WILEY

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苏州大学

利用Wiley优质资源发表国际论文

曹玮麟 Wiley中国市场部

Wiley 中国·市场部

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This presentation serves the purpose of educational and best practice sharing, I don't have conflict of interest with the event organizer.

大纲

1. Wiley优质资源介绍
2. 探索Wiley Online Library使用技巧
3. Wiley期刊论文发表准备与流程
4. 新形式，新服务

WILEY

Wiley优质资源介绍

关于Wiley

- 创始于**1807**年，迄今已**215**年历史
- 服务于**1500**万研究人员和专业人士
- 与高校合作**222**个在线项目
- **600**万人使用Wiley的培训平台
- **500+**诺奖得主
- 客户遍布全球**140+**家
- 全球分布30个国家，76个办公室

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

17
种期刊在学科分类种排名第一

191
种期刊在学科分类中排名前十

11,958,618
次引用Wiley的文章

医学护理及专业技术

- 330+种期刊
- 240+家学协会合作伙伴
- **300+**种期刊被2021JCR收录
- 120种期刊在2020JCR所属学科分类中排名前25%

医学领域期刊亮点

180+种期刊被2020JCR收录

12种Wiley期刊在学科分类中排名前十

110+学协会合作伙伴

肿瘤学

Wiley是**肿瘤学**领域的领先出版商，拥有超过40种肿瘤学期刊。

- Wiley在该领域有**18**家学协会合作伙伴，拥有该领域影响因子的排名第一的期刊， CA-A Cancer Journal of Clinicians （美国癌症协会的旗舰期刊）
- 在Wiley的医学内容中，2020年肿瘤学内容下载量达到**1840万**次。

肿瘤学领域的主要合作伙伴:

美国癌症协会 (the American Cancer Society),
国际癌症控制联盟 (the Union for International Cancer Control)
日本癌症协会 (the Japanese Cancer Association)
中国肺癌学会 (Chinese Society of Lung Cancer)
美国社会心理肿瘤学会 (the American Psychosocial Oncology Society)

期刊推荐

医学

Journal of Pathology
《病理学期刊》

2021 JCR 排名:
4/77 病理学
33/246 肿瘤科

Alzheimer's & Dementia
《阿耳茨海默氏病与痴呆症》

2021 JCR 排名:
4/212 临床神经学类

CA: A Cancer Journal for Clinicians
《临床医师癌症期刊》

2021 JCR 排名:
1/246 肿瘤学

Addiction
《瘾癖》

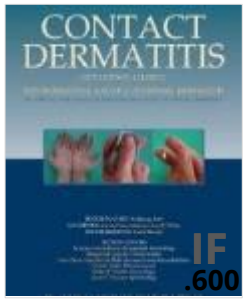
2021 JCR 排名:
3/37 药物滥用类
31/157 精神病学类

American Journal of Transplantation
《美国移植期刊》

2021 JCR 排名:
8/211精神病学类
2/24 移植学

Hepatology
《肝病学》

2021 JCR 排名:
6/93 胃肠病学和肝病学类



Contact Dermatitis
《接触性皮炎》

2021 JCR 排名 :
6/69 皮肤病科

World Psychiatry
《世界精神病学》

2021 JCR 排名:
1/157 精神病学

自然科学

- 460+种期刊
- 240+家学协会合作伙伴
- 420+种期刊被JCR收录
- 130+种期刊在JCR所属学科内排名前25%

工程学领域期刊亮点

50+种期刊
被2020JCR收录

25家学协会合作伙伴

12种Wiley期刊在学科分类中排名前25%

- Wiley帮助工程研究人员解决高难度的工程问题，提供该领域的最新工程实践成果的展示平台。

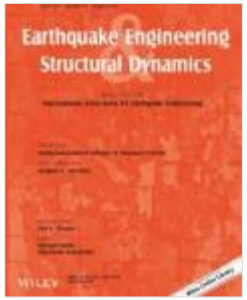
主要学协会合作伙伴：
国际系统工程理事会 (International Council on Systems Engineering)
美国导航学会(Institute of Navigation)
美国工程教育学会(American Society for Engineering Education)
信息显示学会(Society for Information Display)

期刊推荐

工程学

Journal of Field Robotics
《野外机器人技术期刊》

2021 JCR 排名:
8/28 机器人学



Earthquake Engineering & Structural Dynamics
《地震工程与结构动力学》

2021 JCR 排名:
21/41 地质工程
41/139 土木工程

Progress in Photovoltaics: Research and Applications
《光电压进展：研究与应用》

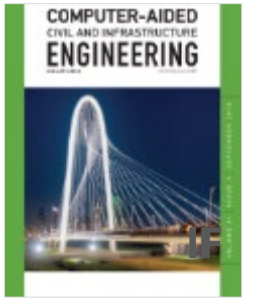
2021 JCR 排名:
26/119 能源与燃料
69/346 跨学科材料科学
22/161 应用物理

International Journal for Numerical and Analytical Methods in Geomechanics
《国际地质力学数值法与分析法期刊》

2021JCR排名:
18/41 地质工程
142/346 跨学科材料科学
33/138 力学

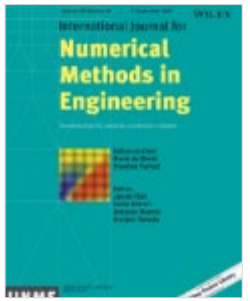
Structural Control and Health Monitoring
《结构控制与健康监测》

2021JCR排名:
14/68 结构与建筑技术
15/139 土木工程
6/64 仪器与仪表



Computer-Aided Civil and Infrastructure Engineering
《计算机辅助土木和基础结构工程》

2021 JCR 排名:
2/139 土木工程
4/68 结构与建筑技术
3/40 运输科学与技术
9/113 计算机科学，跨学科应用



International Journal for Numerical Methods in Engineering
《国际工程数值法期刊》

2021 JCR 排名:
34/92 跨学科工程学
29/108 数学

International Journal of Energy Research
《国际能源研究期刊》

2021 JCR 排名:
1/34 核科学与技术
62/119 能源与燃料

人文
与社会科学

- 500+期刊
- 350+学协会合作伙伴
- **330+**种期刊被JCR收录
- 100+种期刊在2020JCR所属学科分类中排名前25%

WILEY

经济学领域期刊亮点

160+种期刊

41家学协会合作伙伴

1种Wiley期刊在学科分类中排名前十

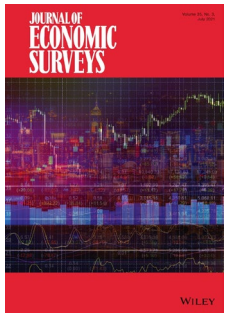
Wiley 是经济学领域世界公认的领先的出版商之一，出版内容覆盖了经济学所有的细分领域。

- 与40多家经济及相关领域的学协会和机构合作，出版了160多种经济学相关期刊，**73**种期刊被JCR收录。
- 2020 年，Wiley发表了 3100余篇文章，收到了 8.7 万多份投稿，内容下载量达到 470 万次。

主要学协会合作伙伴:
计量经济学会(Econometric Society)
皇家经济学会（Royal Economic Society）
农业与应用经济学协会(Agricultural & Applied Economics Association)
国际西部经济学协会（Western Economic Association International）
伦敦经济学院(The London School of Economics)
宾夕法尼亚大学/大阪大学(University of Pennsylvania/Osaka University)
西方经济协会国际(Western Economic Association International)

期刊推荐

经济学



Journal of Economic Surveys
《经济综述期刊》

2021 JCR排名:
83/380 经济学

American Journal of Agricultural Economics
《美国农业经济学期刊》

2021 JCR排名:
68/380 经济学
10/21农业经济学与政策

Econometrica
《计量经济学》

2021 JCR排名:
23/380 经济学
5/108 数学（跨学科应用）
4/53 社会科学（数学方法）
4/125 统计学概率

Real Estate Economics
《不动产经济学》

2021 JCR排名:
43/111 商学（金融）
116/380 经济学
20/42 城市研究

Journal of Agricultural Economics
《农业经济学期刊》

2021 JCR排名:
7/21 农业经济学与政策
81/380 经济学

The Journal of Finance
《金融期刊》

2021 JCR排名:
6/111 商学，金融
15/380 经济学

JCMS - Journal of Common Market Studies
《共同市场研究期刊》

2021 JCR排名:
656//380 经济学
32/96 国际关系
69/187 政策科学

Applied Economics Perspectives and Policy
《应用经济学展望与政策》

2021 JCR排名:
55/380 经济学
4/21农业经济学与政策

商业与管理领域期刊亮点

190+种期刊

23家学协会合作伙伴

18种Wiley期刊在学科分类中排名前十

Wiley 是商业和管理学领域顶尖的出版商，为读者提供由领域内知名专家编写的高质量内容。

- 出版的期刊中有58种期刊被收录JCR中，International Journal of Management Reviews ，该期刊在商学领域排名第二，在管理学领域中排名第三。
- 2020 年，Wiley在该领域发表了近 6000 篇文章，收到了 19600余份稿件，内容下载量达到 1360 万次。

主要学协会合作伙伴:
战略管理协会(Strategic Management Society)
英国管理学院(British Academy of Management)
消费者心理学会(Society of Consumer Psychology)
管理研究促进会(Society for the Advancement of Management Studies)

期刊推荐

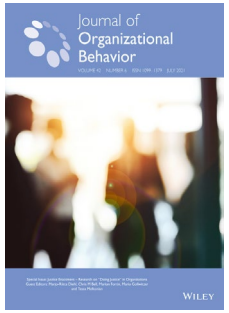
商业与管理

International Journal of Management Reviews
《国际管理评论期刊》

2021 JCR排名:
28/155 商学
31/226 管理学

Global Strategy Journal
《全球战略期刊》

2021 JCR排名:
50/226 管理学

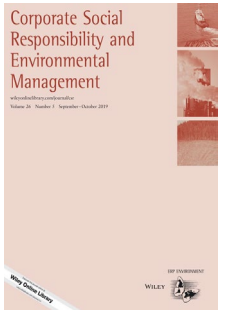


Journal of Organizational Behavior
《机构行为管理期刊》

2021 JCR排名:
22/155 商学
19/226 管理学
5/83 心理学（应用）

Strategic Entrepreneurship Journal
《战略创业期刊》

2021 JCR排名:
64/155 商学
78/226 管理学



Corporate Social Responsibility & Environmental Management
《法人社会责任与环境管理》

2021 JCR排名:
33/155 商学
12/127 环境研究
37/226 管理学

Strategic Management Journal
《战略管理期刊》

2021 JCR排名:
38/155 商务
44/226 管理学

Journal of Supply Chain Management
《批量供应连锁店管理期刊》

2021 JCR排名:
41/226 管理学

Business Strategy and the Environment
《工商战略与环境》

2021 JCR 排名:
9/155 商务
7/127 环境研究
16/226 管理学

会计与金融学领域期刊亮点


80+种期刊


19家学协会合作伙伴


1种Wiley期刊在学科分类中排名前十

Wiley 是会计学和金融学领域全球公认的期刊和图书领先出版商之一，Wiley的出版物覆盖了该领域的所有子学科。

- Wiley在会计与金融领域内出版超过80本期刊，其32种期刊被2020 JCR收录。
- 2020 年，Wiley在该领域出版了1200余篇文章，收到了 4400多份投稿，文章下载量达到 461 万次。

主要学协会合作伙伴:
美国金融协会(American Finance Association)
芝加哥大学布斯商学院会计研究中心(The Accounting Research Center at the University of Chicago Booth School of Business)
国际财务管理协会(Financial Management Association International)
美国风险和保险协会(American Risk and Insurance Association)
加拿大学术会计协会(Canadian Academic Accounting Association)

期刊推荐

会计与金融学

The Journal of Finance
《金融期刊》

2021 JCR排名:
6/111 商业金融
15/380 经济学

Financial Management
《财务管理》

2021 JCR排名:
40/111 商业金融

Contemporary Accounting Research
《当代会计研究》

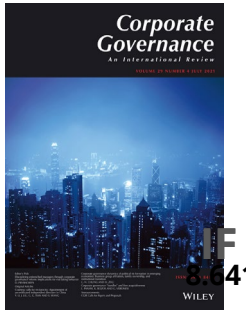
2021 JCR排名:
29/11 商业金融

Journal of Accounting Research
《会计研究期刊》

2021 JCR排名:
22/111 商业金融

Accounting & Finance
《会计与财务》

2021 JCR排名:
61/111 商业金融



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Corporate Governance: An International Review
《公司管理—国际评论》

2021 JCR排名:
12/111 商业金融
83/226 管理学
65/154 商业

Real Estate Economics
《不动产经济学》

2021 JCR排名:
43/111 商业金融
116/380 经济学
20/42 城市研究

International Journal of Finance & Economics
《国际金融与经济学期刊》

2021 JCR排名:
34/111 商业金融

化学领域期刊亮点

80+种期刊被2020JCR收录

40+家学协会合作伙伴

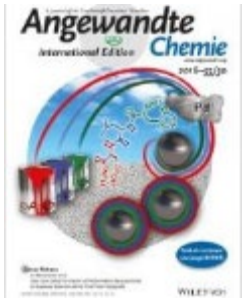
14种Wiley期刊在JCR学科分类中排名前25%

- Wiley与全球领先的化学学协会合作以发表最高质量的研究成果，在85个化学的细分领域中发表超26000篇文章。

主要的学协会合作伙伴：
化学工业协会（SCI）
法国化学会（Société Chimique de France ）
欧洲化学会 （ChemPubSoc Europe ）
德国化学会（Gesellschaft Deutscher Chemiker ）
亚太地区主要学协会合作伙伴:
日本化学会（The Chemical Society of Japan）
中国化学会（Chinese Chemical Society ）
亚洲化学编辑学会（Asian Chemical Editorial Society ）

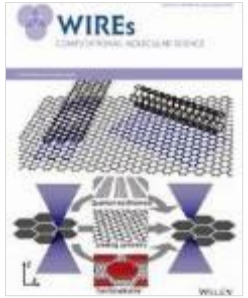
期刊推荐

化学



Angewandte Chemie International Edition
《应用化学国际版》

2021 JCR 排名:
15/179 多学科化学



Wiley Interdisciplinary Reviews – Computational Molecular Science
《Wiley 跨学科评论:分子信息科学》

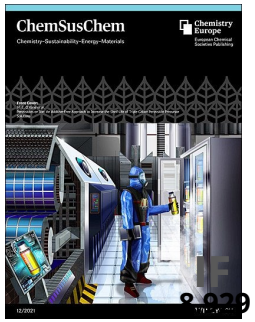
2021 JCR 排名:
21/180 多学科化学
2/57 数学与计算生物学

Mass Spectrometry Reviews
《质谱学评论》

2021 JCR 排名:
3/43 光谱

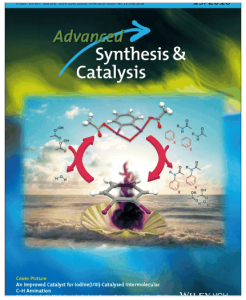
Medicinal Research Reviews
《医药研究评论》

2021 JCR 排名:
2/63 药物化学
11/279 药学与药理学



ChemSusChem
《可持续发展化学》

2021 JCR 排名:
30/180 多学科化学
11/47 绿色和可持续科技



Advanced Synthesis & Catalysis
《高级合成与催化》

2021 JCR 排名:
13/72 应用化学
6/57 有机化学

Chemistry – A European Journal
《化学：欧洲期刊》

2021 JCR 排名:
64/180 多学科化学

ChemCatChem
《催化化学》

2020 JCR 排名:
62/163 物理化学

高分子和材料科学领域期刊亮点

29种期刊被2020JCR收录

10家学协会合作伙伴

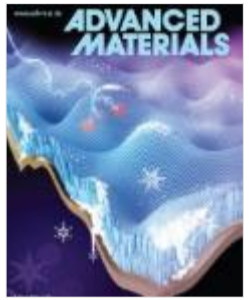
9种Wiley期刊在JCR学科分类中排名前25%

- 该领域内容涵盖生物材料、纳米科学与技术、医疗材料、功能材料、陶瓷学、功能材料、复合材料、结晶学、膜科学与技术、光学与光子等。

主要学协会合作伙伴：
生物材料学会（Society for Biomaterials）
塑料工程师学会（Society of Plastics Engineers）
美国陶瓷学会(American Ceramic Society)
奥地利冶金与材料学会（The Austrian Society for Metallurgy and Materials）

