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# 牛津期刊与开放出版





# 关于我们

**1478年**



出版第一本书

**1884年**



出版Oxford English Dictionary 第一版

**1896年**



成立第一个海外分支机构：纽约

**20世纪早期**



出版业务扩展至乐谱、童书、期刊等多种类别

**1996年**



牛津期刊在线化出版

**2000年**



推出Oxford English Dictionary 在线版——开始出版在线产品

**2017年**



从HTTP到HTTPS：牛津期刊率先成功迁移到HTTPS

**2020年**



COVID-19资源中心：汇集最新研究成果，支持科研和远程学习

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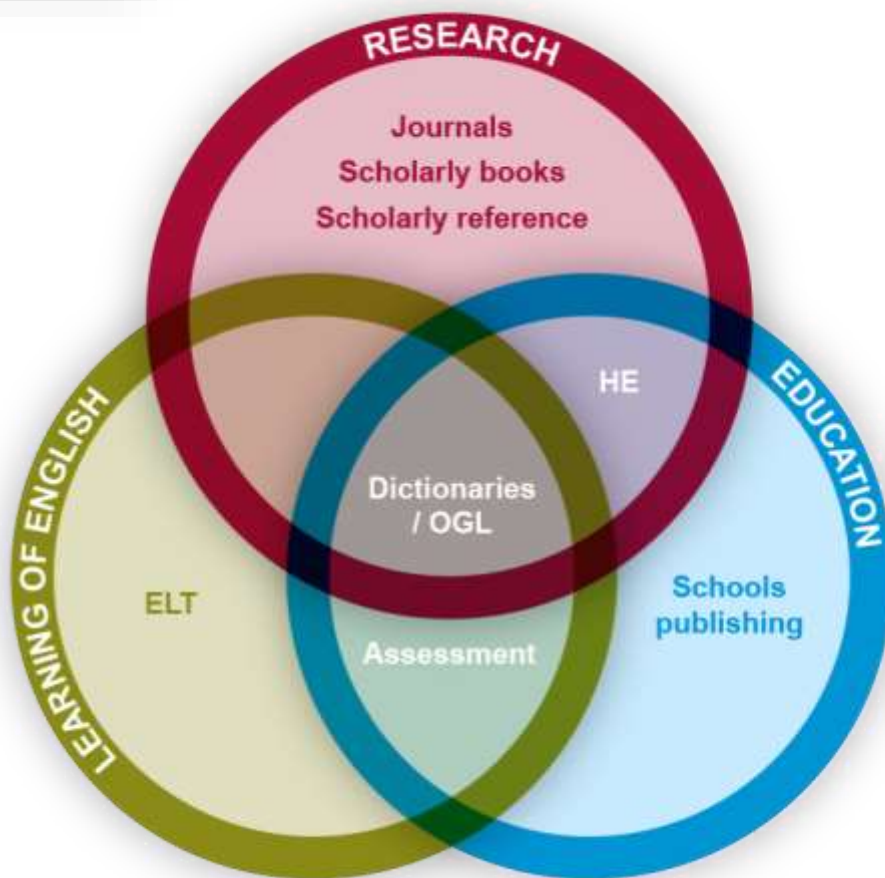
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# 内容

