

CALIS第二十四届引进数据库培训周



OPTICA 数据库

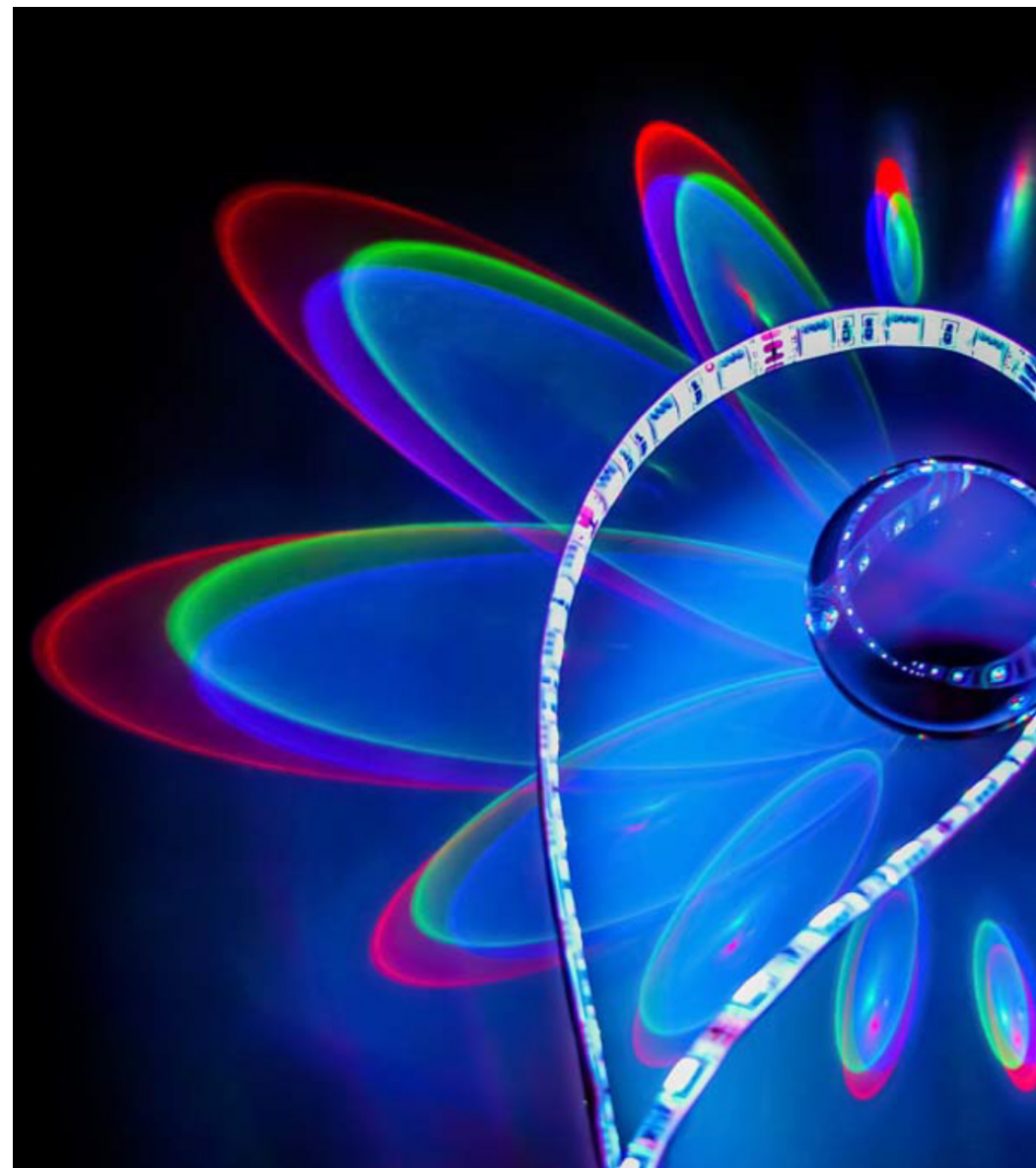
资源介绍与平台使用

2026/05/13

OPTICA
Formerly OSA

美国光学集团

- 美国光学集团（OPTICA Publishing Group, OPG）的前身：OSA（美国光学学会）；
- 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 24,000 + 名会员，遍及 180+ 个国家；
- OPTICA 数据库网址：opg.optica.org