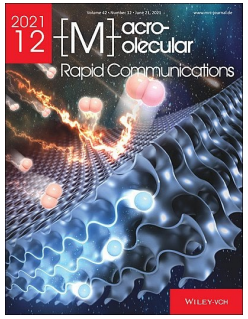
期刊推荐

高分子和材料科学



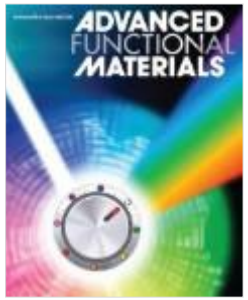
Advanced Materials
《先进材料》

2021 JCR 排名:
3/109 纳米科学与纳米技术
8/345 材料科学，多学科
2/69 凝聚态物理
5/179 化学 ，多学科



Macromolecular Rapid Communications
《大分子快讯》

2021 JCR 排名:
15/90 高分子科学



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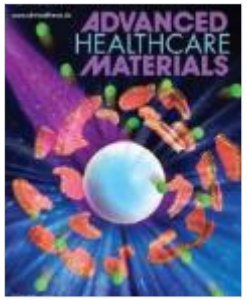

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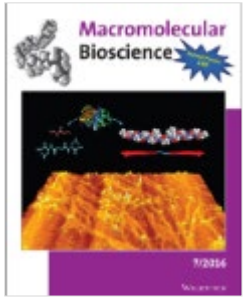

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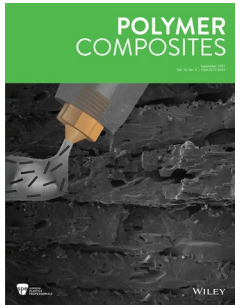

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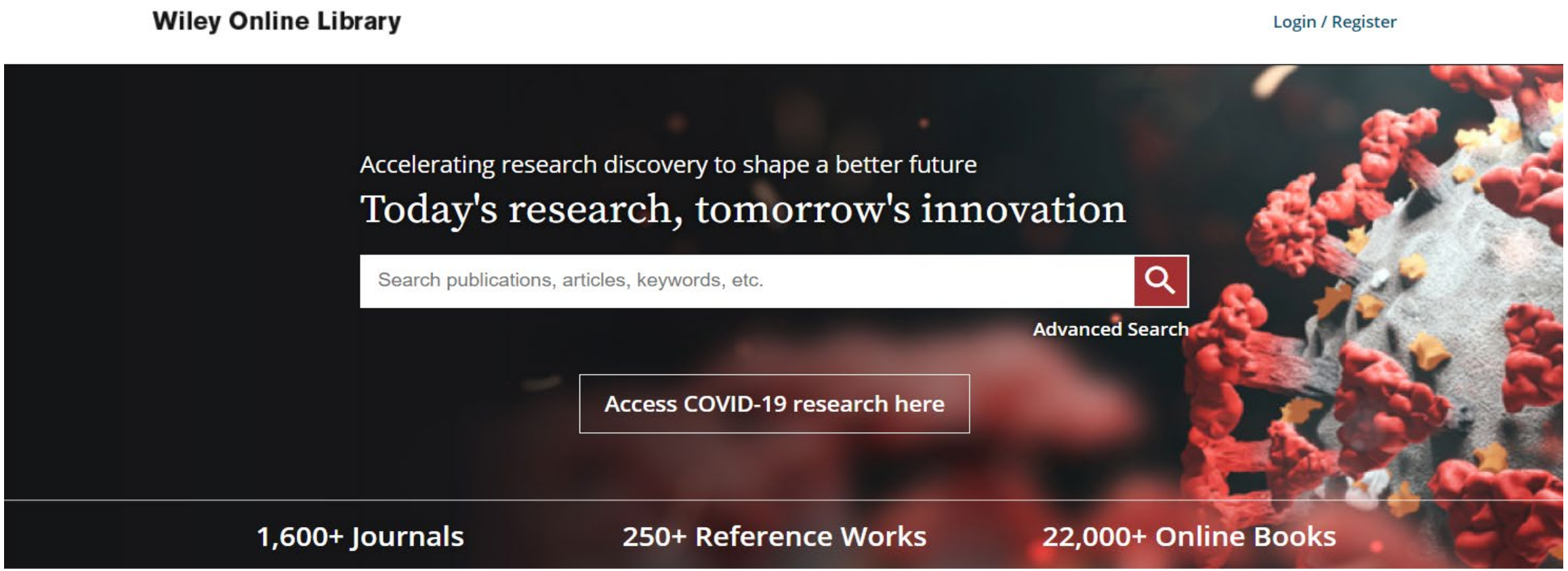

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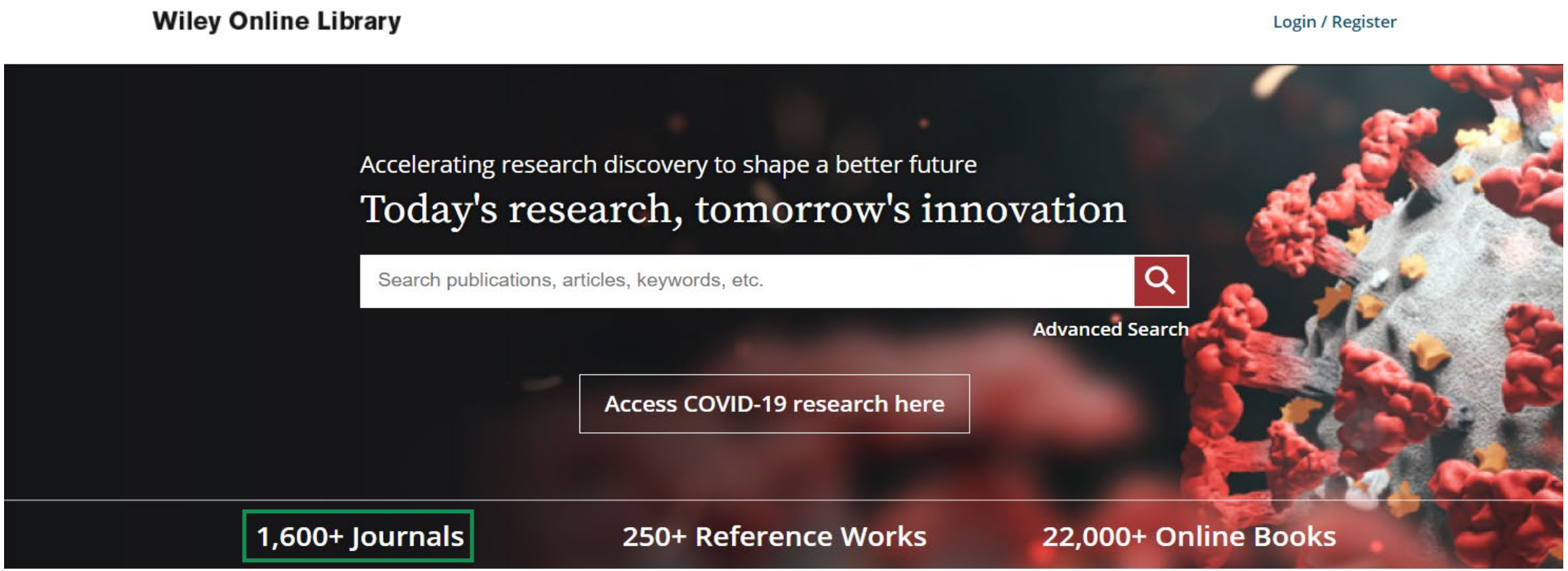

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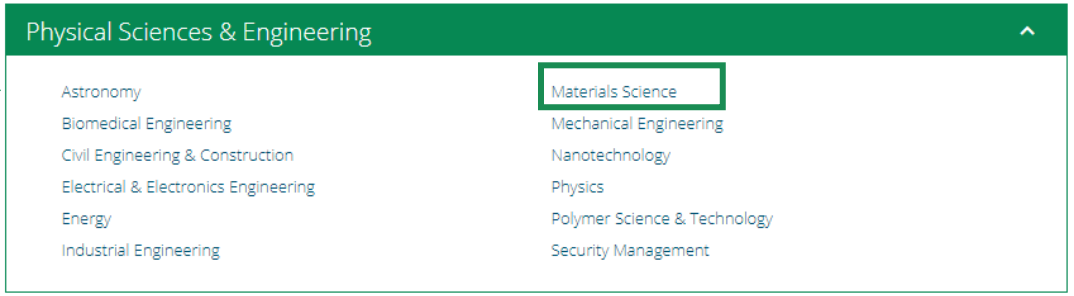

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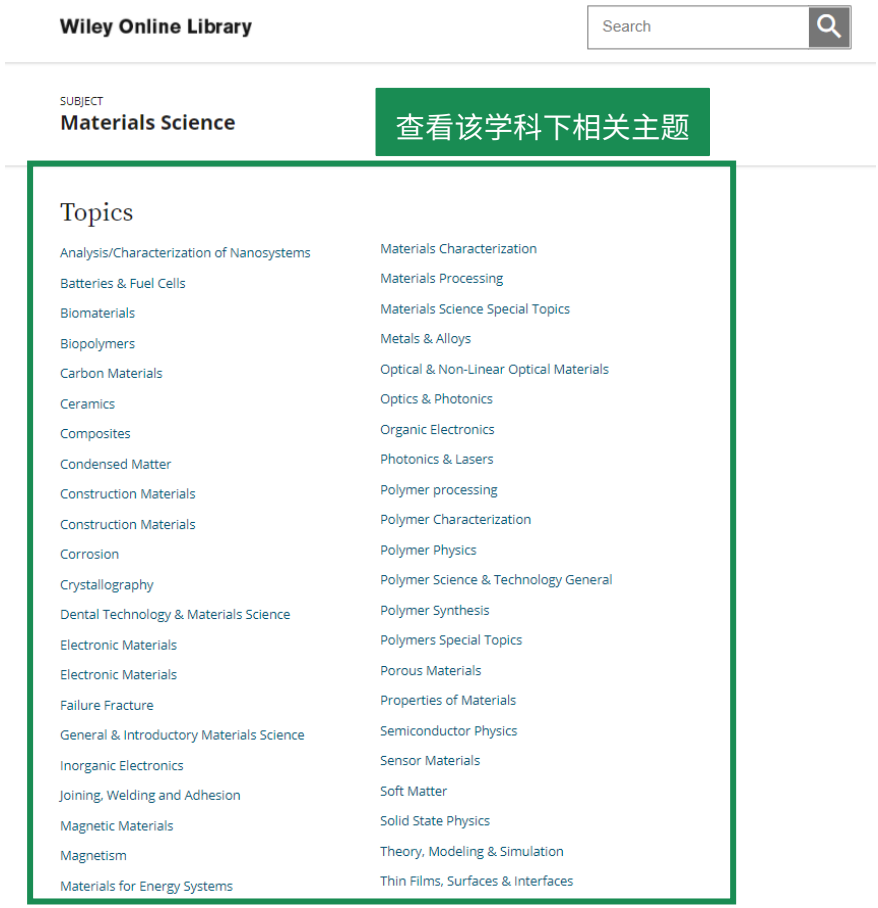

