

OPTICA (OSA) 数据库使用指南

2023/02









OPTICA出版社介绍

OPTICA学会、资源内容 及品质说明

OPTICA数据库使用

OPTICA平台简介、功能演示



OPTICA投稿

投稿流程梳理









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OPTICA投稿





美国光学学会Optica: 2021年更名!

- 美国光学学会(原名OSA)成立于1916年,是世界上最早出版物理学期刊的出版社之一,目前已有22,000名会员,遍及180个国家,包括光学和光子学领域的科学家、工程师、教育家、技术人员及商业领袖。
- 涉及光学和光子学,物理学、生物学、医学、电气工程、通讯、天文学、气象学、材料科学、机械工程和计算领域。
- 自2021年9月20日起,成立于105年前的美国光学学会有了一个新名字: Optica, 这反映了该学会成立100多年来,在全球光学科学和技术领域内发生的巨大变化!

OPTICA PUBLISHING GROUP

据估计,在过去五年中,全球与光学和光子学相关的年收入增长了约24%,目前已达5000亿美元。光学和光子学的影响力在不断的扩大,在解决一些世界最棘手的问题方面也逐渐占据主导作用。





- OPTICA收录了世界上最多的关于光学和光子学的同行评审文章,超过500,000篇。
- 虽然网站的外观有了改变,但所有的订阅和开放获取的出版物将一如既往,延续OSA在传播和编录归档高质量研究成果上的承诺。
- 只有一个例外: Optica的Gold OA期刊OSA Continuum在2022年更名为 Optics Continuum。







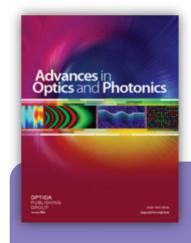
	Optical Communication 光通信 Equipment 光学设备		Imaging 光学成像	Optical Fiber Communication 光纤通信	Analytical techniques 分析方法	
Optica 数据库涵盖主题			Optical Fibers 光纤	Semiconductor Lasers 半导体激光	Light Transmission 光传输	
	Optical systems 光学系统		Metrology 计量学	Bandwidth 带宽	Quantum Electronics 量子电子学	





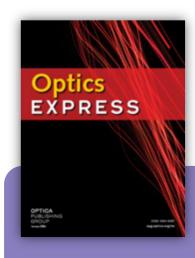


旗舰期刊



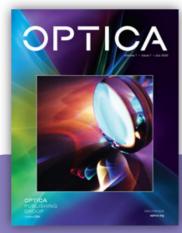
■ Advances in Optics and Photonics - 高影响因子

内容涉及光学和光子学的 进展, 其 IF 在光学收录的 99种期刊中排名第2



■ Optics Express - 高被引量

出版光学和光子学各方面 的科学技术创新,是光学 学科中引用量排名第2



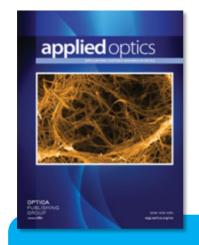
- Optica
 - 光学领域权威期刊

致力于快速传播高品质的同 行评审研究文章,为社会各 界快速访问这些前沿研究提 供了交流论坛, **其影响因子** 在SCI收录的90多种光学类 期刊中排名第6



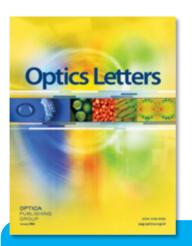






■ Applied Optics

发表深度的同行评议 文章,内容涉及光学和 光电应用中的设备、材 料、系统和自然现象等 的创新和实用。**适用于 光学工程师**。



■ Optics Letters

快速发布各个领域最新的光学和光子学的研究, 内容简短、原始。稿件的接收标准包括:对光 学界有大的新闻价值和 快速发表对其他研究有 重要影响。



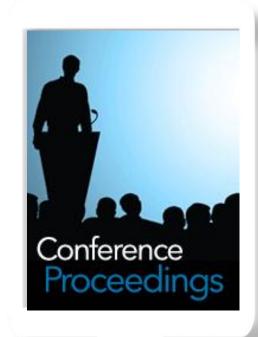


期刊名称 (缩写)	Total Citations	2021 JIF	JIF Quartile	2021 JCI
ADV OPT PHOTONICS	3,791	24.750	Q1	3.30
OPTICA	15,738	10.644	Q1	3.25
J OPT COMMUN NETW	3,529	4.508	Q1	1.34
OPT EXPRESS	137,355	3.833	Q2	1.24
BIOMED OPT EXPRESS	14,709	3.562	Q2	1.05
OPT LETT	78,216	3.560	Q2	1.22
OPT MATER EXPRESS	8,853	3.074	Q2	0.82
J OPT SOC AM A	15,546	2.104	Q3	0.72
J OPT SOC AM B	15,085	2.058	Q3	0.67
APPL OPTICS	55,255	1.905	Q3	0.63
J OPT TECHNOL+	810	0.412	Q4	0.13
OSA CONTINUUM	1,414	N/A	N/A	0.57
CHIN OPT LETT	3,248	2.560	Q2	0.73





