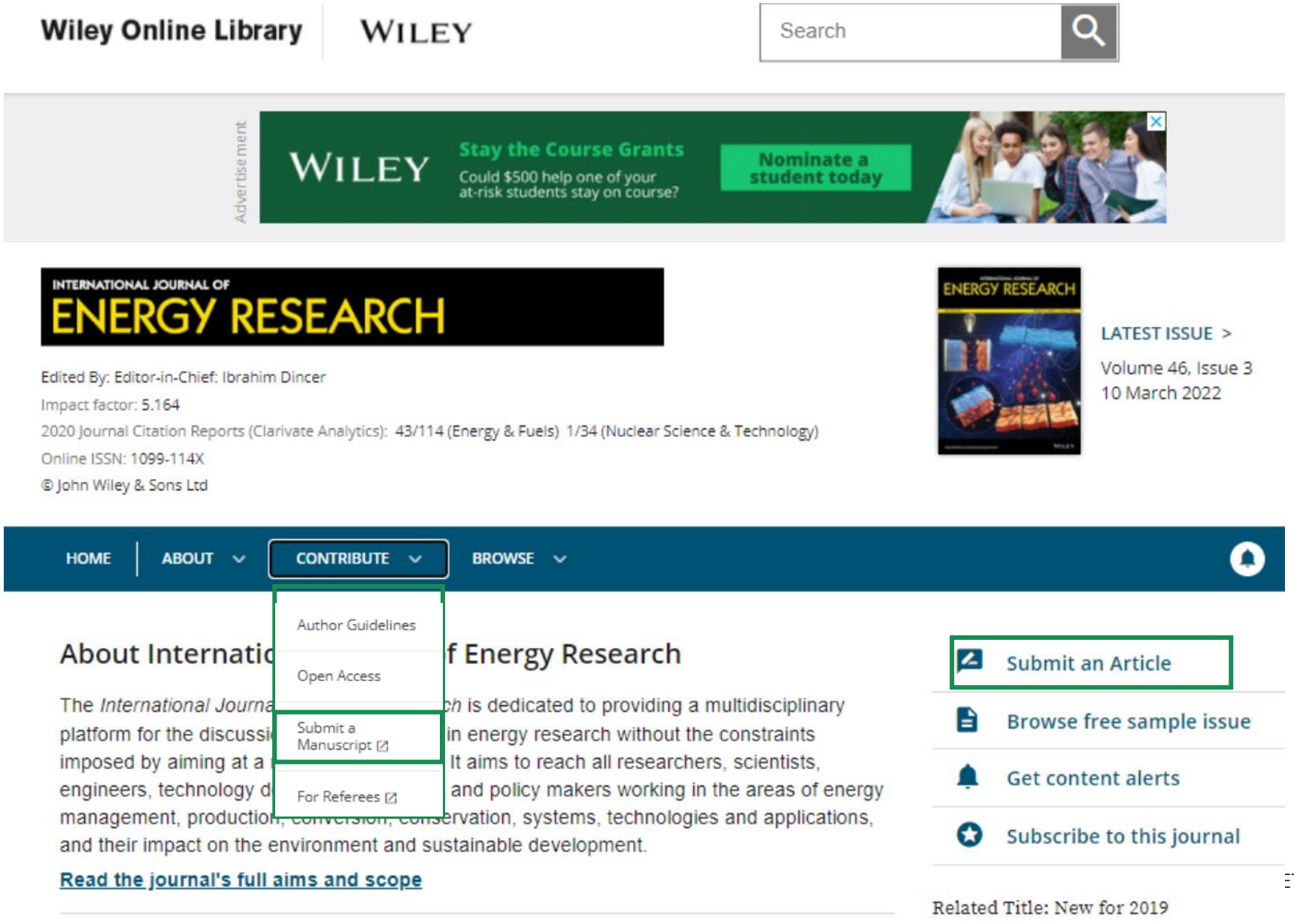
Manuscript revised:
27 July 2021

Manuscript received:
31 May 2021