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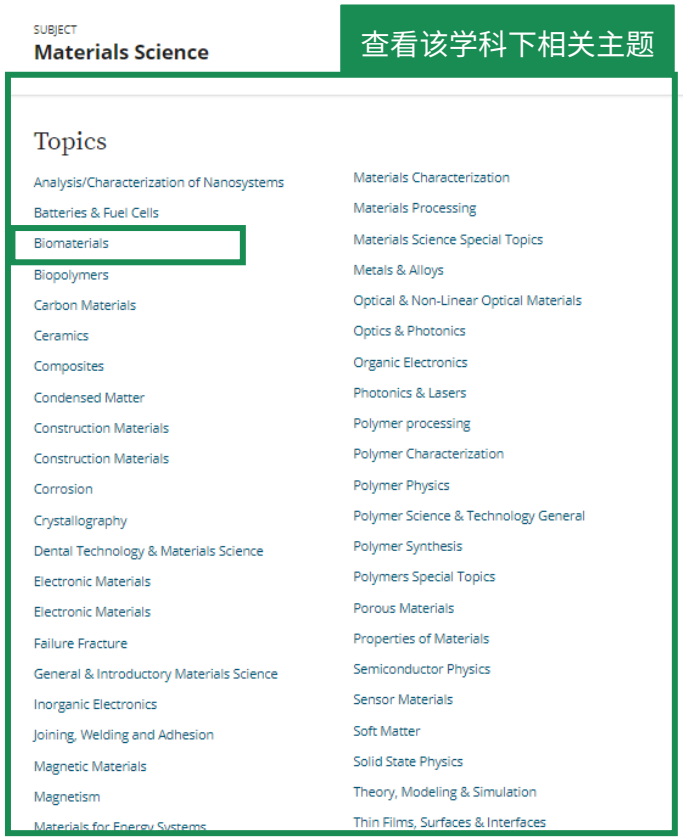
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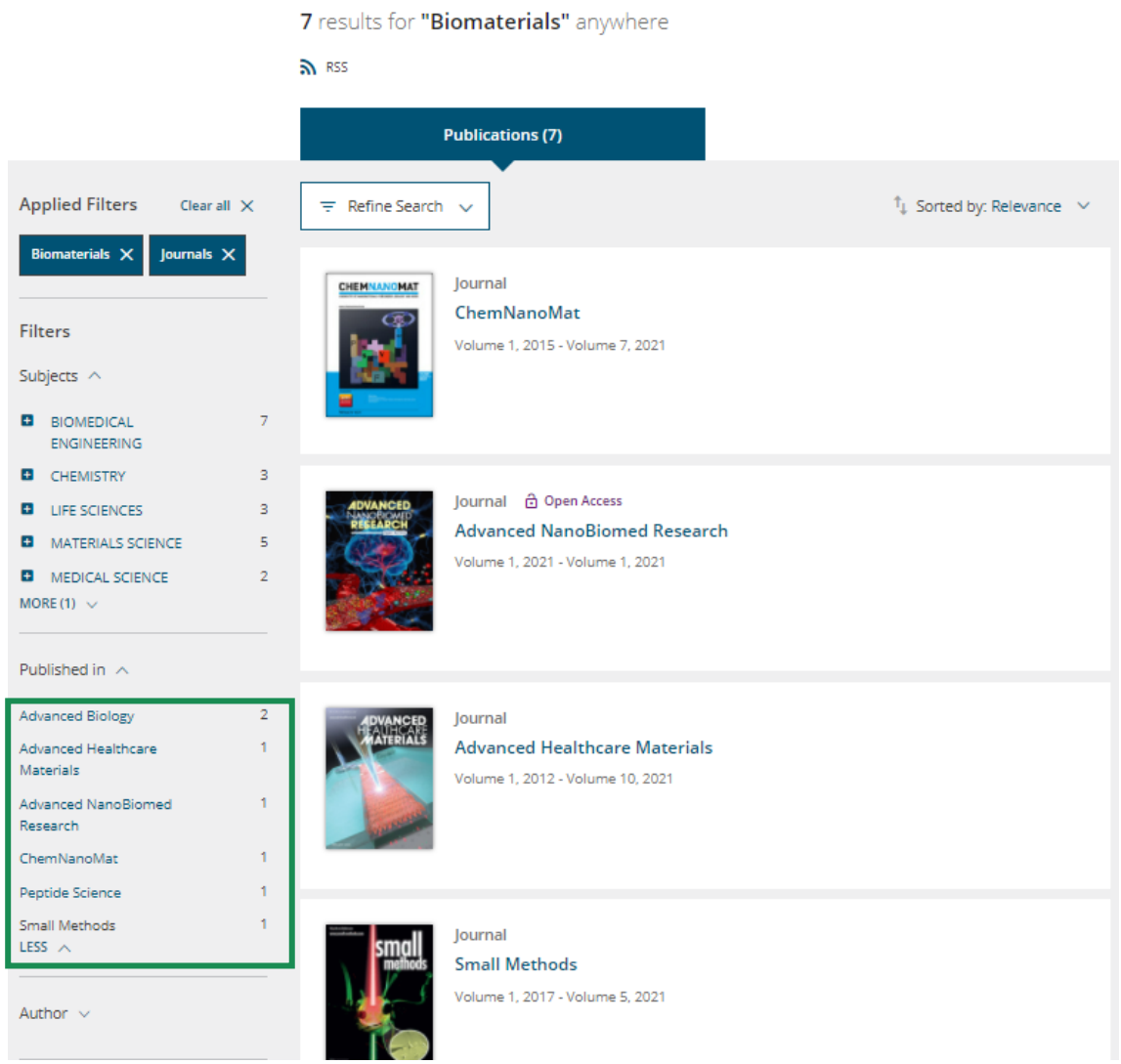
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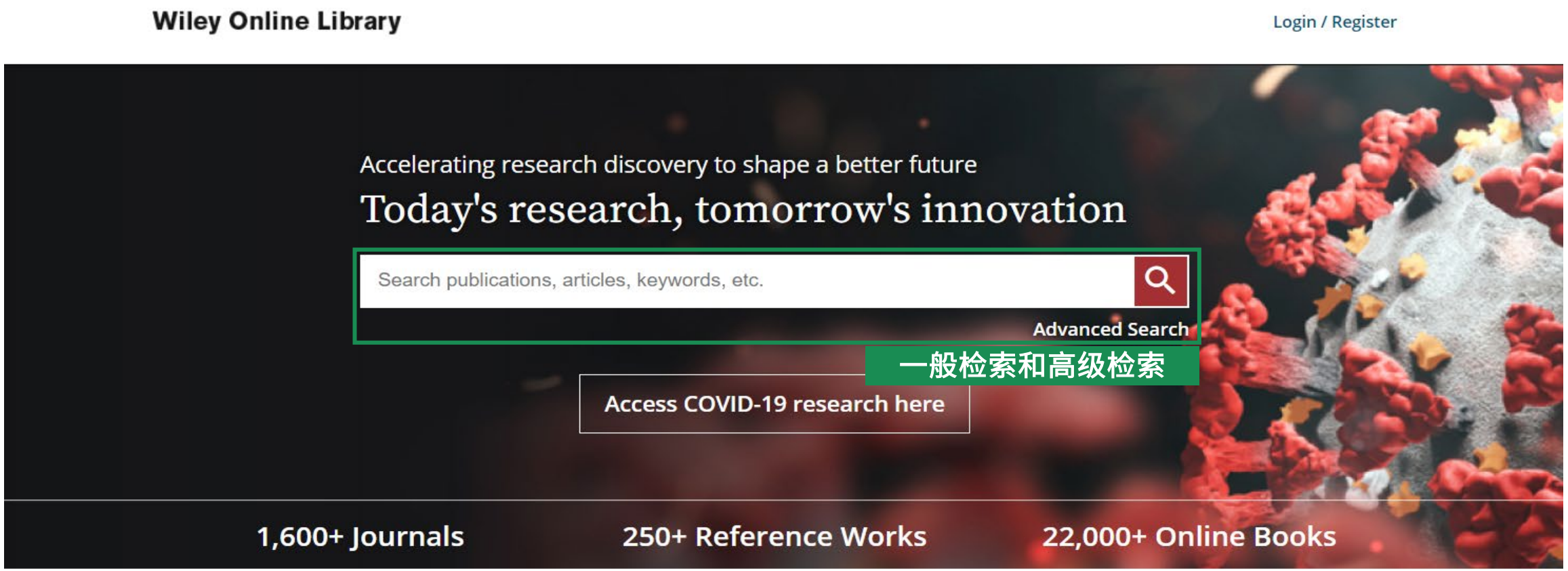

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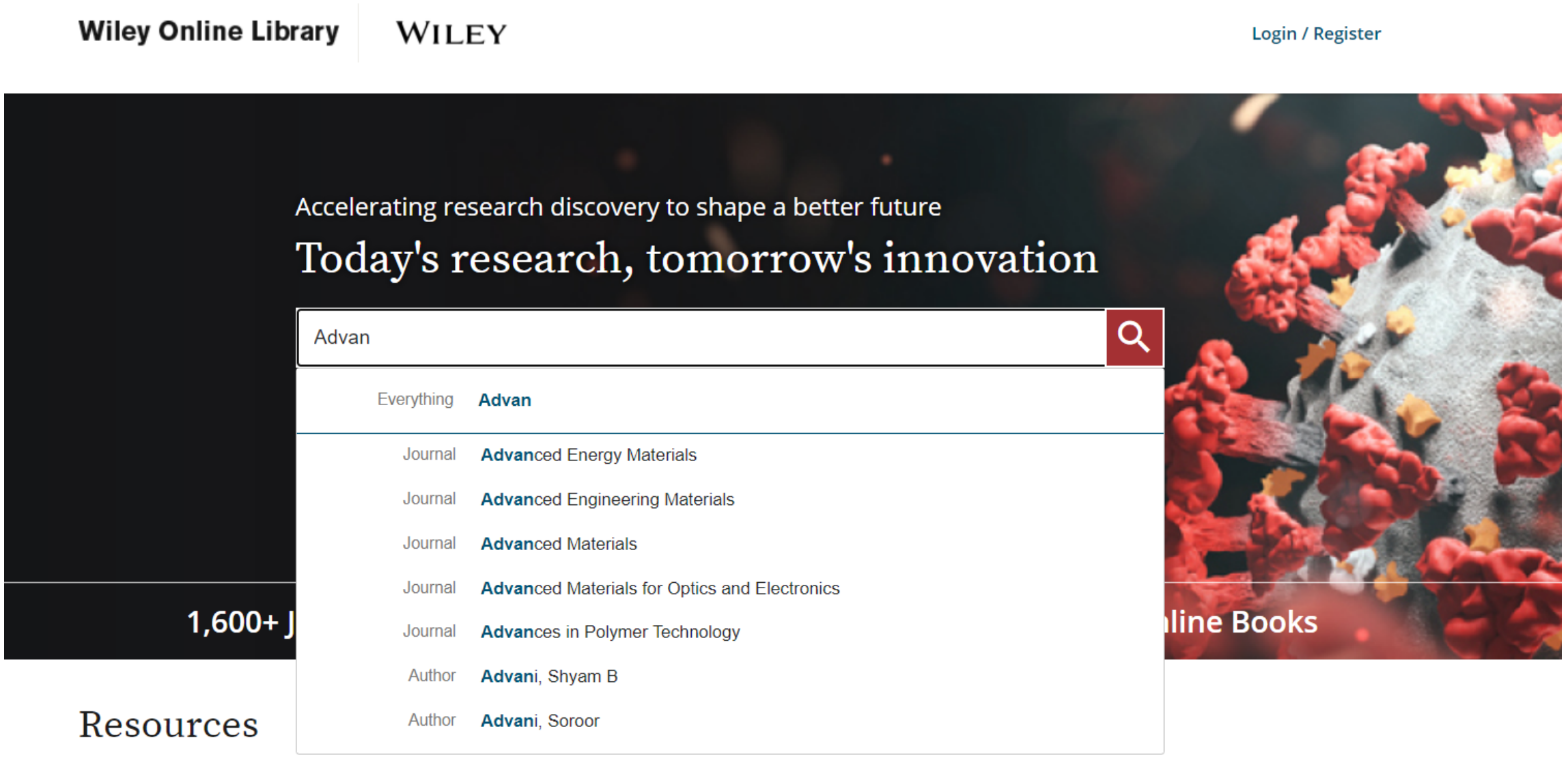

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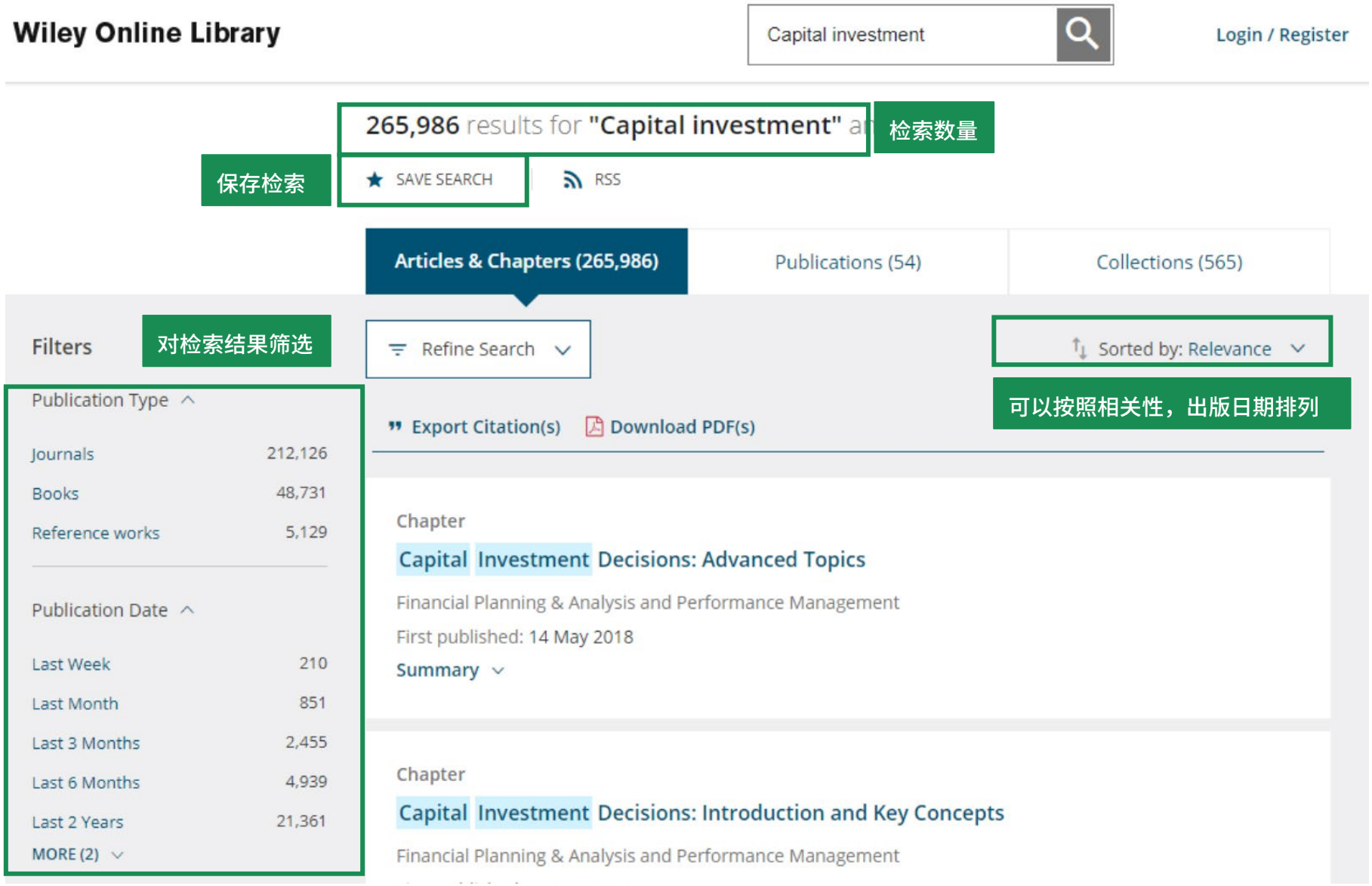

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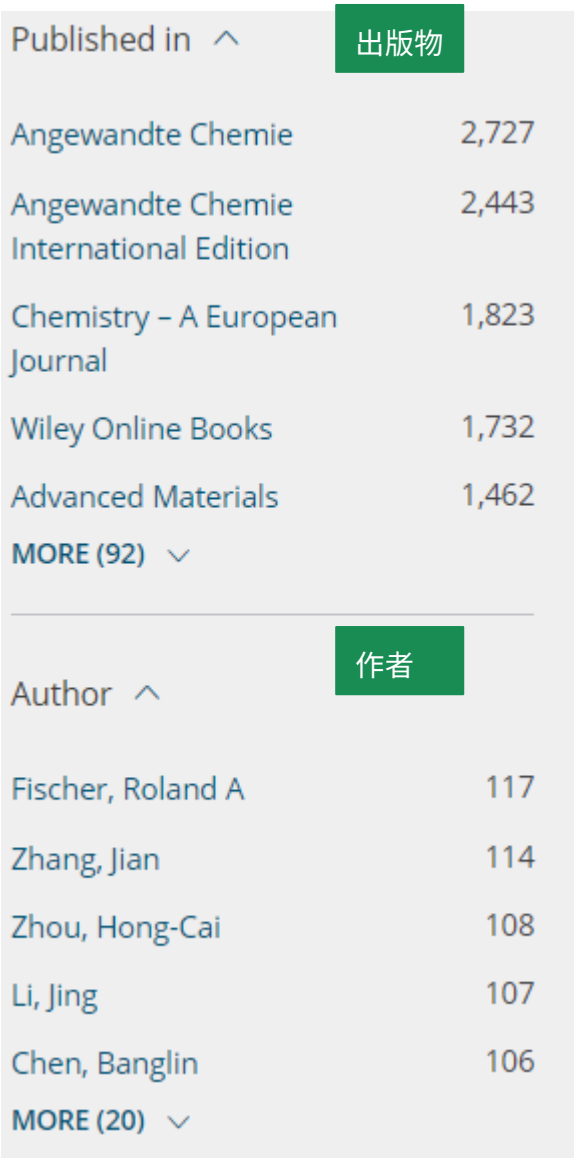