**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

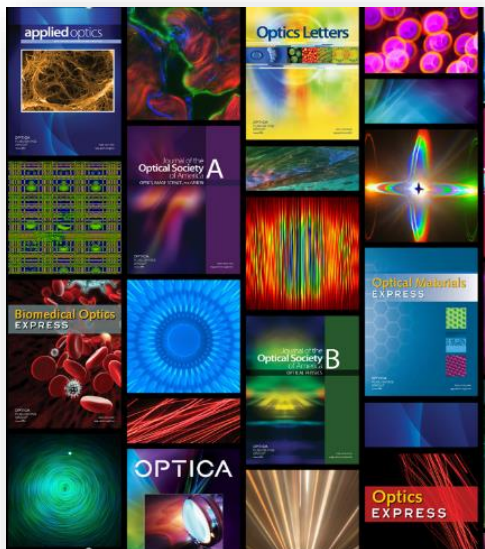
**Light
Transmission**
光传输

Optical systems
光学系统

Metrology
计量学

Bandwidth
带宽

**Quantum
Electronics**
量子电子学



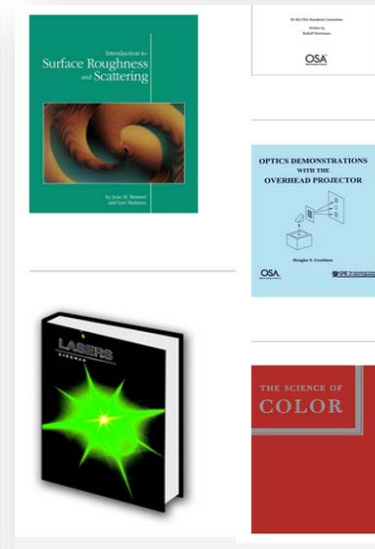
期刊 19 种

同行评审期刊，出版光学和光子学领域的顶级期刊



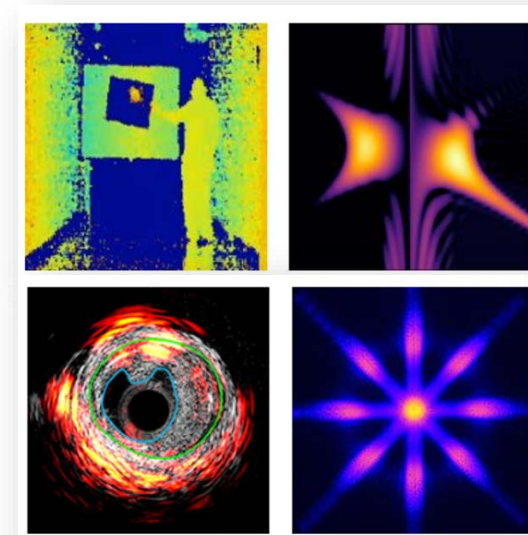
会议录及会议视频 25万+

主题会议录 Topical Meeting Conference
三大行业会议录 Major Meeting Series



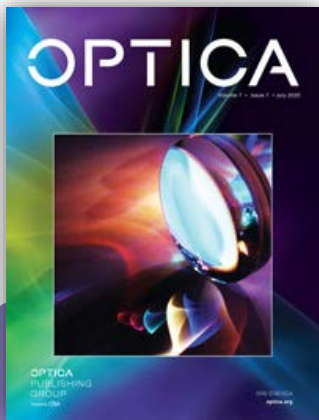
电子图书 14 种

经典书籍包括：LASERS；
OSA Century of Optics；
OPN Centennial Booklets



光学影像图库 120万+

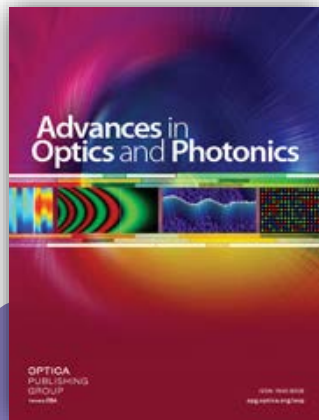
包含从 1917 年至今的期刊插图



Optica

光学领域权威期刊
影响因子 IF = 8.5

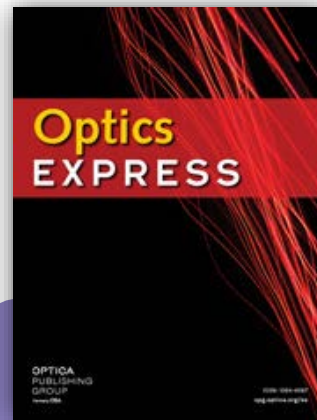
期刊发表光学领域的高影响力的同行评审研究文章，是具有高度选择性的光学期刊



Advances in Optics and Photonics

影响因子 IF = 23.8

期刊发表光学和光子学领域的研究综述，影响因子在光学收录的125种期刊中排名第三



Optics Express

高被引量
影响因子 IF = 3.3

出版光学和光子学各方面的科学技术创新，是光学学科被引用量排名第一

根据2025年度期刊引用报告JCR数据:

- JCR收录的125种光学领域核心期刊中，5种Optica期刊的影响因子属于JCR Q1分区
- OPTICS EXPRESS的被引用量排名第一
- Optica期刊的发文量占光学领域文献总量的27%，被引用量占34%

JCR Abbreviation	Total Citations	2024 JIF	JIF Quartile
OPT EXPRESS	143,376	3.3	Q2
J LIGHTWAVE TECHNOL	37,775	4.8	Q1
PHOTONICS RES	12,668	7.2	Q1
OPT LETT	76,109	3.3	Q2
OPTICA	20,845	8.5	Q1
BIOMED OPT EXPRESS	15,794	3.2	Q2
OPT MATER EXPRESS	9,319	3.1	Q2
ADV OPT PHOTONICS	4,926	23.8	Q1
J OPT COMMUN NETW	3,800	4.3	Q1
CHIN OPT LETT	4,130	2.8	Q2
APPL SPECTROSC	9491	2.2	Q2
J NEAR INFRARED SPEC	1413	1.9	Q2

Chinese Optics Letters

由中国科学院上海光学
精密机械研究所 SIOM,
中国光学学会COS主办

中国激光出版社CLP出版



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Chinese Optics Letters

Zhizhan Xu, Editor-in-Chief

Editorial Board > Staff >

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Volume Issue Page

About *Chinese Optics Letters*

Chinese Optics Letters (COL) is an international journal aimed at the rapid dissemination of latest, important discoveries and inventions in all branches of optical science and technology. It is considered to be one of the most important journals in optics in China. It is collected by Optica Publishing Group and also indexed by Science Citation Index (SCI), Engineering Index (EI), etc.

COL is distinguished by its short review period (~30 days) and publication period (~100 days).

With its debut in January 2003, COL is published monthly by Chinese Laser Press, and distributed by Optica Publishing Group outside of Chinese Mainland.

Sponsor

The journal is sponsored by Shanghai Institute of Optics and Fine Mechanics (SIOM), Chinese Academy of Sciences and the Chinese Optical Society (COS). Their information can be found on the websites: www.siom.ac.cn and www.cncos.org, respectively.

主题范围：《COL》是中国光学领域的领先期刊之一。它以英文出版，促进光学知识的产生、应用和归档，并在全世界传播研究成果。学科涵盖光纤与光通信、激光与激光光学、非线性光学、图像处理、仪器仪表、测量与计量、集成光学、材料、量子光学、超快光学等。COL由中国激光出版社出版，可供查阅。来自中电及 Optica 出版集团

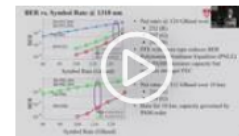
□ 主题会议录 **Topical Meeting Conference** 回溯至1981年

□ 三大行业会议录 **Major Meeting Series** 回溯至1975年

- 光学前沿 **FiO** (Frontiers in Optics)
- 激光和光电会议 **CLEO** (Conference on Laser and Electro-Optics)
- 光纤通信会议 **OFC** (Optical Fiber Communication)



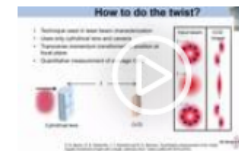
W4A.3 - Scalable Detachable Fiber Connectivity for Seamless Integration With Advanced Semiconductor Packaging [19:29] OFC