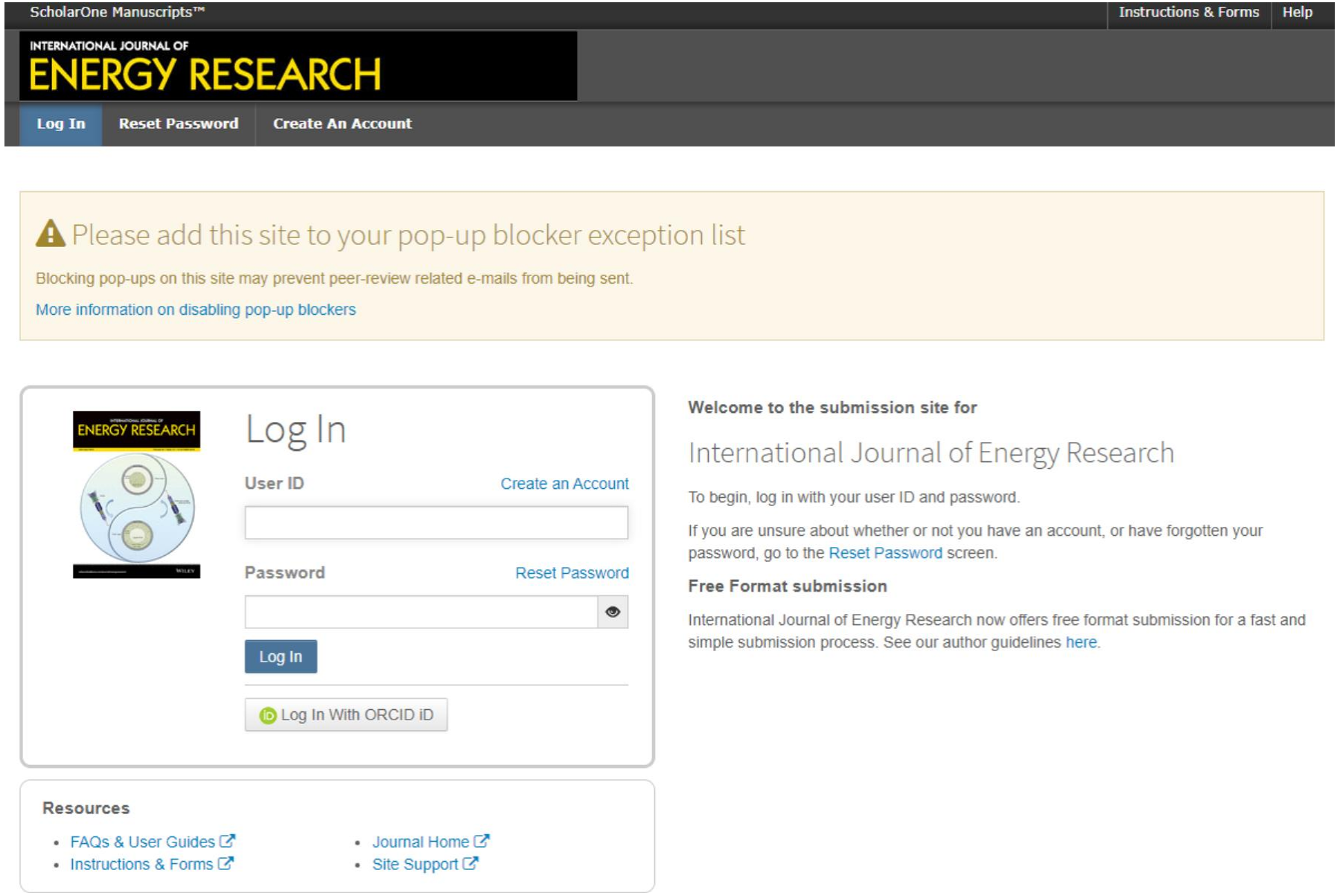
论文发表准备与流程—投稿要求



论文发表准备与流程—投稿入口



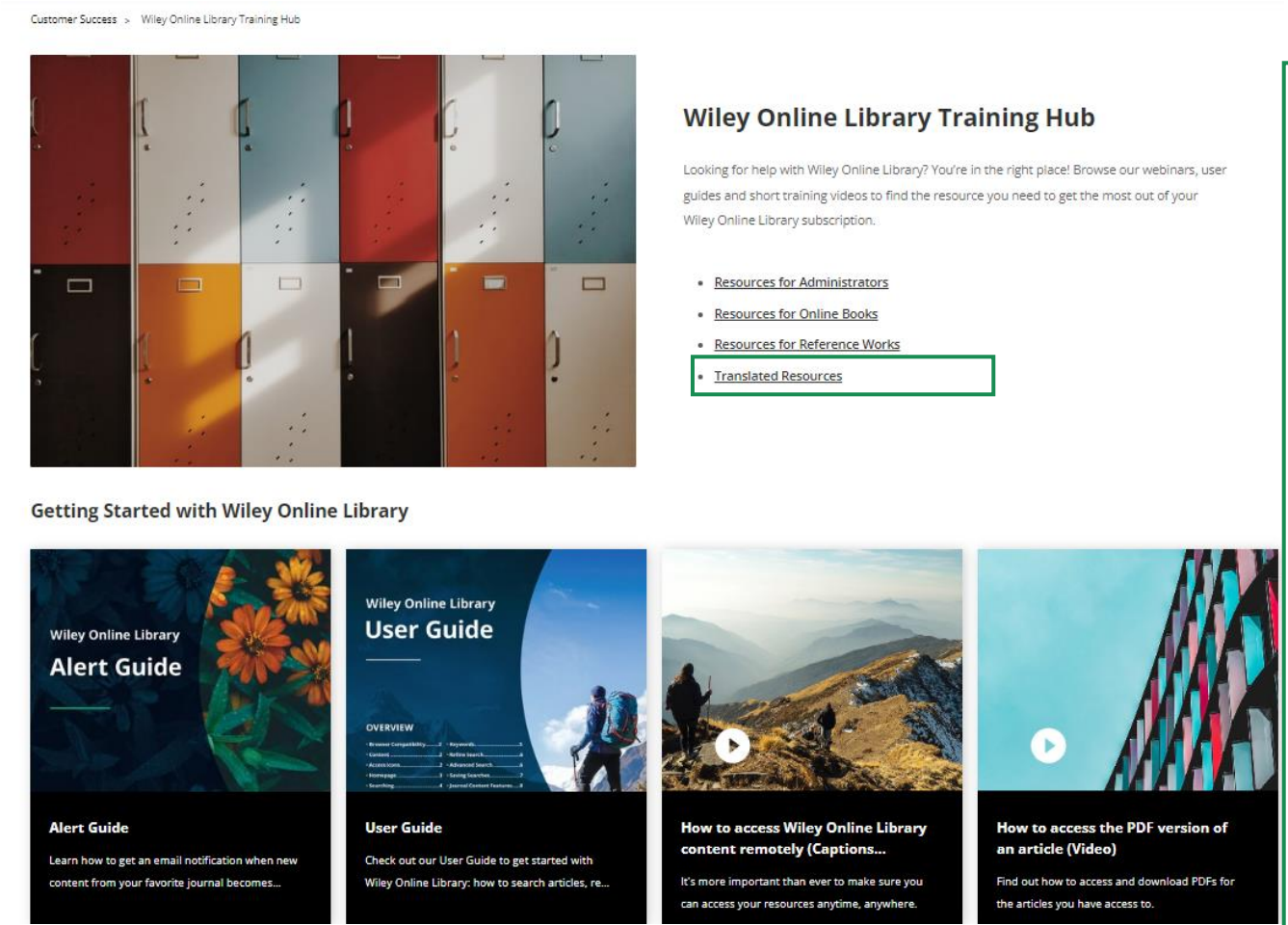