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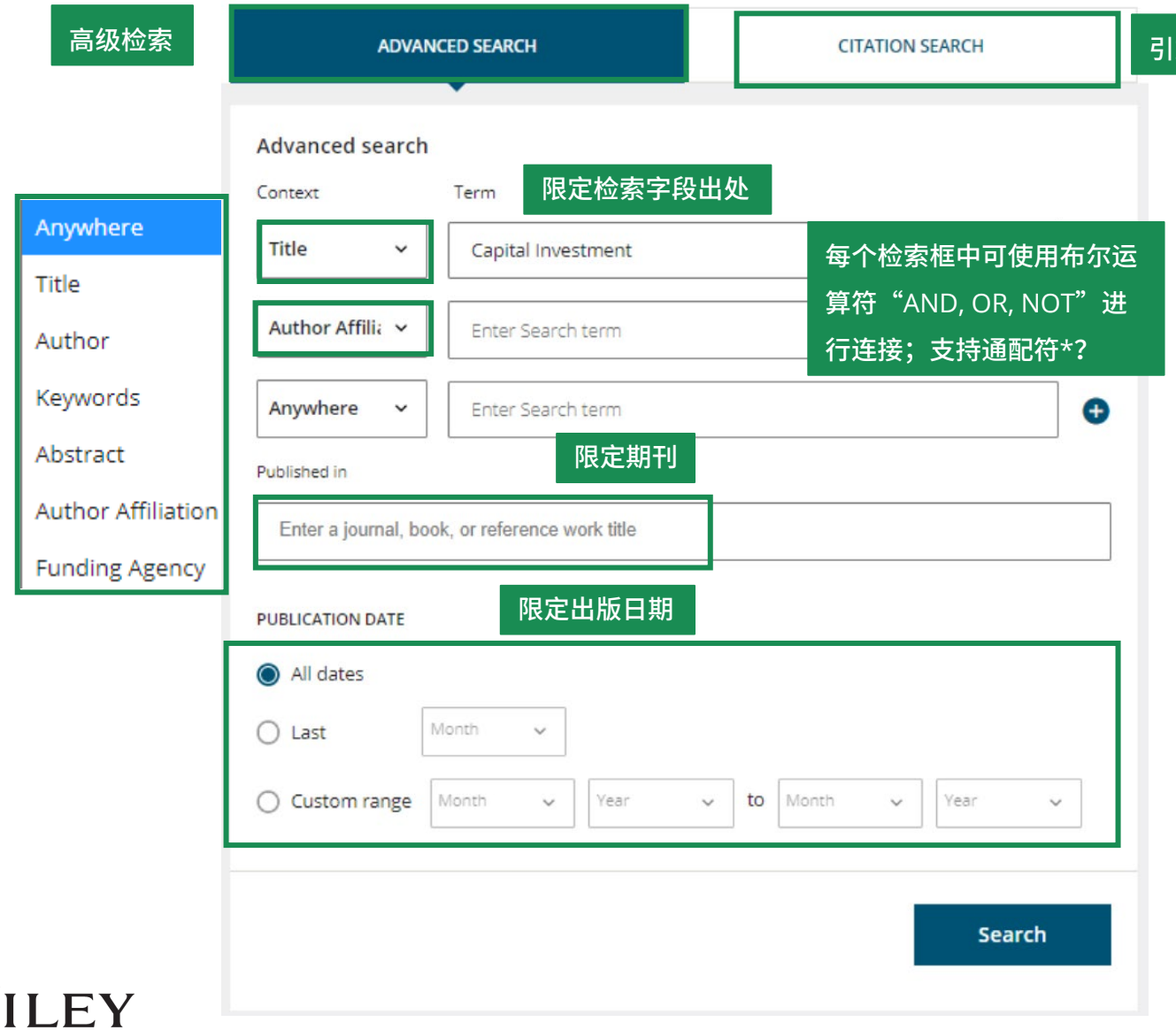

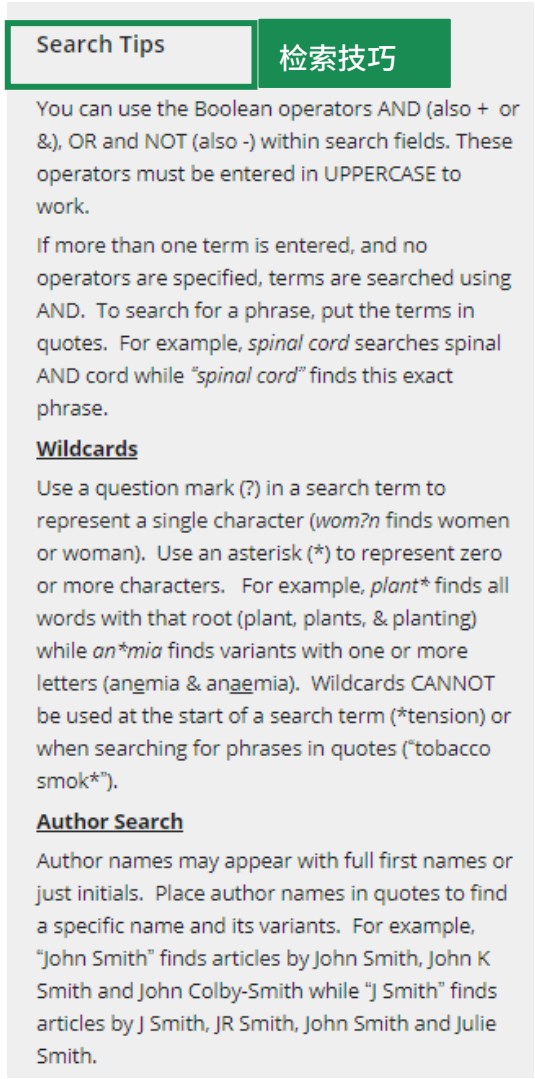

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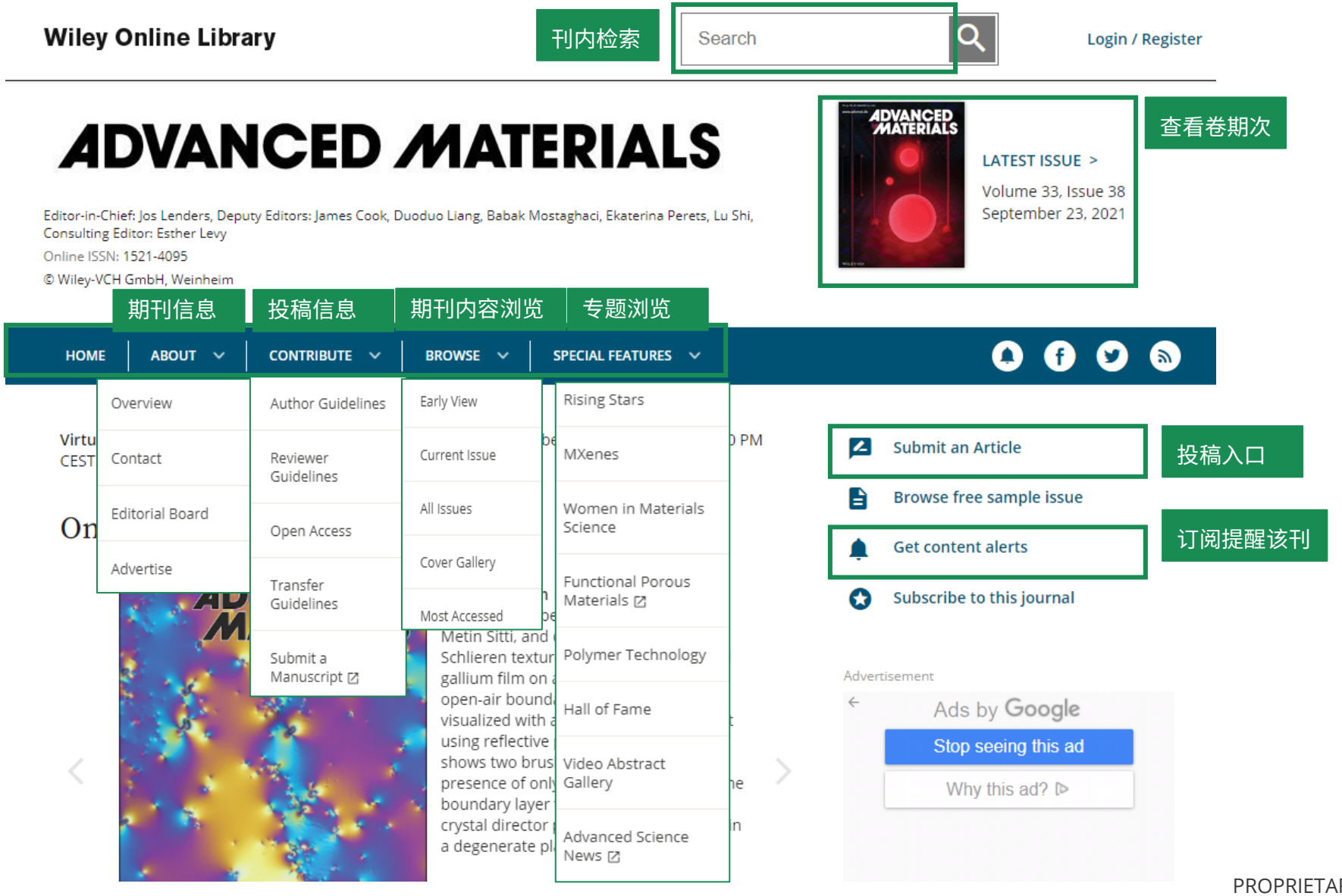

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Koki Taguchi, Takafumi Uemura, Naoko Namba, Andreas Petritz, Teppei Araki, Masahiro Sugiyama, Barbara Stadlober, Tsuyoshi Sekitani

First published: 21 September 2021 | https://doi.org/10.1002/adma.202104446

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Flexible electronics have gained considerable attention for application in wearable devices. Organic transistors are potential candidates to develop flexible integrated circuits (ICs). A primary technique for maximizing their reliability, gain, and operation speed is the modulation of charge-carrier behavior in the respective transistors fabricated on the same substrate. In this work, heterogeneous functional dielectric patterns (HFDP) of ultrathin polymer gate dielectrics of poly((±)endo,exo-bicyclo[2.2.1]hept-ene-2,3-dicarboxylic acid, diphenylester) (PNDPE) are introduced. The HFDP that are obtained via the photo-Fries rearrangement by ultraviolet radiation in the homogeneous PNDPE provide a functional area for charge-carrier modulation. This leads to programmable threshold voltage control over a wide range (−1.5 to +0.2 V) in the transistors with a high patterning resolution, at 2 V operational voltage. The transistors also exhibit high operational stability over 140 days and under the bias-stress duration of 1800 s. With the HFDP, the performance metrics of ICs, for example, the noise margin and gain of the zero-V_{GS} load inverters and the oscillation frequency of ring oscillators are improved to 80%, 1200, and 2.5 kHz, respectively, which are the highest among the previously reported zero-V_{GS}-based organic circuits. The HFDP can be applied to much complex and ultraflexible ICs.

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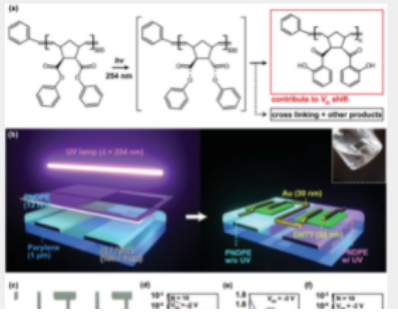

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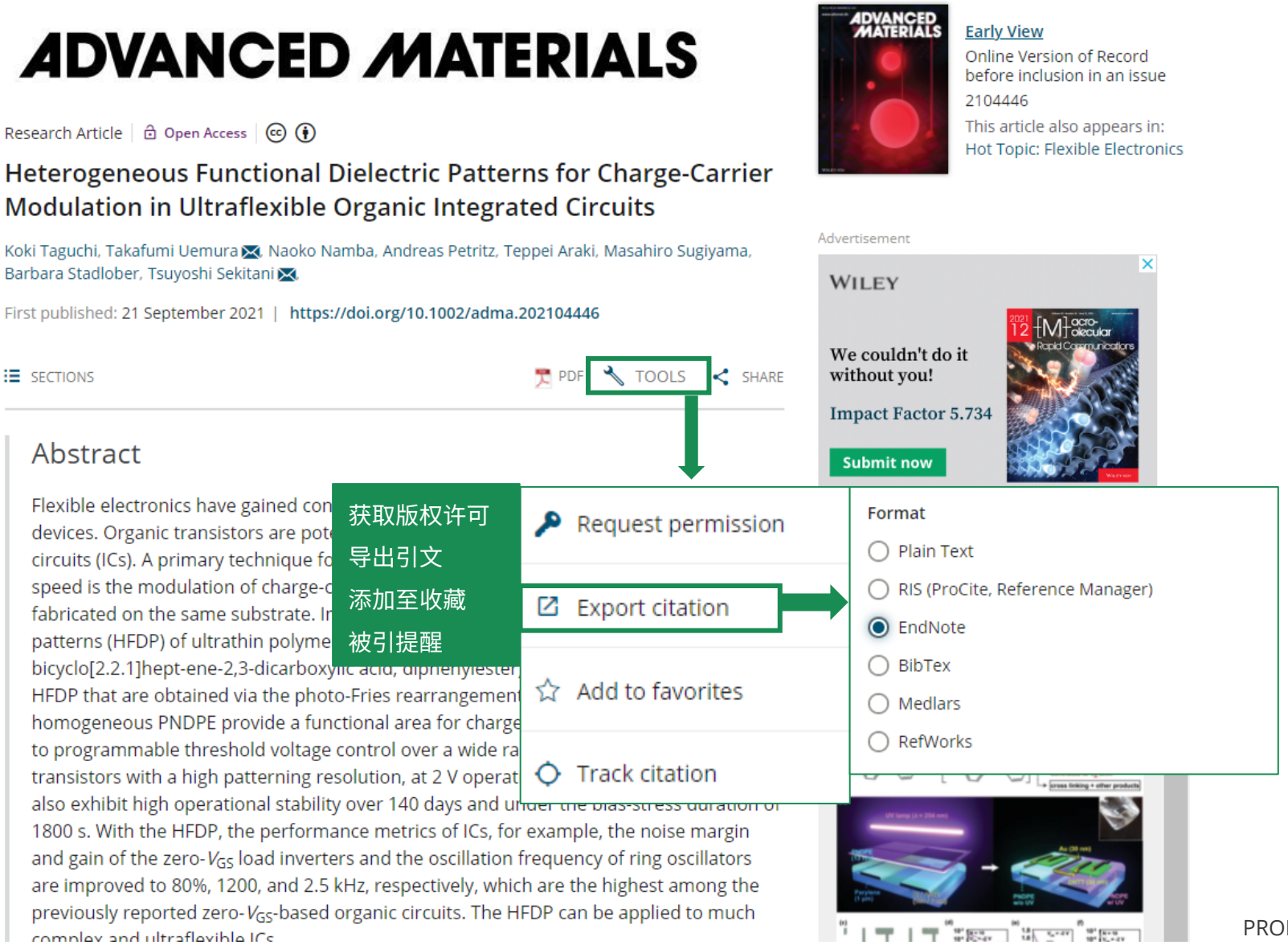
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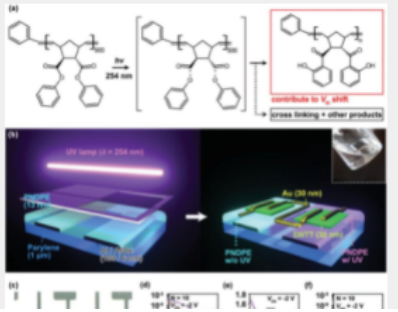