会议录



- Topical Meetings《主题会议录》
- Major Meetings Series 《行业会议录系列》
- ← 反映了光学领域的最新进展和动态
- ← 收录了自1975年以来1000多次会议产生的会 议录、超过240,000 篇文章
- ← 汇集了光学和光子学领域的科学家、工程师、 教育家、技术人员及商业领袖的文章

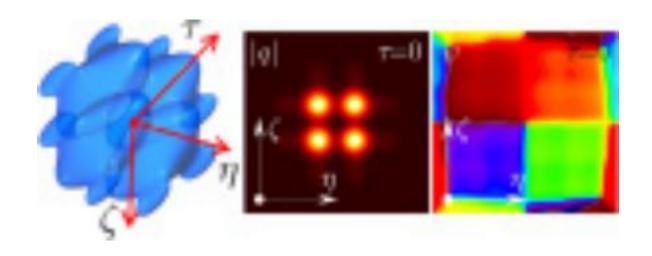




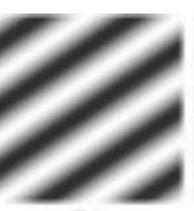


其他

Optics Image Bank (光学影像图库)











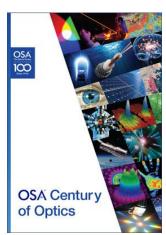


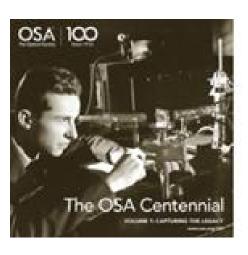


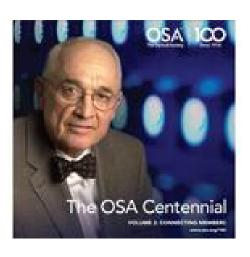
其他

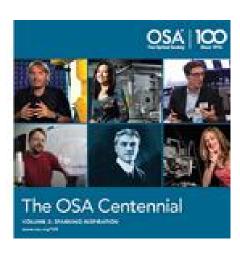
Lasers, OSA Century of Optics, OPN Centennial eBooklets



















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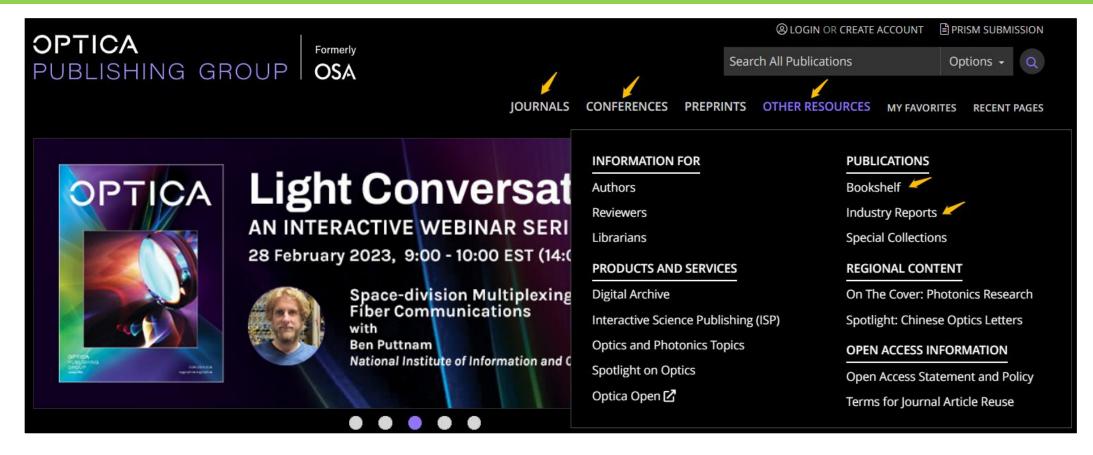