论文发表准备与流程—投稿系统入口

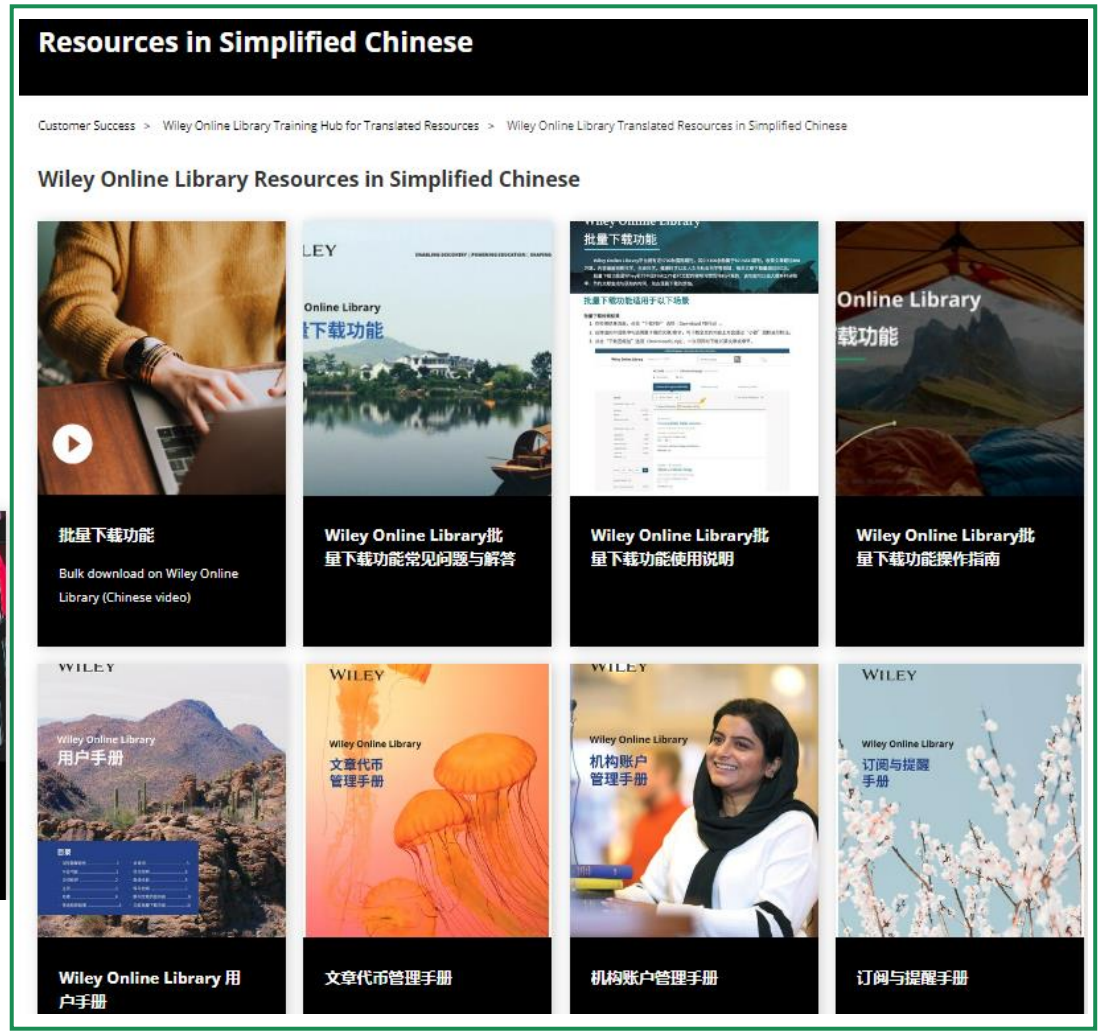


WILEY

作者与读者服务

获取更多学习资源





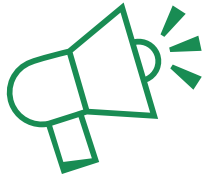
https://www.wiley.com/en-us/customer-success/wiley-online-library-training-hub