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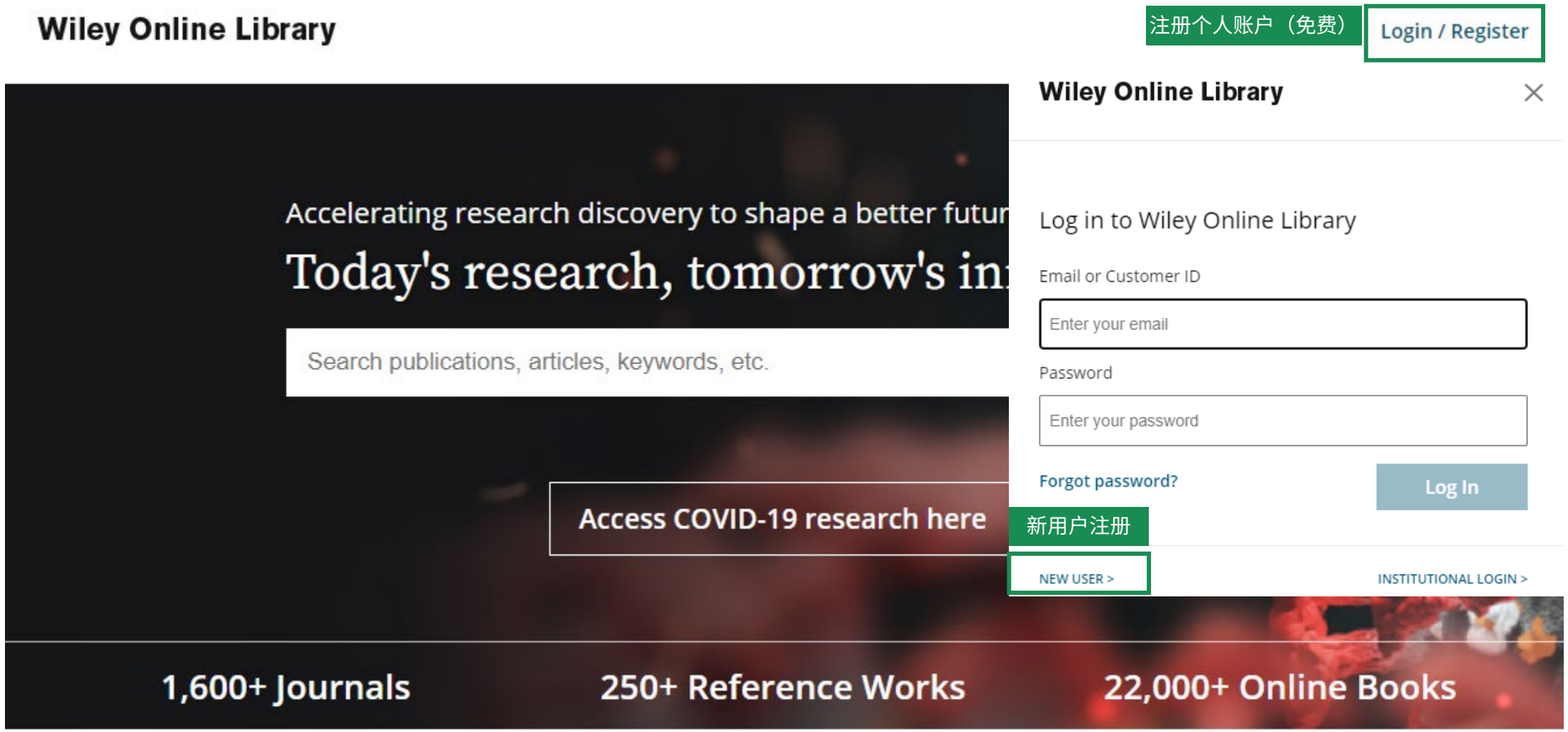

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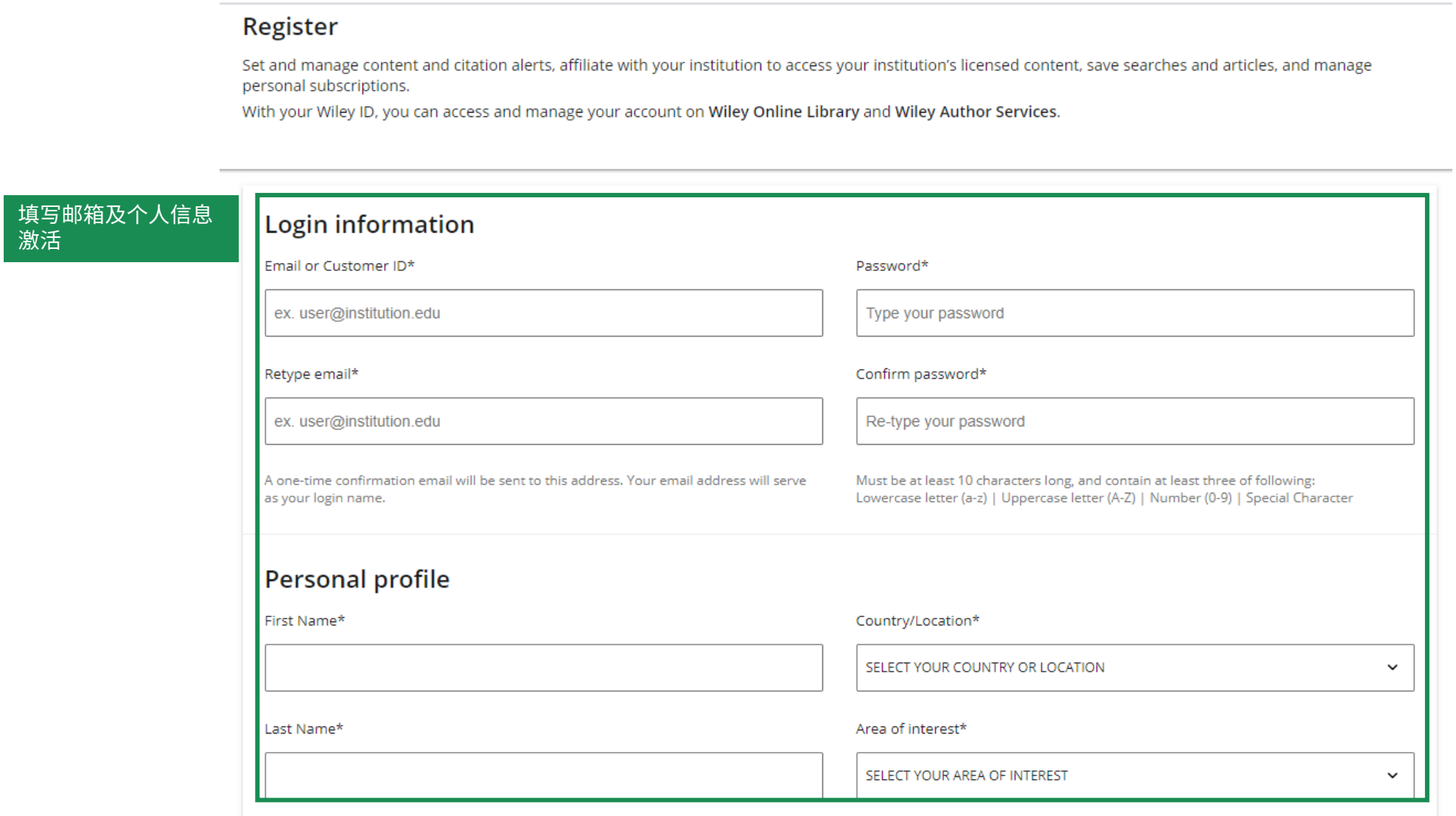

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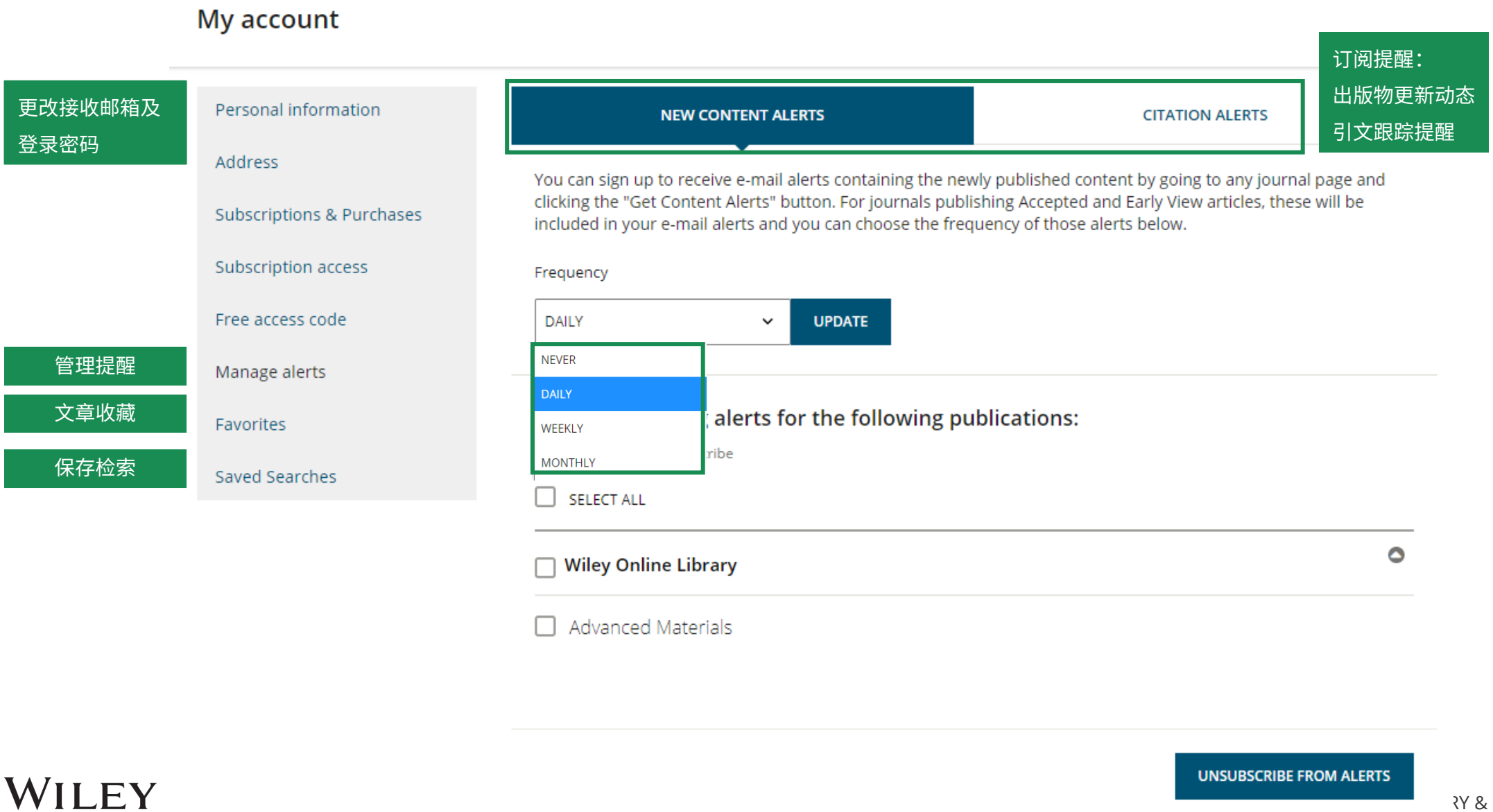
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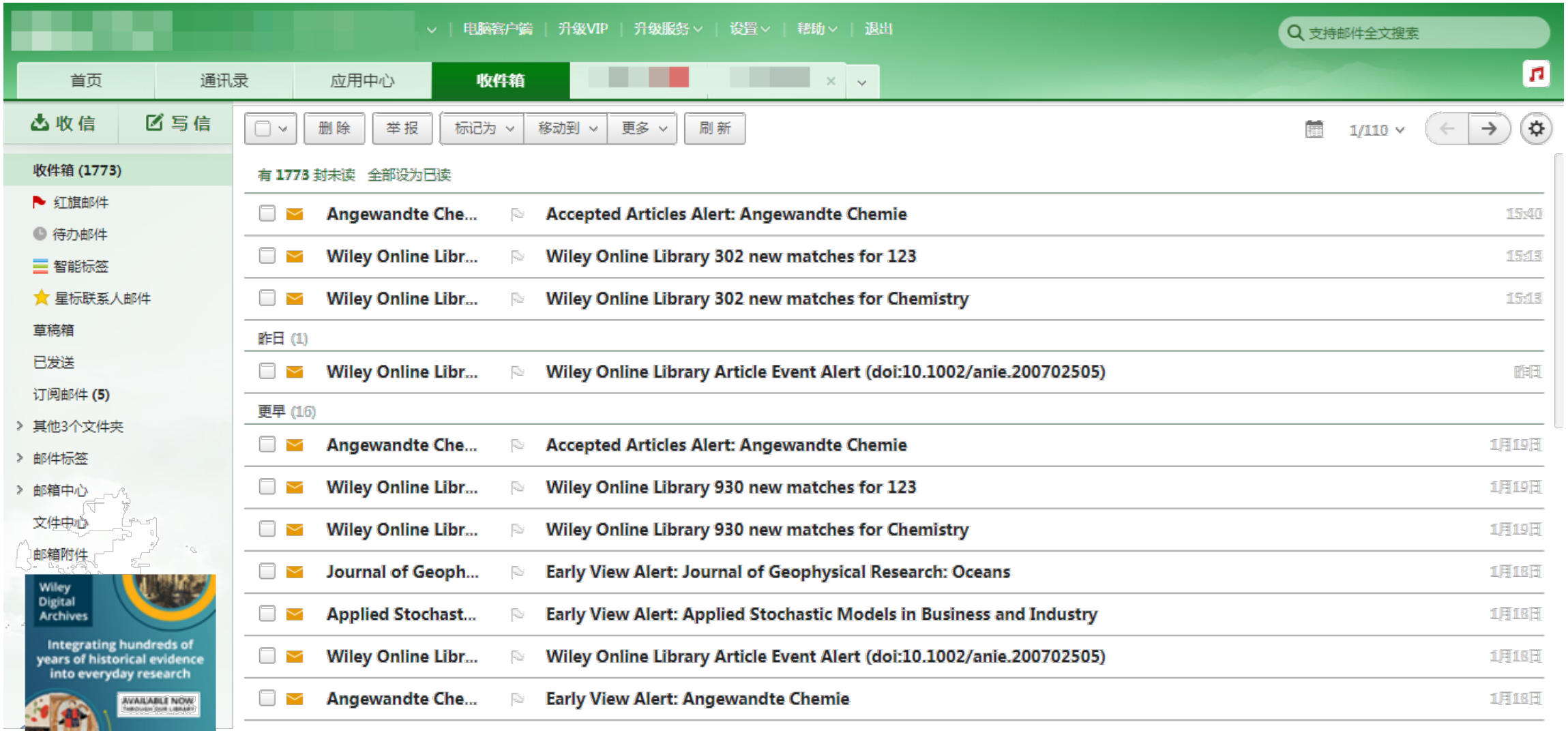
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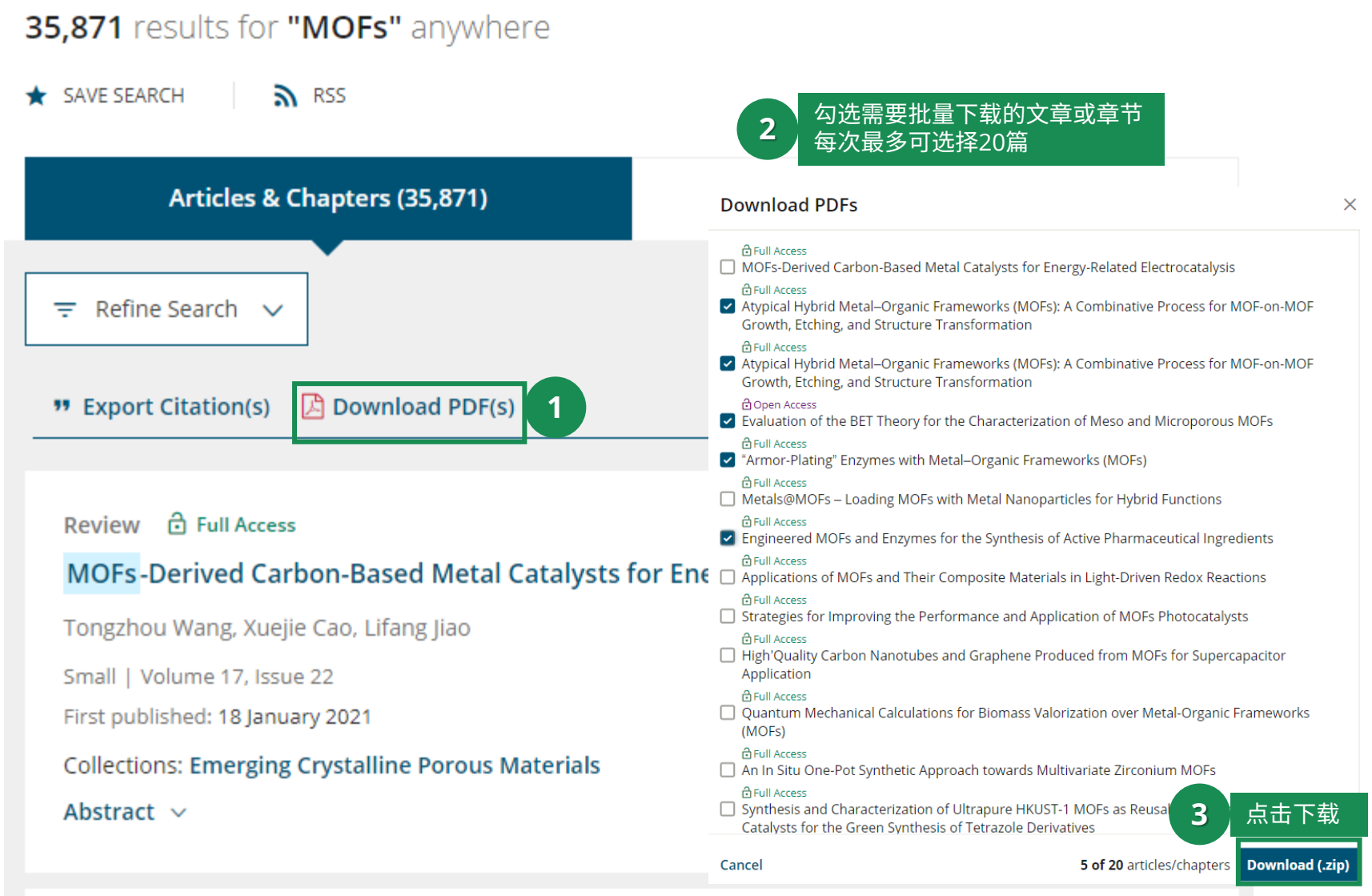