OPTICA投稿









■ 数据库导航栏的Journals、Conference以及Other Resources下面的Bookshelf, Industry Reports分别对应期刊、会议录(含讲演视频)、电子书和行业报告。







OPTICA Formerly PUBLISHING GROUP OSA

Optica Publishing Group > Special Collections

SPECIAL COLLECTIONS

Journal	Collection
Opt. Mater. Express	The Top Cited Articles in Optical Materials Expre
Biomed. Opt. Express	The Top Cited Articles in Biomedical Optics Expr
Optica Publishing Group	2021 Queen Elizabeth Engineering Prize Awarde
Optica Publishing Group	60 Years of Laser Innovation
Optica Publishing Group	International Women's Day 2019
Optica Publishing Group	2018 Nobel Prize Winners in Physics
Optica Publishing Group	2017 Nobel Prize Winners in Physics
Opt. Lett.	Celebrate 40 Years of Optics Letters
Opt. Express	Celebrate 20 Years of Optics Express
J. Lightwave Technol.	A Third of a Century

OPTICA PUBLISHING GROUP CONGRATULATES THE 2018 NOBEL PRIZE WINNERS

Arthur Ashkin





Donna Strickland



Optica Publishing Group congratulates three optics pioneers who share in the 2018 Nobel Prize in Physics for their "groundbreakir field of laser physics."

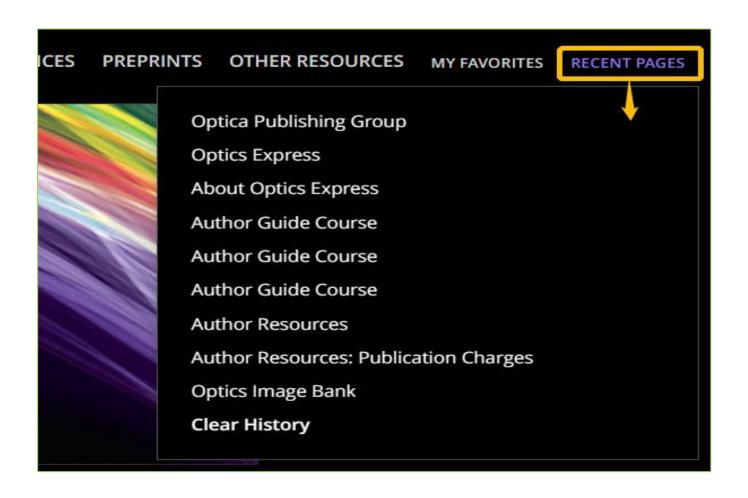
One half of the prize was awarded to Optica Honorary Member Arthur Ashkin of Bell Laboratories, USA, "for the optical tweezers at to biological systems," and the other half was shared by Optica Fellow Gérard Mourou of the École Polytechnique, France, and Optical President Donna Strickland of the University of Waterloo, Canada, "for their method of generating high-intensity, ultra-short of the University of Waterloo, Canada,"

■ Other Resources下面的Special Collections集合了部分期刊出版社整体建立的主题文集,包括获奖作者文章和高被引文章。





■ 导航栏最右的Recent Pages包含 浏览器最近打开的数据库页面, 如检索结果、全文页面、某一期 期刊的目录。点击最下方Clear History可清除浏览历史。

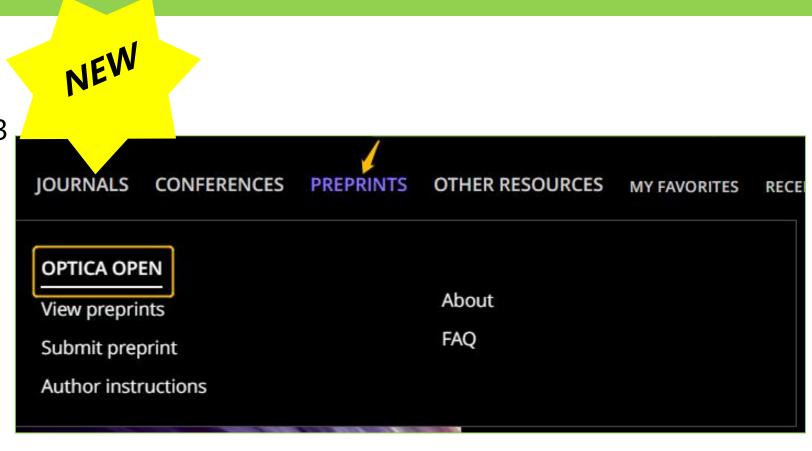






- 导航栏中Preprints为Optica于2023年推出的预印本服务器,现已开放提交。
- 用户可通过下方链接跳转至 Optica Open 网站进行预印本提交。
- 更多信息请访问:

https://preprints.opticaopen.org









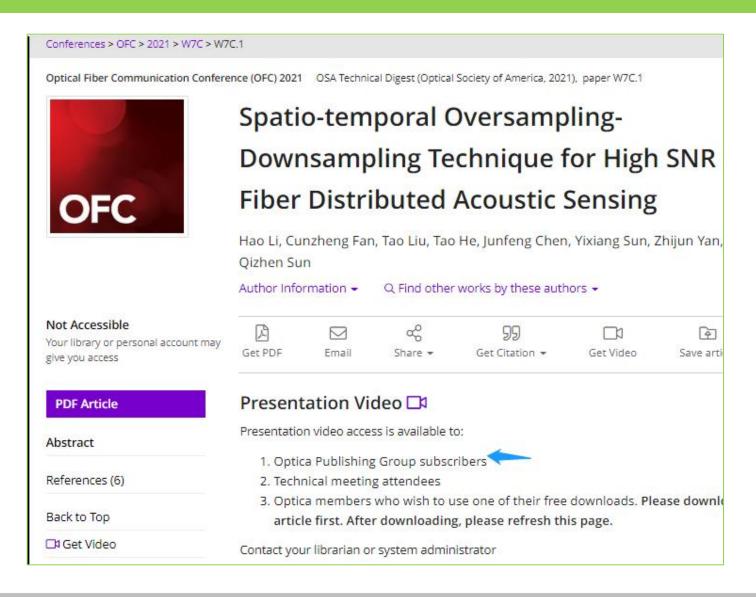
数据库使用: 高级检索功能怎样检索会议录

- 	▼ SEARCH OPTIONS						Close X					
■ 在高级检索窗口选择Conference 下拉菜单,选择需要参考的会议 (可多选);此后再设置关键词 或发表年份,可提高检索效率。		VORDS	Enter search terms here				Title and					
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☐ Biomedical Topical Meeting - BIO	~						(7)					
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数据库使用: 会议录视频



■ 订购会议录的机构方可查看视频







数据库使用: 检索结果排序

检索结果可按与检索词的相关度、发表时间以及文章被引量排序。 展开文章标题右侧的加号查看摘要。

SEARCH RESULTS	432 results (filtered) of 632 total results	rch	Filters:	Clea	r Facets		
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Filter the Results List	☑ Actions → Sort by: Citation Count ✓ View: +	-		Results per	r page: 20	▼ Page:	1 of 22
		(A)					
PUBLICATIONS	☐ Whispering gallery mode sensors						
M All	Foreman, Matthew R.; Swaim, Jon D.; Vollmer, Frank	(
☐ Journals (16)	2015 Advances in Optics and Photonics 7(2) 168-240	View: HTML	PDF [Cited	by (528)]			
Conferences (34)	We present a comprehensive over	view of senso	r technology	exploiting	optical whi	spering ga	llery mode
☐ Industry Reports (1)	(WGM) resonances. After a short introduction we begin by detailing the fundamental principles and th						
Journals]. These values should be compared to	o the absolute p	osition displac	ement sensi	tivities on th	e order of	T-
Conferences							
	 Squeezed light at 1550 nm with a quantum r 	oise reducti	on of 12.3 o	dB			
	Mehmet, Moritz; Ast, Stefan; Eberle, Tobias; Steinle	chner, Sebasti	an; Vahlbruc	h, Henning	; Schnabel	Roman	

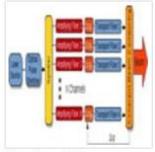


-cquations



数据库使用: 查看全文

Applied Optics Vol. 54, Issue 15, pp. 4640-4645 (2015) - https://doi.org/10.1364/AO.54.004640



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PDF Article

Abstract

Full Article

Figures (10)

Tables (1)

Equations (8)

References (15)

Cited By

Metrics

Design and properties of a coherent amplifying

Rémi Soulard, Mark N. Quinn, and Gérard Mourou

Author Information .