-  2021年牛津期刊现刊库概览
-  牛津期刊开放获取出版Oxford Open
-  牛津大学出版社COVID-19免费资源

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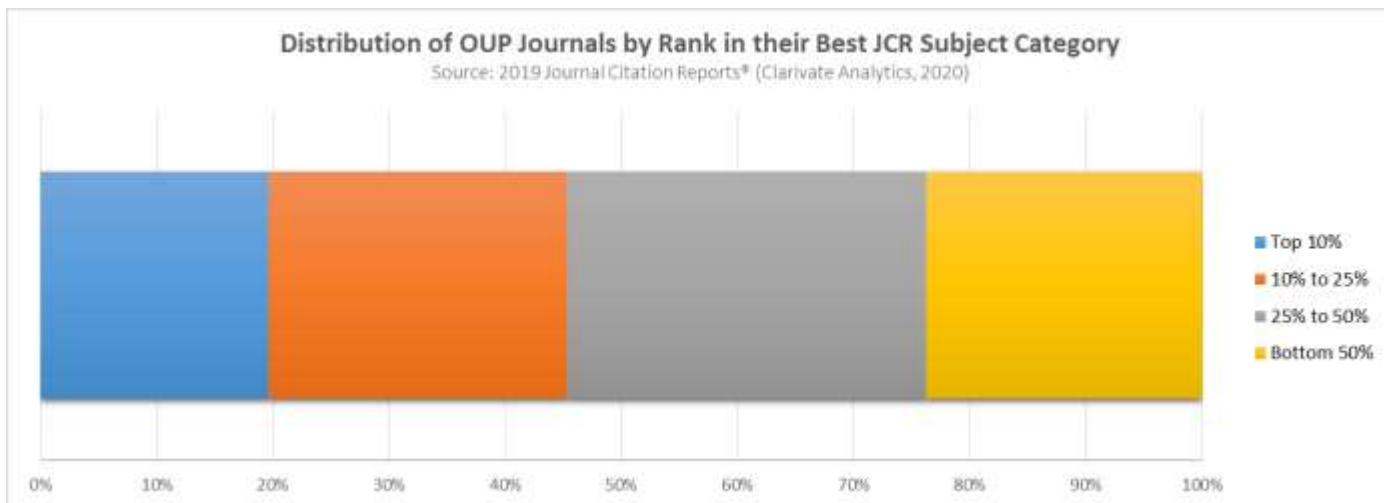
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根据2019年期刊引证报告® ( Clarivate Analytics, 2020 ) , 近300种牛津期刊具有影响因子, 其中1/5在其学科领域排名前10% , 超过45%的期刊排名在其学科领域的Q1 ( 前25% ) 区间





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**6个**  
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*\*12本新刊  
部分跨学科期刊收录在  
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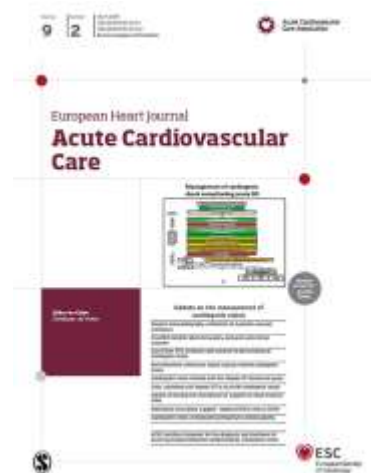
## European Society of Cardiology

academic.oup.com/journals/collection



European Journals of  
Preventive Cardiology

2019年影响因子：5.864  
JCR排名：18/138  
(心脏和心血管)



European Journals of  
Acute Cardiovascular Care

2019年影响因子：3.813  
JCR排名：47/138  
(心脏和心血管)



European Journals of  
Cardiovascular Nursing

2019年影响因子：2.296  
JCR排名：11/123 (护理)

# 2021年新刊概览

## Royal Pharmaceutical Society



Journal of Pharmacy and  
Pharmacology

2019年影响因子：2.571  
JCR排名：149/270  
(药理学与药剂学)



International Journal of  
Pharmacy Practice (IJPP)

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Journal of Pharmaceutical  
Health Services Research

与制药有关的卫生服务研究领域

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British Journal of Surgery

2019年影响因子：5.676  
JCR排名：7/210（外科学）



Genetics

Genetic Society of America  
2019年影响因子：4.015  
JCR排名：48/177  
（基因和遗传学）



Metallomics

Royal Society of Chemistry  
2019年影响因子：3.796  
JCR排名：111/297  
（生物化学与分子生物学）

# 2021年新刊概览



Bioscience Biotechnology &  
Biochemistry

The Japan Society for Bioscience,  
Biotechnology, and Biochemistry

2019年影响因子：1.516  
JCR排名：42/71（应用化学）



Journal of Breast Imaging

Society of Breast Imaging

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## 以 *National Science Review* 为例