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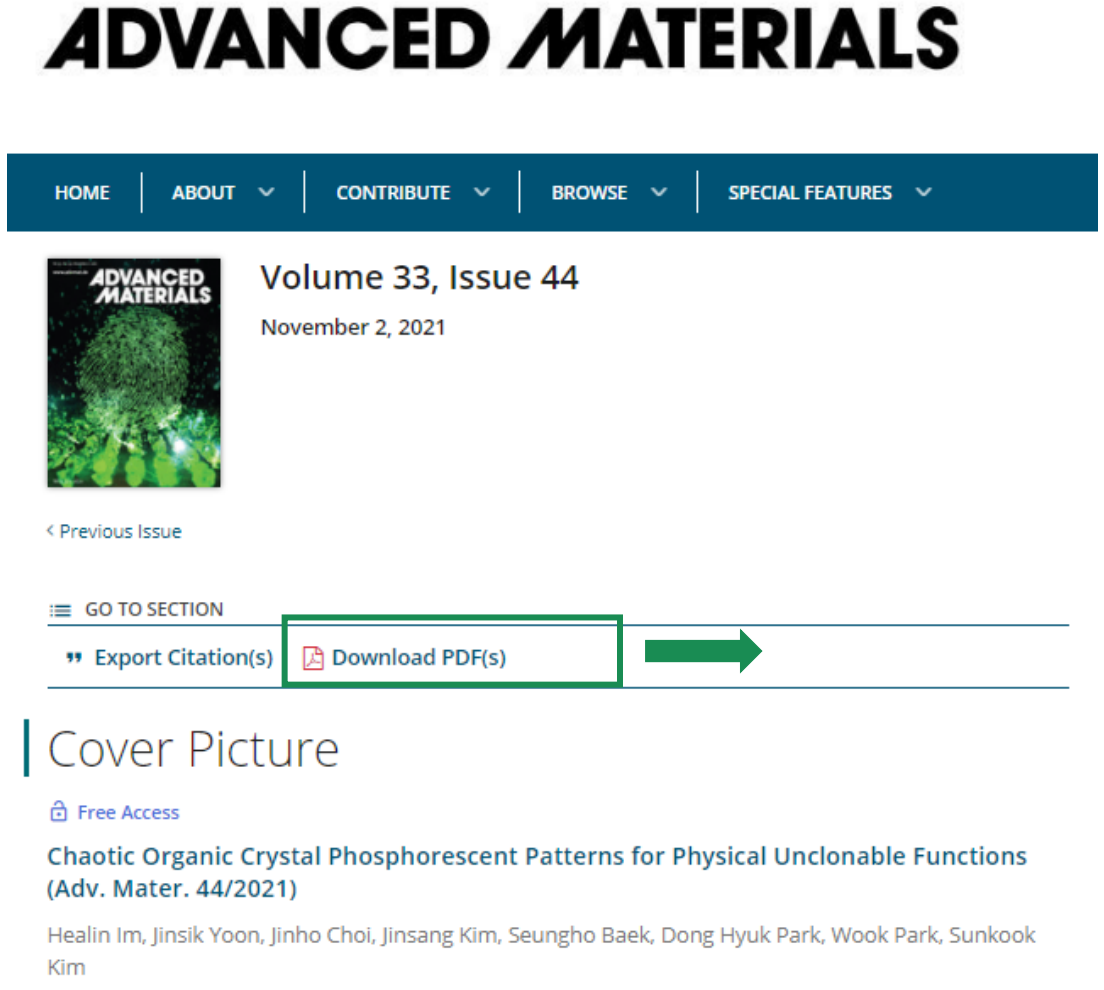

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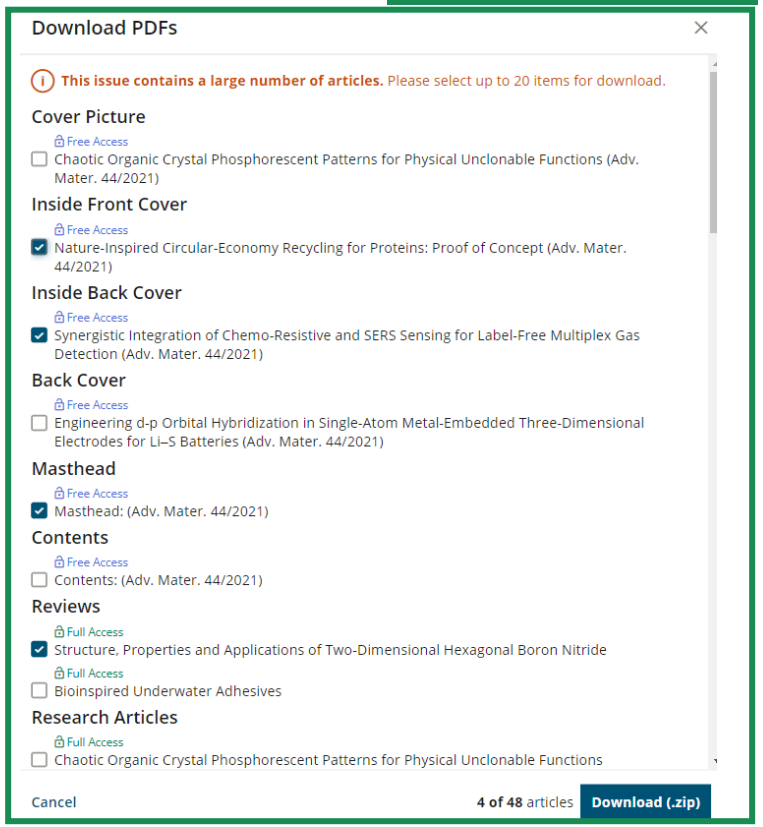

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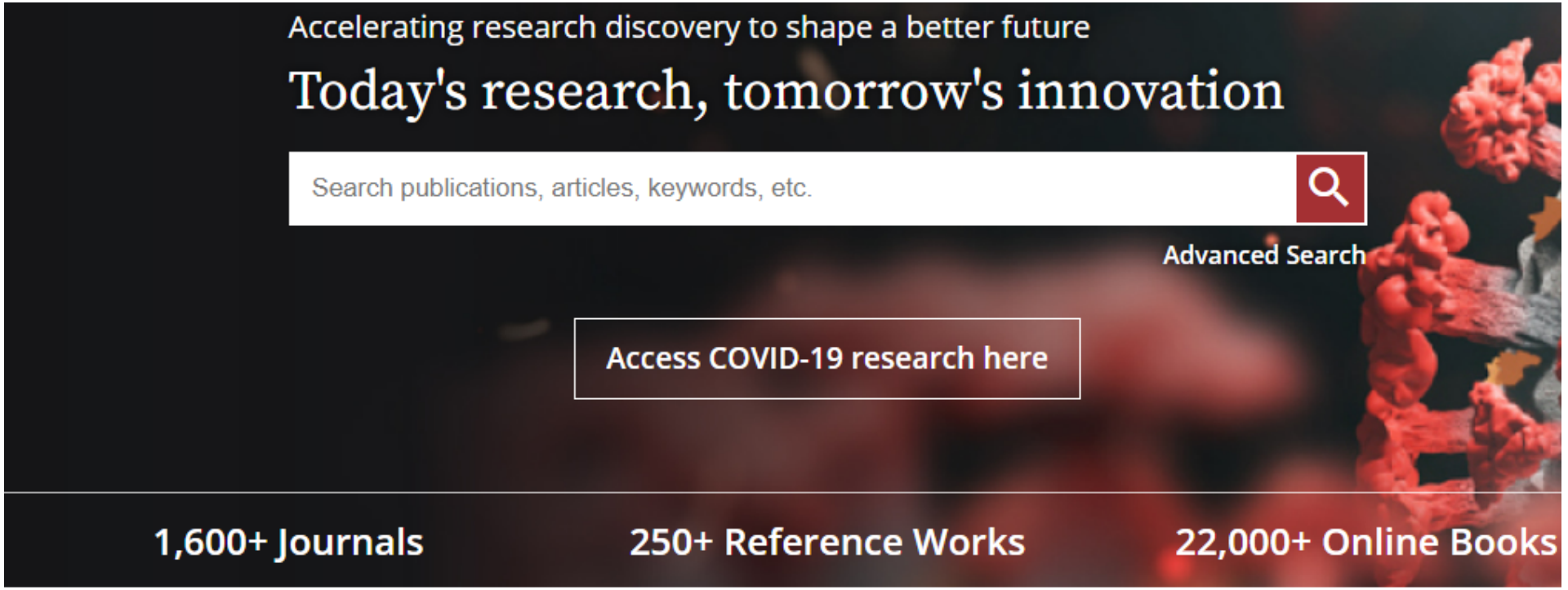

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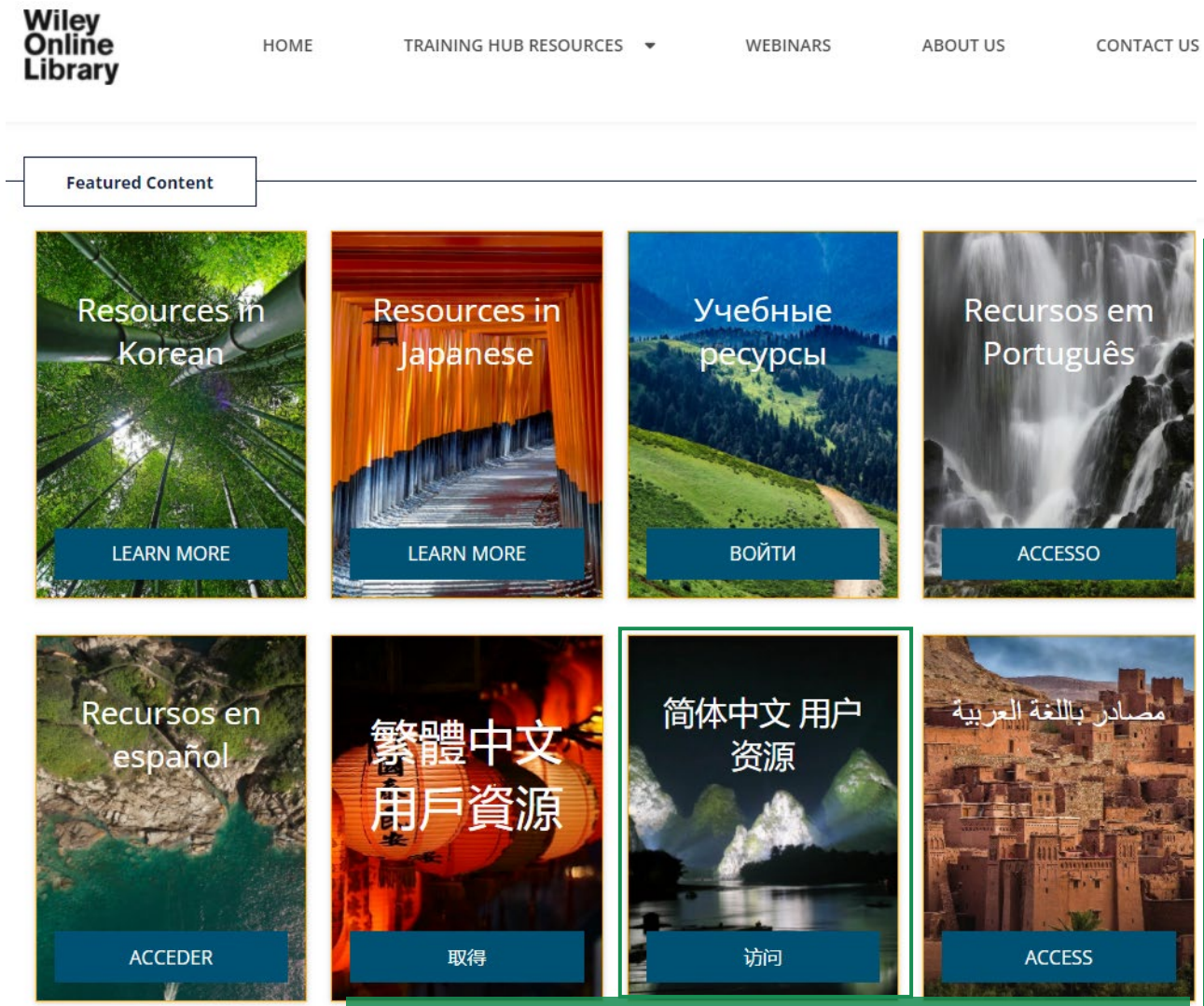