Q Find other works by these authors -

Author Affiliations

Rémi Soulard, 1,2 Mark N. Quinn, 1 and Gérard Mourou 1,*

1 IZEST, Ecole Polytechnique, 91128 Palaiseau, France

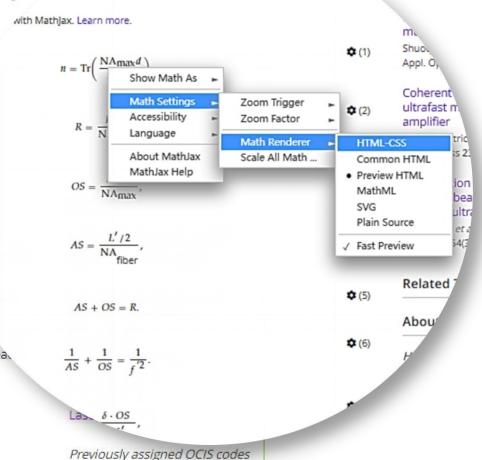
²IZEST, CEA-Saclay, DSM-IRAMIS-SPAM båt, 522 p. 148, 91191 Gif-Sur-Yvette, France

*Corresponding author: gerard.mourou@polytechnique.edu

coherently combined to generate high peak-power pulses at a high repetition rate. To a massive network, new combination architectures are presented here. They are based implementing a spherical array of amplifying fibers, thus removing the need for transport from the initial scheme. These designs present an advantage in terms of scalability leading significant reduction of the temporal fluctuations compared to those of a conventional high power laser. Noise evolution with fiber number is calculated using a perturbative analysis of each channel parameters (phase, signal intensity, beam profile).

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Full Article | PDF Article

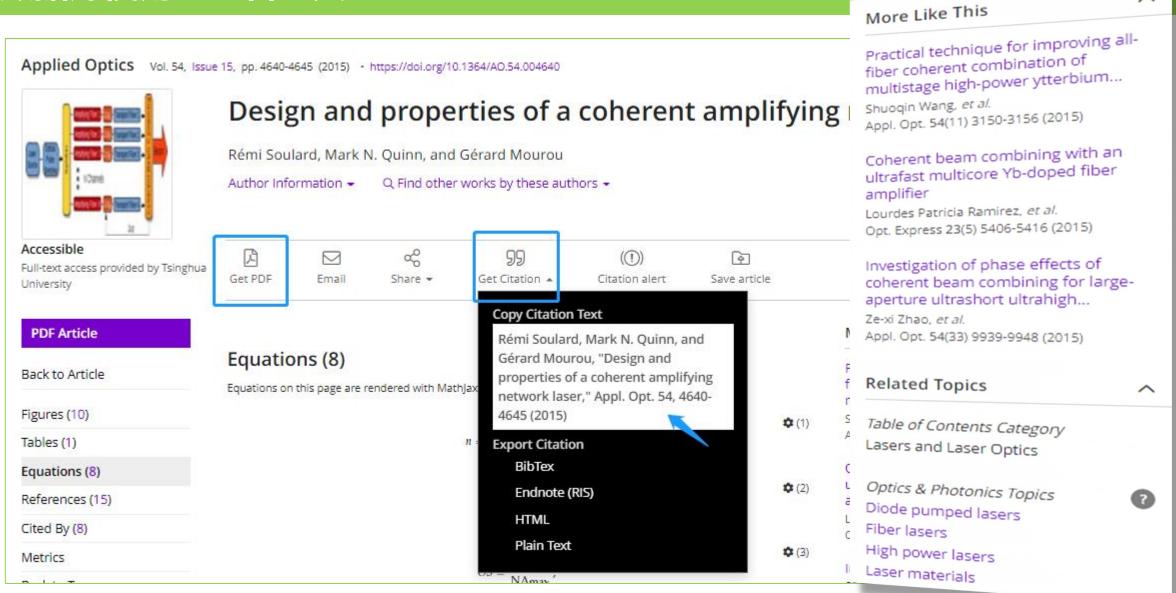








数据库使用: 查看全文







数据库使用: 交互式插图

See the ISP FAQs for more information.

ISP Software

OSA ISP Software and the ISP MIDAS Database were developed by Optica in cooperation with Kitware, Inc.,

- Watch How to Read an OSA Article (Flash | QuickTime)
- Get the ISP Software
- Read ISP FAQs

ISP General Submissions



March 23, 2011

Optics Express article by Kennedy et al.,

"In vivo three-dimensional optical coherence elastography".