W3H.6 - Advances in High Baud Rate Low Power IM/DD Transmission [28:43] OFC



W3A.2 - The Paradigm Shift: Bringing Optics to AI [15:15] OFC

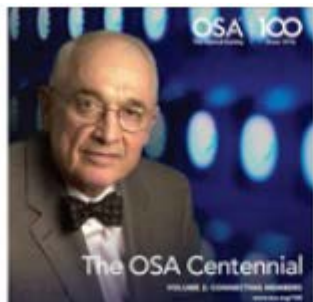


W4J.5 - Fiber Sensing With Structured Light Beams [28:52] OFC

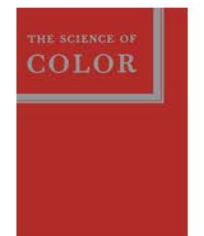
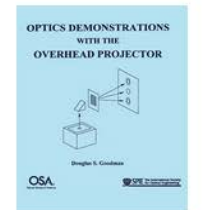
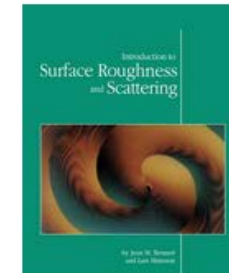
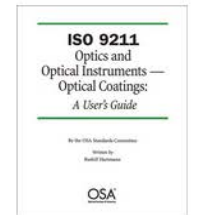
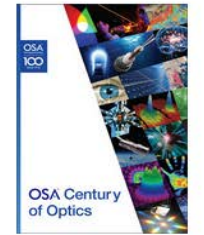
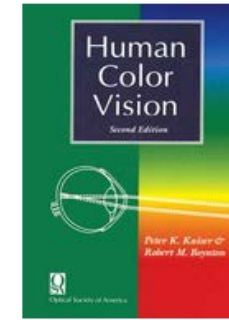


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- OSA Century of Optics
- OPN Centennial Booklets
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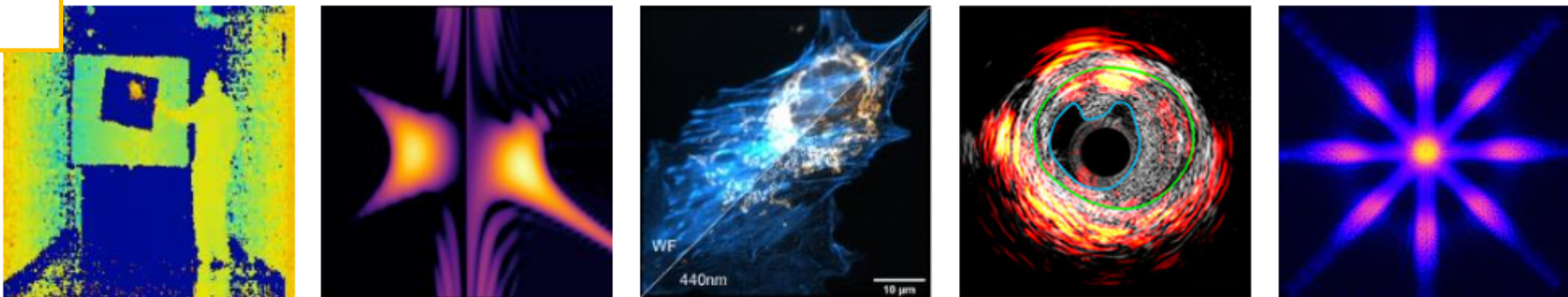
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OPTICA PUBLISHING GROUP

SEARCH LOGIN SUBMIT OPTICA AI

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NEW FROM OPTICA

Photonic chips advance real-time learning in spiking neural systems

16*16MZI 1-1

- AUTHORS
- REVIEWERS
- LIBRARIANS
- OPEN ACCESS
- SUBMIT PREPRINT
- SUBMIT TO JOURNAL

Looking for something? Ask Optica AI

RECENTLY PUBLISHED

High-sensitivity distributed quantum sensing of multimodal parameters
Jingxu Ma, Jieli Yan, Shaocong Liang, Zhihui Yan, Xiaojun Jia, *et al.*
Optica 13(3) 541-547 (2026)