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Volume 7, Issue 7  
July 2020

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5 year Impact Factor  
**15.209**

Multidisciplinary  
Sciences  
**3 out of 71**

**Editor-in-Chief**  
Chunli Bai

**Executive Editor-in-Chief**  
Mu-ming Poo

### About the journal

Under the auspices of the Chinese Academy of Sciences, *National Science Review* is an open access journal aimed at reporting cutting-edge developments across science and technology in China and around the world. The journal covers all areas of the natural sciences, including physics and mathematics, chemistry, life sciences, earth sciences, materials science, and information sciences.

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# NSR

National Science Review



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Crystal face dependent intrinsic wettability of metal oxide surfaces

Developing molecular-level models for organic field-effect transistors

Self-assembly of metal[3]catenanes, borromean rings and ring-in-ring complex using a simple  $\pi$ -donor unit

Unconventional Hall Effect induced by Berry Curvature

### Most read

On the origin and continuing evolution of SARS-CoV-2

Durable superamphiphobic silica aerogel surfaces for the culture of 3D cellular spheroids

Pathogenic T-cells and inflammatory monocytes incite inflammatory storms in severe COVID-19 patients

A brief introduction to weakly supervised learning

Photogenerated holes induced rapid eliminating of solid tumors by the supramolecular porphyrin photocatalyst

### Most cited

Challenges of Big Data analysis

Integrated study of the water–ecosystem–economy in the Heihe River Basin

Recent advances in graphene-based planar micro-supercapacitors for on-chip energy storage

The rare two-dimensional materials with Dirac cones

Carbon-based supercapacitors for efficient energy storage

高被引文章等列表



### Latest Special Topic: The South China Sea Ocean Drilling

New drilling discoveries in the South China



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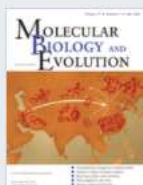
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# 文章全文页面



Volume 1, Issue 2  
June 2014

## Challenges of Big Data analysis

Jianqing Fan ✉, Fang Han, Han Liu

*National Science Review*, Volume 1, Issue 2, June 2014, Pages 293–314,  
<https://doi.org/10.1093/nsr/nwt032>

Published: 05 February 2014 [Article history](#) ▼

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### Article Contents

- Abstract
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- BACKGROUND
- GOALS AND CHALLENGES OF ANALYZING BIG DATA
- PARADIGM SHIFTS
- ORGANIZATION OF THIS PAPER
- RISE OF BIG DATA
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# NSR

National Science Review

### Abstract

Big Data bring new opportunities to modern society and challenges to data scientists. On the one hand, Big Data hold great promises for discovering subtle population patterns and heterogeneities that are not possible with small-scale data. On the other hand, the massive sample size and high dimensionality of Big Data introduce unique computational and statistical challenges, including scalability and storage bottleneck, noise accumulation, spurious correlation, incidental endogeneity and measurement errors. These challenges are distinguished and require new computational and statistical paradigm. This paper gives overviews on the salient features of Big Data and how these features impact on paradigm change on statistical and computational methods as well as computing architectures. We also provide various new perspectives on the Big Data analysis and computation. In particular, we emphasize on the viability of the sparsest solution in high-confidence set and point out that exogenous assumptions in most statistical methods for Big Data cannot be validated due to incidental endogeneity. They can lead to wrong statistical inferences and consequently wrong scientific conclusions.

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- Journal (474)
- Journal Article (200,000)

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Journal

Journal of the London Mathematical Society

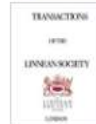
An official journal of the London Mathematical Society. Publishes high quality, significant research, predominantly in pure mathematics.



Journal

Transactions of the Linnean Society of London. 2nd Series. Botany

An official journal of The Linnean Society of London, the journal was first published in 1791 and covered all aspects of natural history.



Journal

Multimedia Manual of Cardio-Thoracic Surgery

An official journal of the European Association for Cardio-Thoracic Surgery. Publishes informative videos, drawings, and how-to descriptions of cardiovascular and thoracic surgical procedures, authored by experts in the field.