ISP Special Issues



Issue 6. Digital Holography and 3D Imaging 2011

December 6, 2011: Applied Optics ISP feature on Digital Holography edited by Ting-Chung F Toyohiko Yatagai (Utsunomiya University), Byoungho Lee (Seoul National University), and Ho

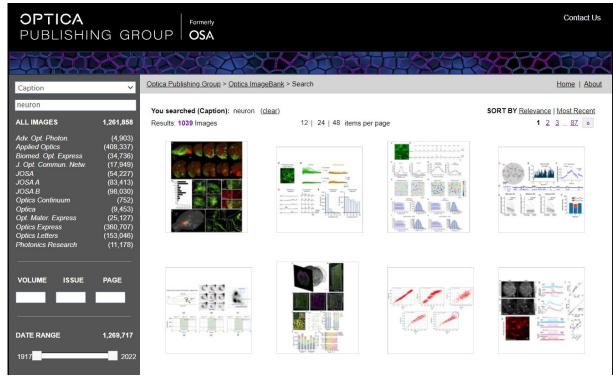
■ 越来越多的2D/3D交互式插图 被用来阐释光学领域的研究数据。Optica期刊文章支持交互 式插图软件。请至以下页面下 载软件(免费)并查看视频教程。

https://www.osapublishing.org/isp





数据库使用:光学影像图库



- Imagebank小站提供120多万张期刊插图。用户可以检索插图的说明文字并筛选来源期刊的名称、卷期号或年份。
- https://imagebank.optica.org

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Enter search terms here

Only if other supplemental resources are available

All text

*目前imagebank小站正在更新维护中, 暂时无法访问。用户可通过OPTICA平台 使用 Image Search Option进行检索。





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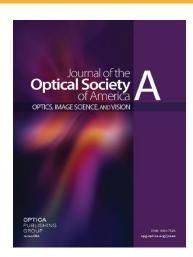
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■投稿之前**审阅语言**,具体 请戳:

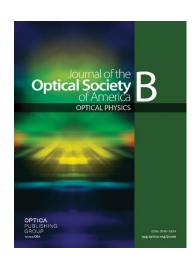
http://languageediting.o sa.org

■审查选择投稿期刊中目前 刊登文章的风格和内容。

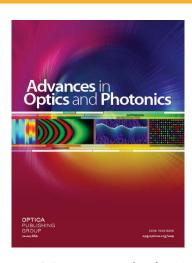
Photonics Research与
Chinese Optics Letters
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合办



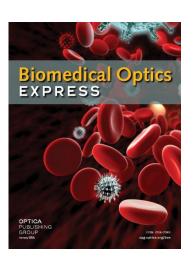
经典光学、影像 科学和视觉



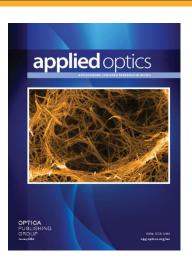
光和物质的相互作用



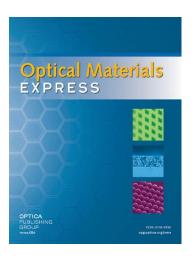
领域顶刊,发表邀稿 的综述/教程



开放阅览,生物医学 光学



以应用为主

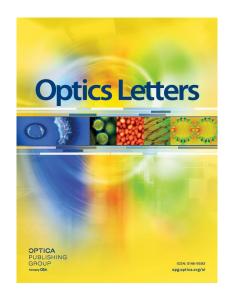


开放阅览, 光学材料

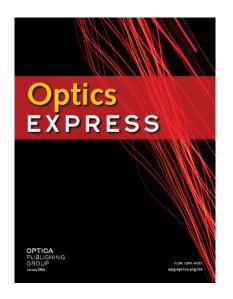




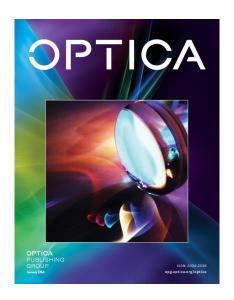




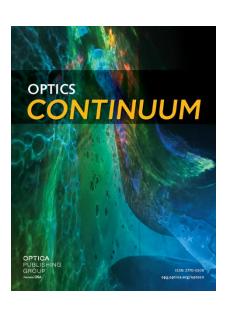
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Any prospective author can submit a proposal by contacting the editor directly or by sending a address aopmss@optica.org. The proposal requirements can be found here.

Please see the Author Resource Center for instructions to prepare and submit a manuscript.

Submit

Key Journal Metrics

Impact Factor: 20.107* Immediacy Index: 3.867* Article Influence Score: 7.016* 5-Year Impact Factor: 23.543*

Median Time to Publication: 195 days <

*Source: 2021 Journal Citation Reports® (Clarivate, 2021).