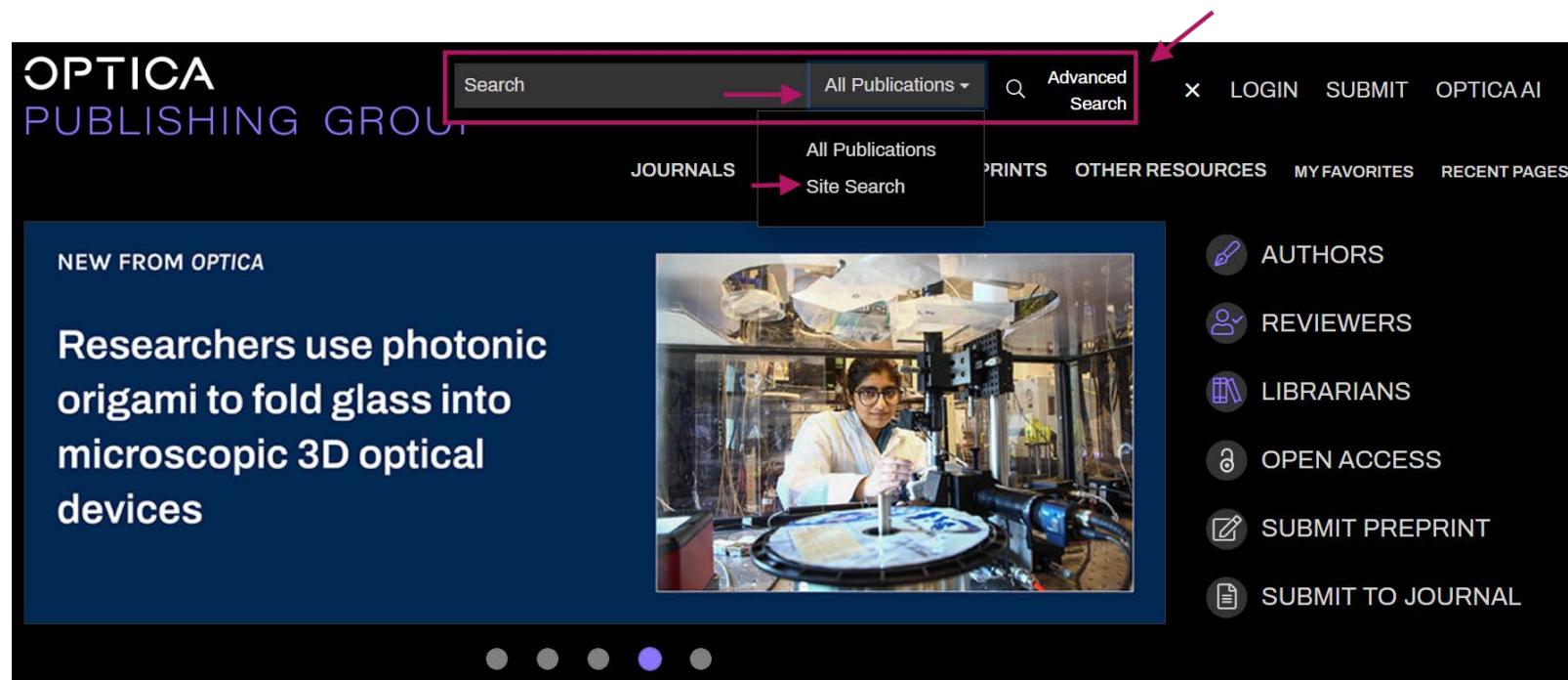
IMAGE OF THE WEEK

■ 简单搜索:

平台每个网页顶部均设有简单搜索框。

■ 高级搜索

点击“高级搜索”选项，可对已发布内容进行更精确的检索。



高级检索

- 按多种参数进行检索，包括关键字、作者、期刊、会议和出版年份
- 通过“ImageBank Search”按作者或关键词搜索文章中的图片
- 通过“Site Search”搜索我们的政策

SEARCH OPTIONS Close X

Article Search | ImageBank Search | Site Search

KEYWORDS

Only if other supplemental resources are available

Title and Abstract

All text

AUTHORS

• Use these formats for best results: Smith or J Smith

• Use a comma to separate multiple people: J Smith, RL Jones, Macarthur

Any : All :

SEARCH IN

Journals

Conferences

Industry Reports

Vol. Issue Page

Year Paper #

Report Year

PUBLICATION YEARS

From To

Enter only one date to search After ("From") or Before ("To")

高级检索

- 在高级搜索页面的下方，可按主题进行检索。
- 全站文章已自动标注统一的“光学与光电子学”主题关键词。
- 您可直接输入主题进行搜索，或点击“Browse all Topics”以使用主题浏览功能。

PUBLICATION YEARS

From To

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OPTICS & PHOTONICS TOPICS

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- Complementary **meta**l oxide semiconductors
- Meta**l gratings
- Meta**l nanoparticles
- Meta**l optics
- Meta**ls
- Meta**material devices
- Meta**materials
- Meta**surfaces
- Semi**meta**ls