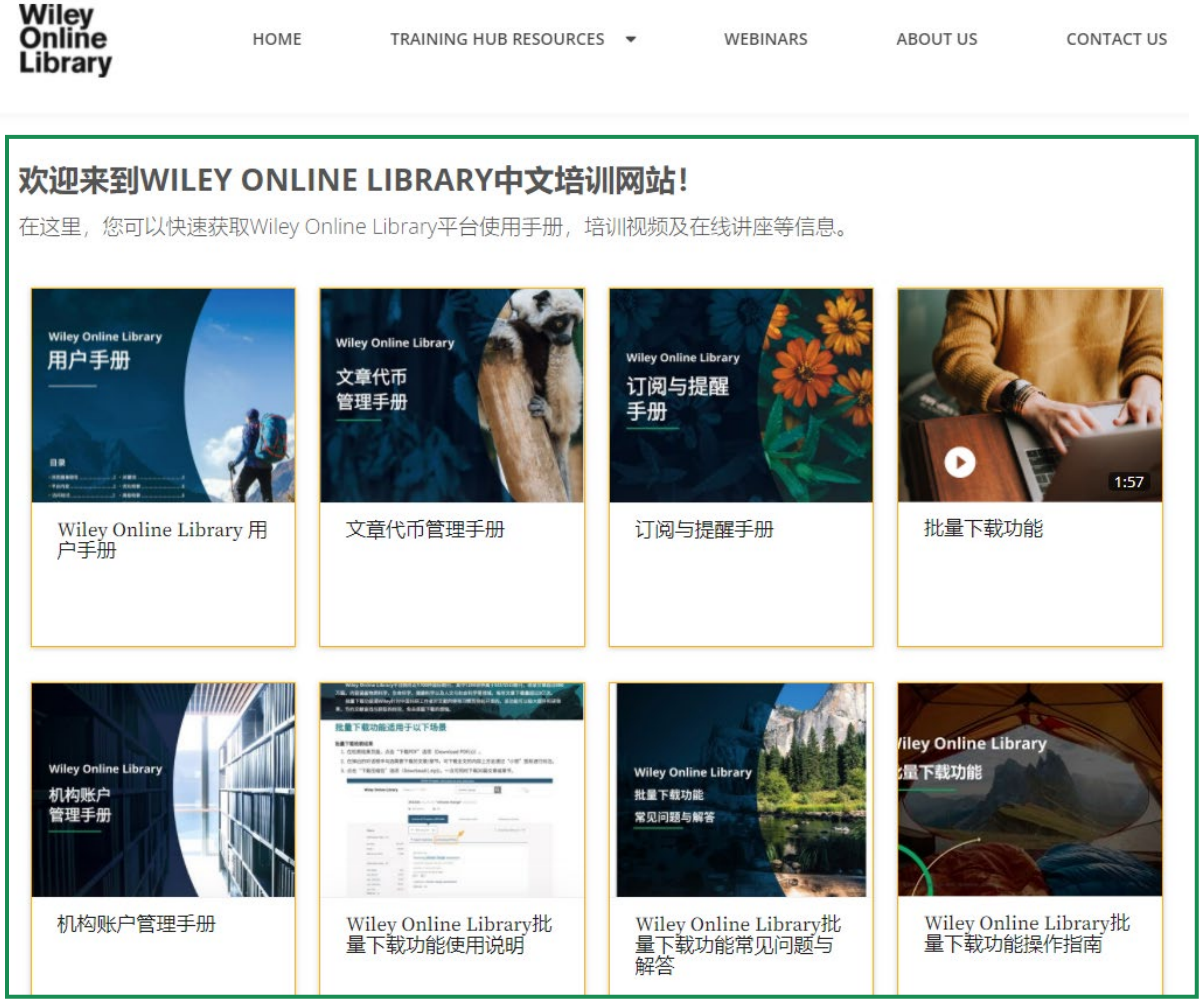

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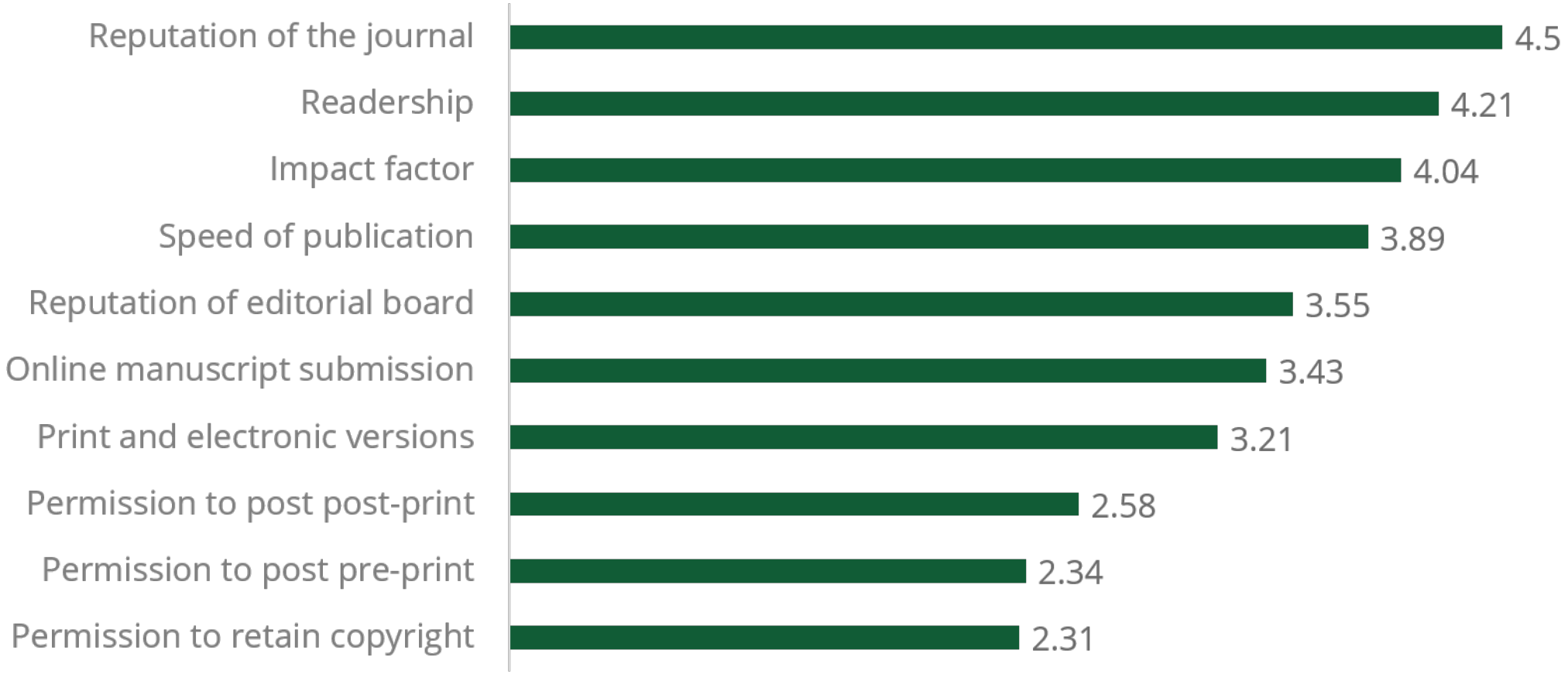

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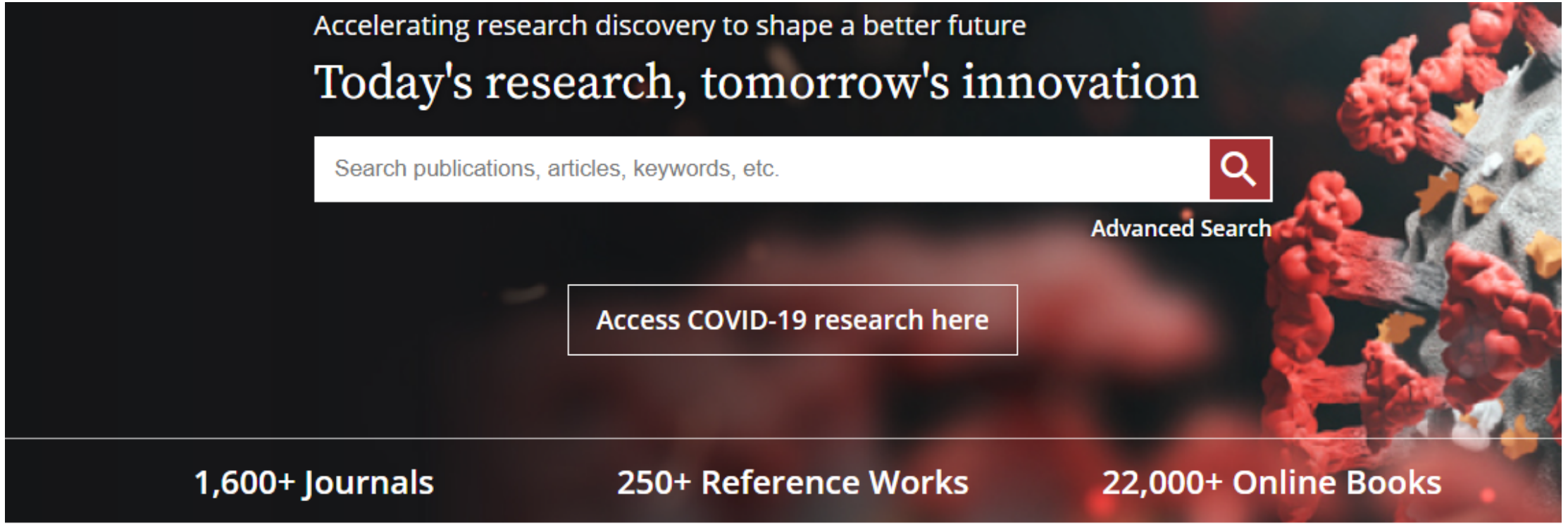

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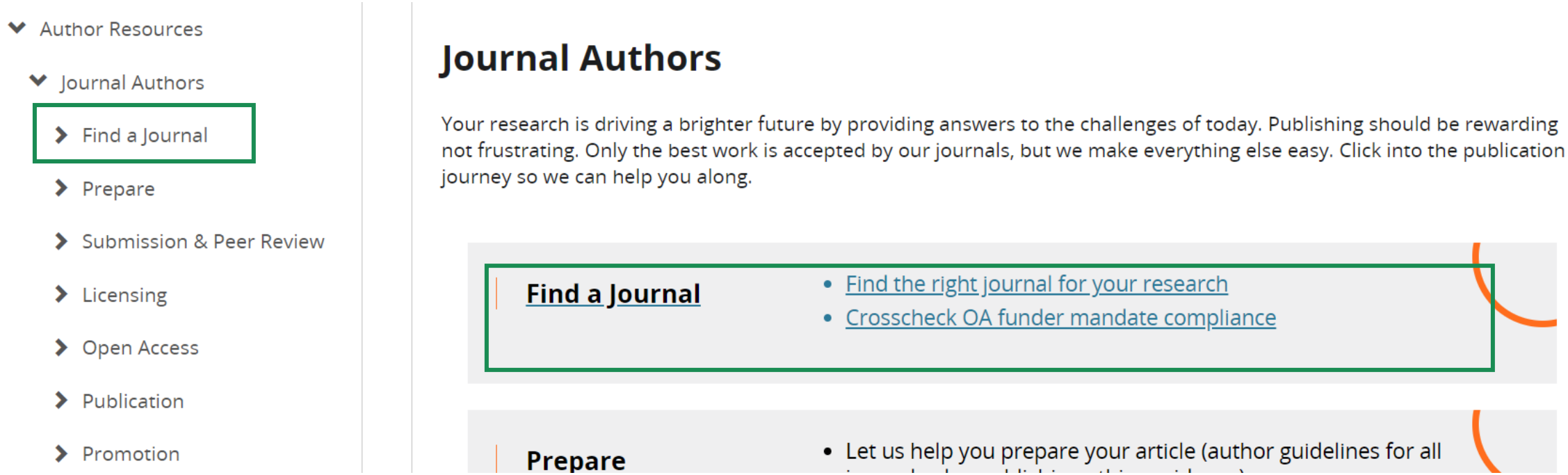

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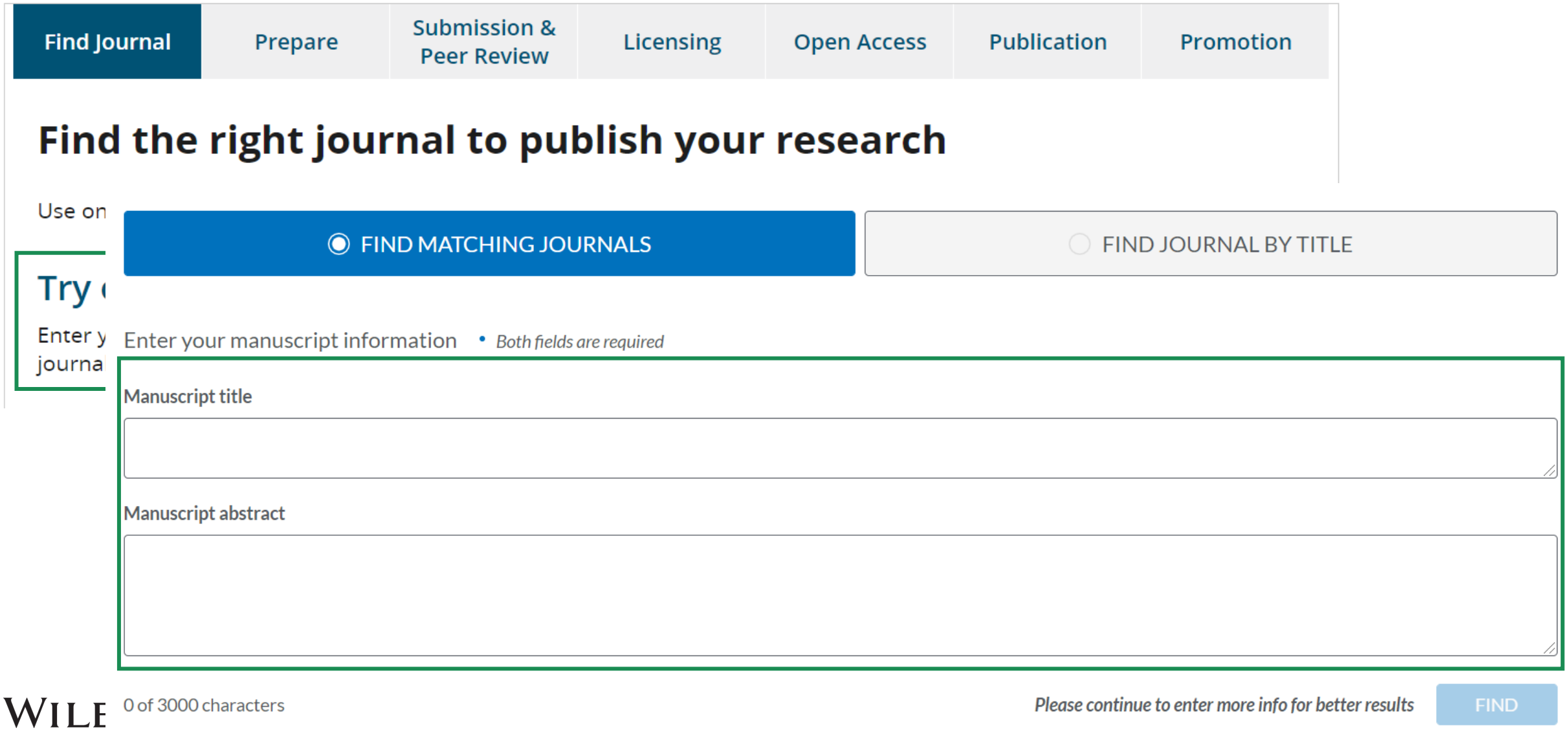