截屏

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- Book Review (417090)
- Other (247414)
- Abstract (217575)
- Reply (195328)
- Letter (59730)
- Review Article (49919)
- Editorial (34778)
- Case Report (25152)
- Meeting Report (23062)

## Subject

- ▶ Arts and Humanities (867735)
- ▶ Law (64034)
- ▶ Medicine and Health (1089947)
- ▶ Science and Mathematics (987271)
- ▶ Social Sciences (314602)

## 学科筛选

## Journal

- Notes and Queries (406562)
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- Monthly Notices of the Royal Astronomical Society (72287)

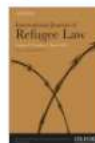
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Journal

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Journal

### International Journal of Law and Information Technology

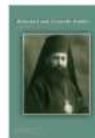
Publishes papers that provide cutting edge and comprehensive analysis of Information Technology, communications and cyberspace law as well as the issues arising from applying Information and Communications Technologies (ICT) to legal practice.



Journal

### Holocaust and Genocide Studies

The official journal of the United States Holocaust Memorial Museum. Research articles, interpretive essays, and book reviews in the social sciences and humanities address the issue of how insights into the Holocaust apply to other genocides.



Journal

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Journal

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## Category

- Editor's Choice (11695)
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The Chinese Journal of Comparative Law

Publishes comparative studies on all disciplines of law, including cross-disciplinary legal studies. Papers address significant issues in comparative law and topics relevant to the development of China's legal system and the wider developing world.



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Christian bioethics: Non-Ecumenical Studies in Medical Morality

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Journal

The Cambridge Quarterly

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Journal

Aesthetic Surgery Journal Open Forum

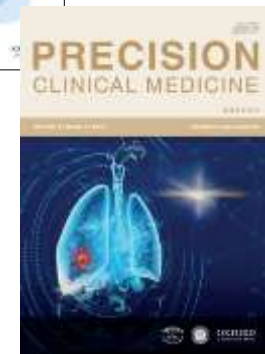
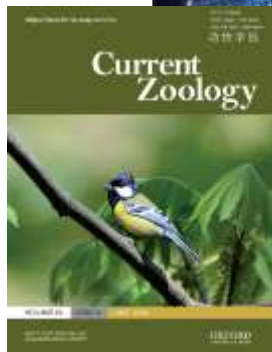
Aesthetic Surgery Journal Open Forum is an Open Access journal focusing on the latest developments in aesthetic surgery and cosmetic treatments. It is an official publication of The Aesthetic Society.



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- [免费医学资源：远程教学和科研需求](#)
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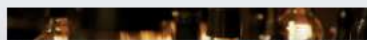
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# 应对远程教学和科研需求

OXFORD  
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#### For Practitioners & Researchers

In order to support medical professionals at this time, we're providing free access to a number of books and chapters on mechanical ventilation, critical care, and acute medicine. Features relevant chapters from the *Oxford Textbook of Medicine* and the *Oxford Handbook of Clinical Medicine*. [Read now.](#)

On the OUP Academic website, you will find a range of resources regarding the ongoing outbreak, including journal content that addresses the challenges of medical professionals in varying specialties. [Visit OUP Academic.](#)



#### Quarantine Management

Containing the spread of COVID-19 is now the prime mission of the global community. This page provides a collection of titles and chapters that explain the best methods of infection control, the responsibilities of public health and healthcare officials, and the ethics questions emerging around social distancing and lockdowns. [Explore the collection now.](#)



#### Distance Learning Tools

With so many of us now working and learning in different ways, we've put together a collection of some of our best tools for learning and development. Covering a wide range of medical specialties, this collection features videos, case-based learning, Q&As, and more to help you keep learning - at home or on the go. [Explore now.](#)



#### Clinical Research

Our Coronavirus Research page lists a number of freely available chapters addressing epidemic management, public health and travel medicine responsibilities, and studies of similar respiratory infections. [Start reading the research.](#)

Coronavirus Resources

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