SPECIAL COLLECTIONS

Energy and Environmental Optics Express

Application Notes (formerly E&L Notes)

Memoranda

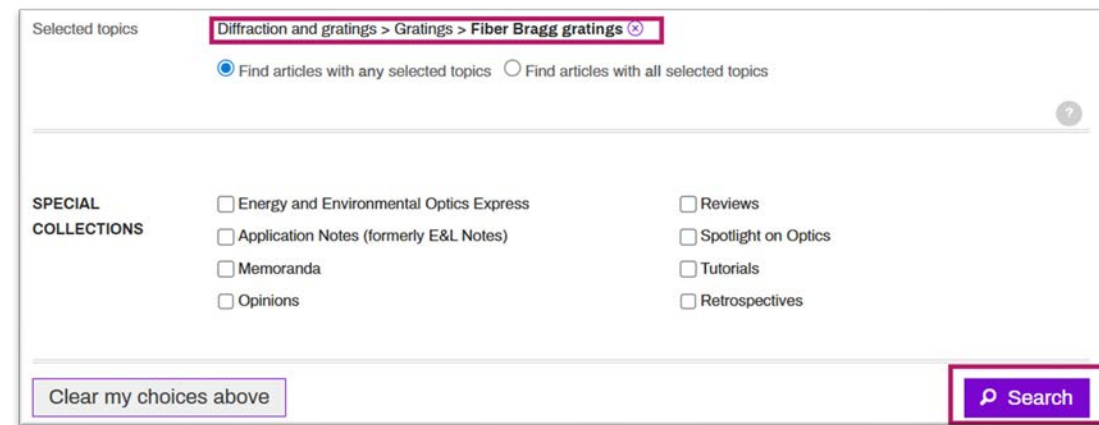
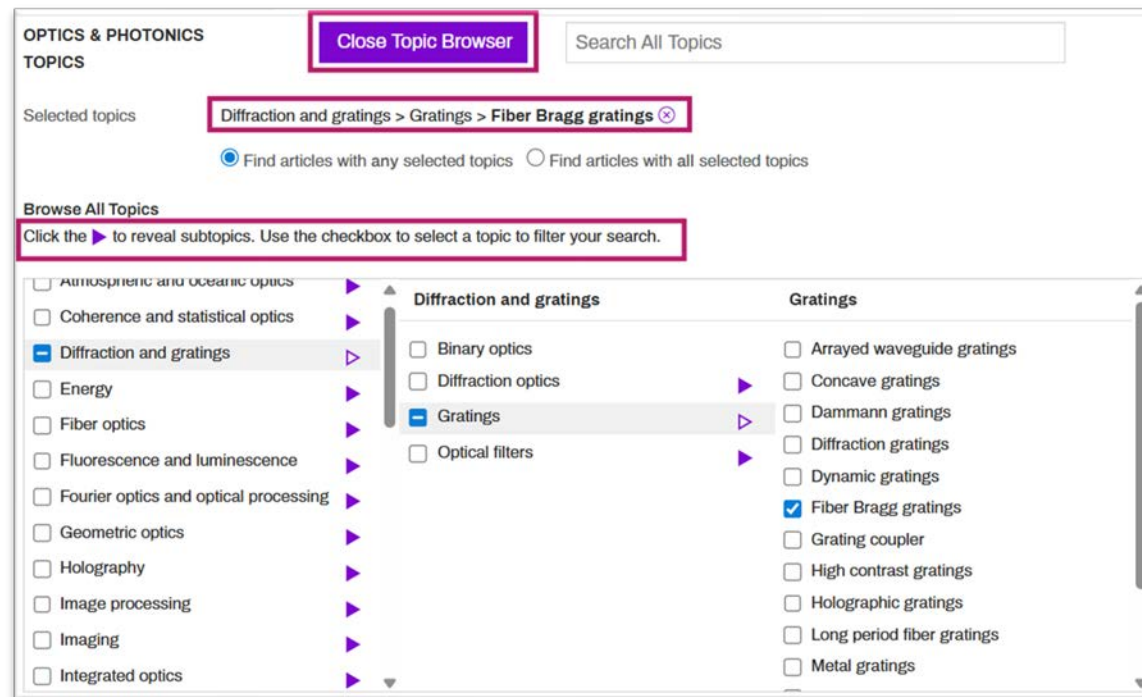
Opinions