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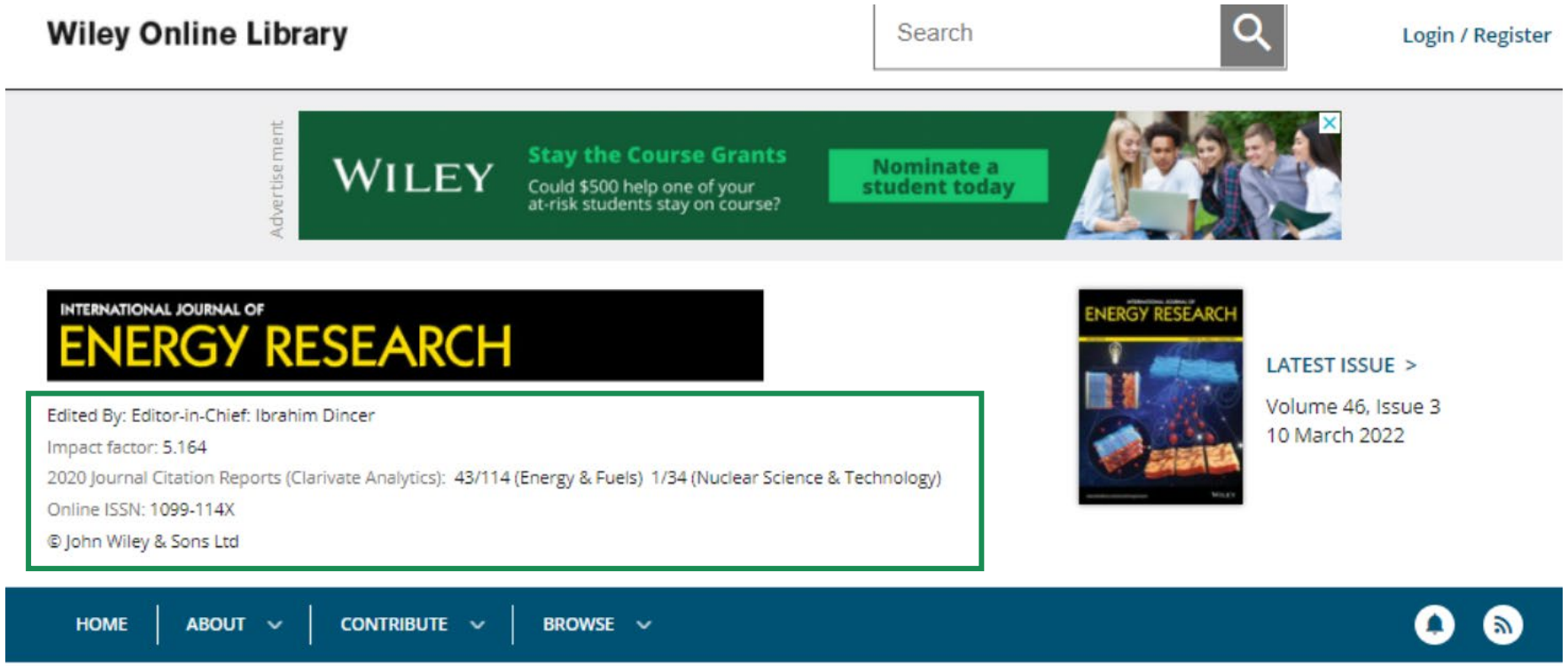

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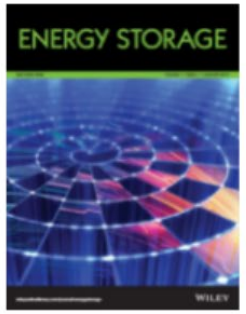

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Aqua-processable carbon quantum dot–assisted resilient polymer binder for advanced lithium-sulfur batteries

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

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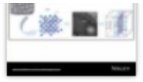
Summary

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



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National Research Foundation of Korea.
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Keywords

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

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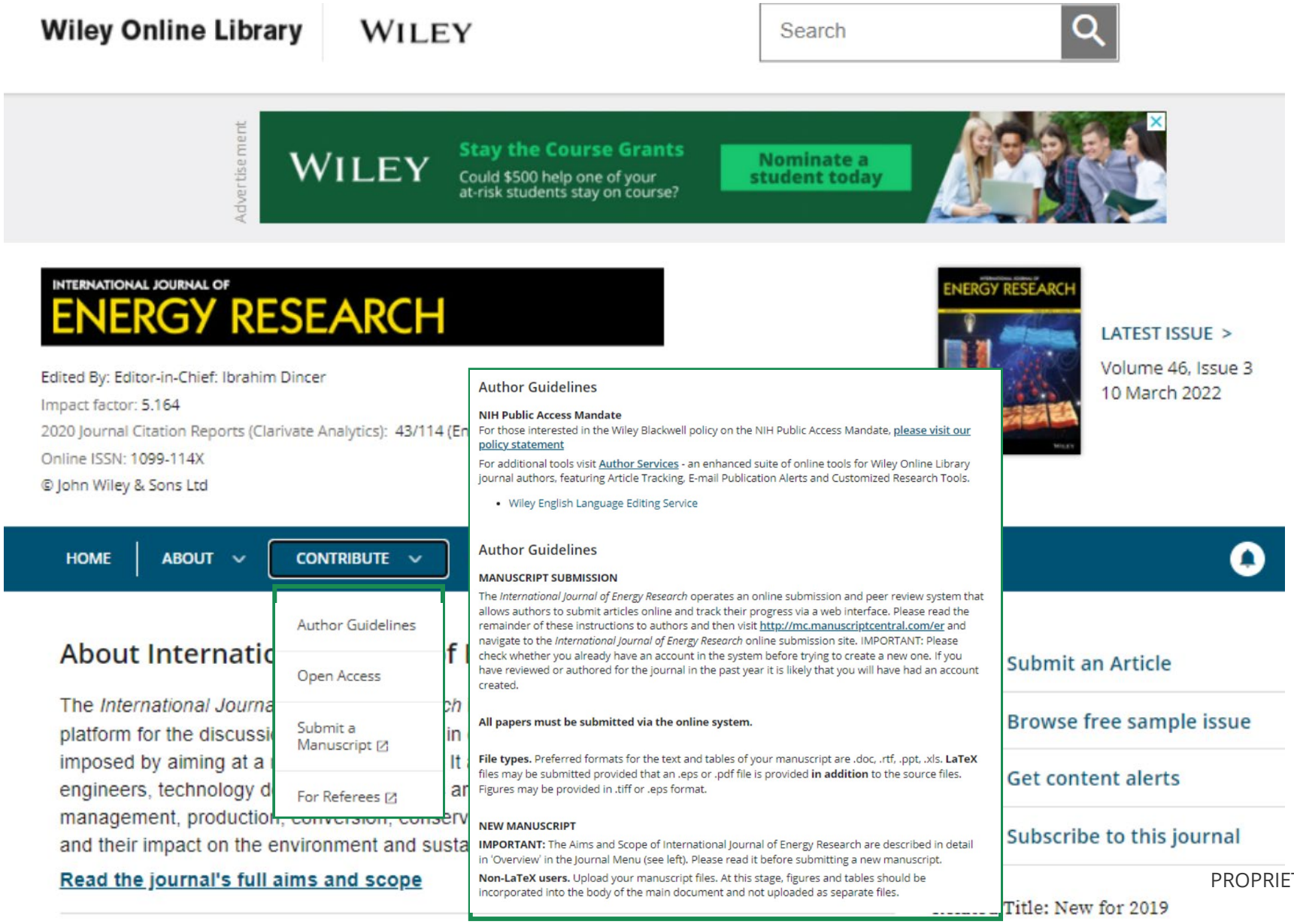

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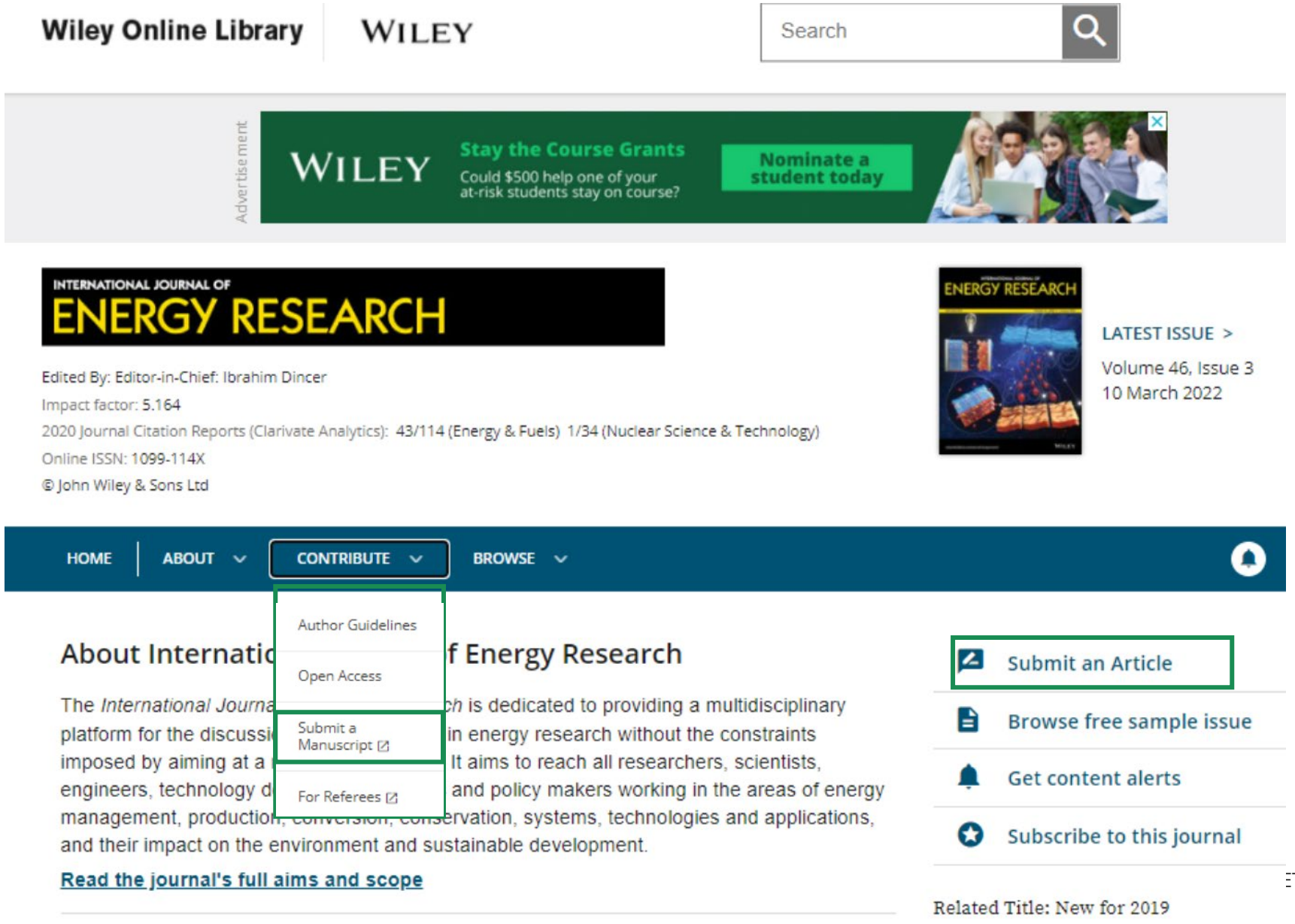

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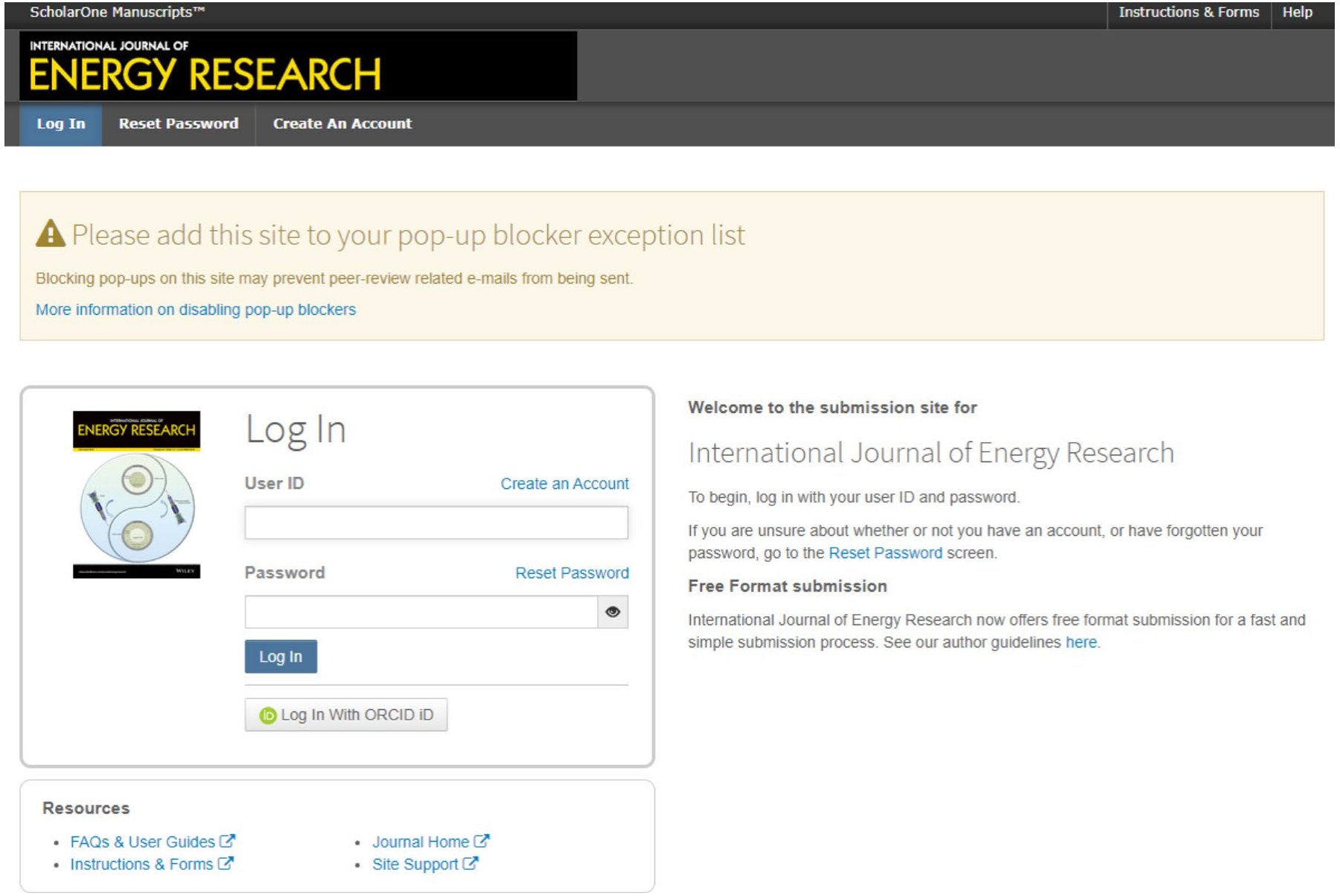

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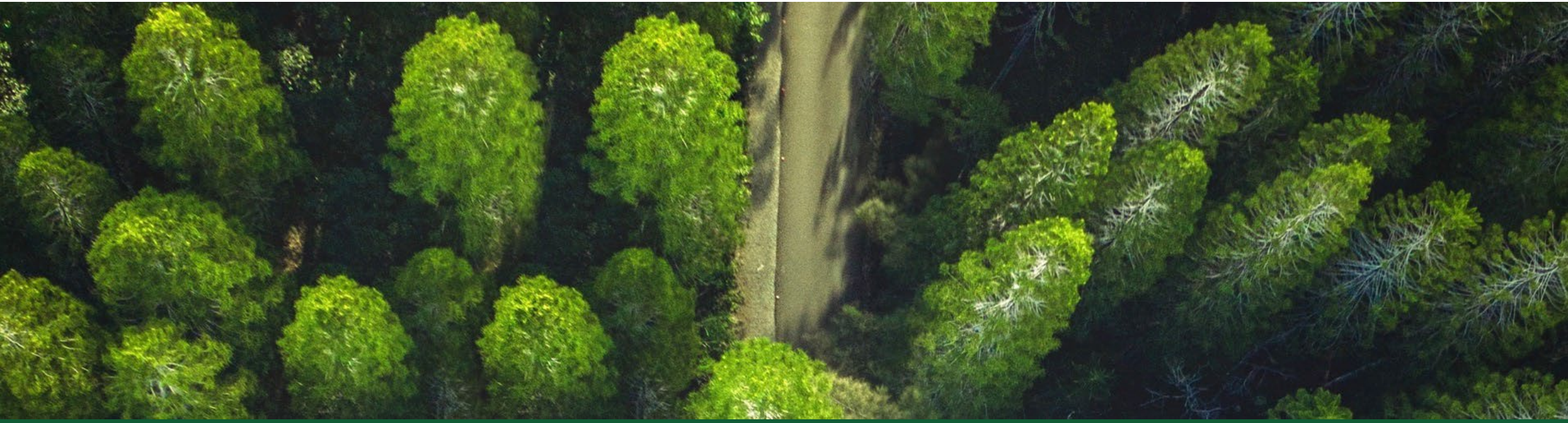

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