作者服务—助力您论文发表流程每一步

查找合适期刊发表您的研究

获得帮助来准备您的稿件

了解开放获取和开放研究



推广文章的方法

更多详情，请访问https://authorservices.wiley.com/

积极满足科研人员不同的学术需求

科研人员的需求：

- 随着研究的深度和广度不断扩大，共享知识变得更加复杂
- 科研人员希望自己的工作具有影响力
- 内容、科技和服务的提升可以让科研人员更便捷的分享自己的研究成果，并最终得到应用

Wiley能做的：

- 引导科研人员在学术研究旅程中交流成果
- 信息素养和科研能力提升
- 学术讲座、学术交流

WILEY

Wiley科研苑

——学术出版与服务整合平台

资源整合

多种学术资源聚合
- 在线直播与学术会议回放
- 学术专家、主编访谈视频内容
- 期刊信息资源
- 科技论文写作与发表技巧专栏
- 学术出版电台

Easy to be Found!

学科微页面

- *主编与大咖见解*
- *期刊与学术前沿*

Wiley科研苑目前已服务近9万科研用户
快来扫码关注 “Wiley科研服务”
点击链接或菜单“科研苑”即可访问

WILEY

Wiley学术大讲堂

大讲堂合集页面　　课程上新提醒　　精选合集回看

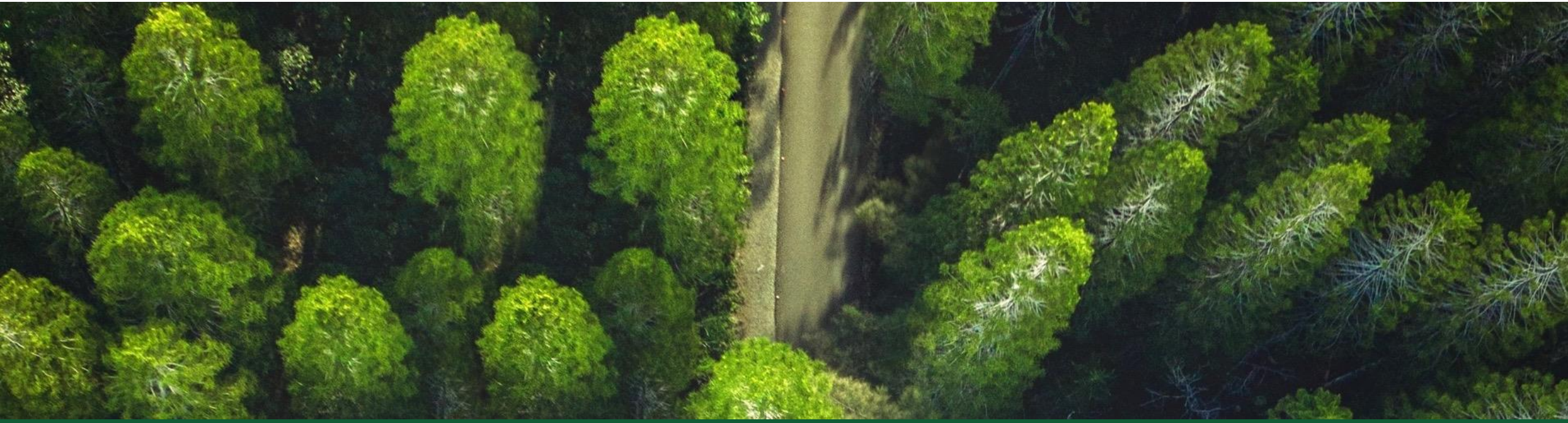
- 当月精彩讲座预告
- 上月精选活动回放
- 全新系列持续更新

- 每月初定期更新
- 扫码即可收看精选课程
- 浏览大讲堂页面获取最新资讯

WILEY

WILEY

ENABLING DISCOVERY | POWERING EDUCATION | SHAPING WORKFORCES



Thank you!

朱苗 azhu@wiley.com