For more information on Journal metrics, click here.

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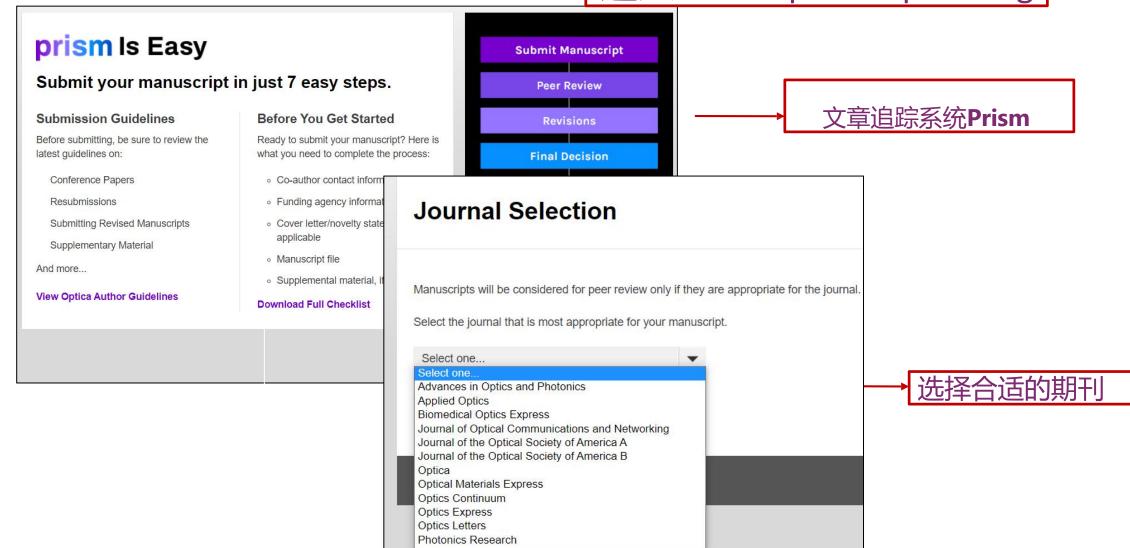
Thomas M. Baer, Stanford University, USA Connie I. Chang-Hasnain. University of California. Berkeley. USA







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手稿信息:

- 是否与其他论文相关
- 《Optics Letters》和《Optics Express》需要提交200字陈述

File Upload

specific information.

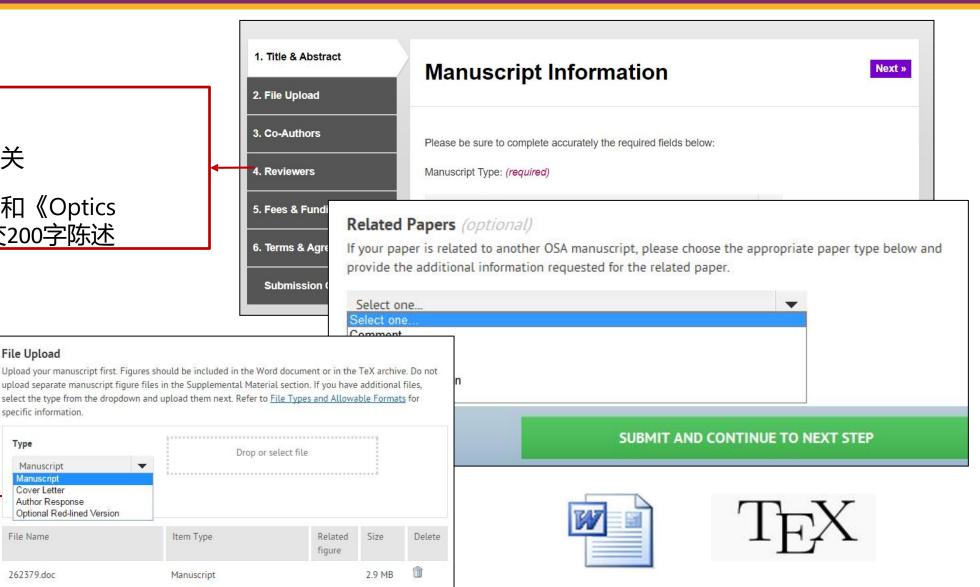
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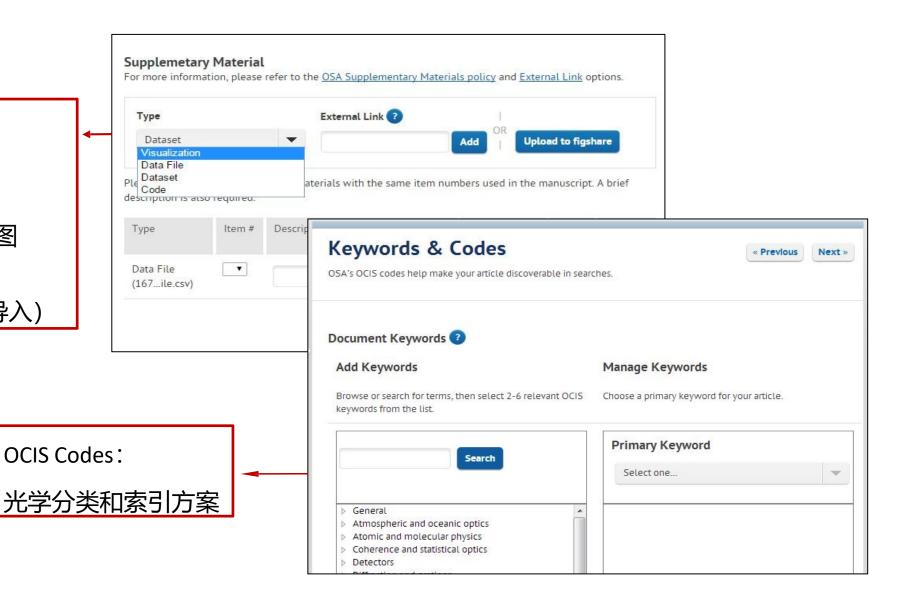






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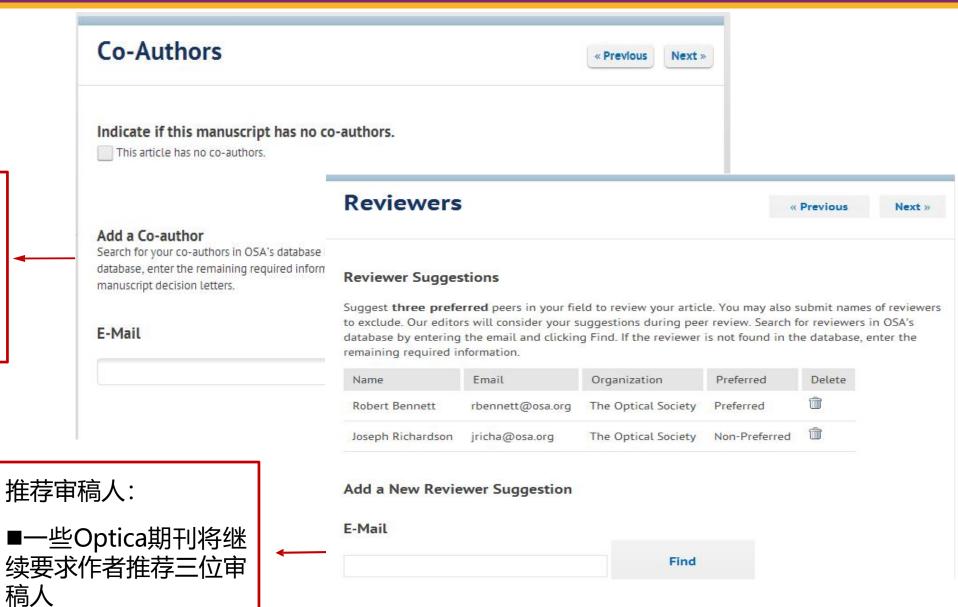






共同作者:

- 需要电子邮件地址
- **■** 提交完成后通知



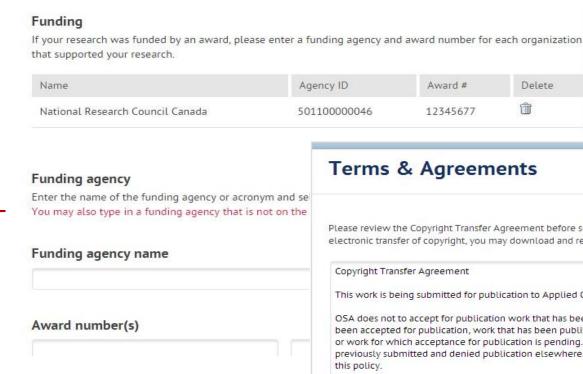






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