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[Search](#)

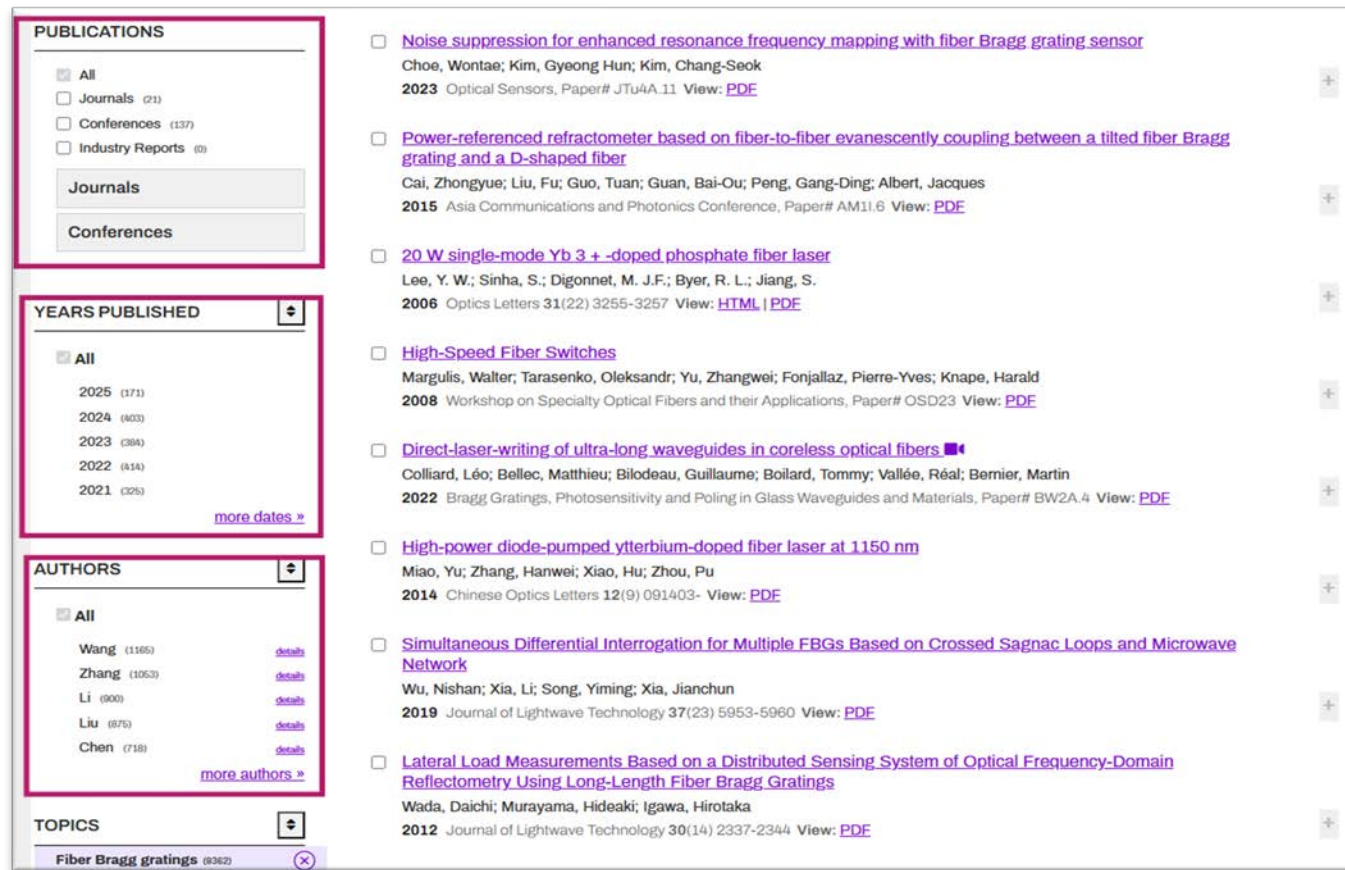
高级检索

- 主题浏览器构建了一个三层树状结构，可通过层级逐步缩小搜索范围。
- 点击紫色箭头即可展开显示子主题
- 例如，在“Diffraction and gratings”主题下包含子主题“Gratings”；而“Gratings”下又包含“Fiber Bragg gratings.”子主题
- 选择主题后，需要先点击“Close Topic Browser”，然后点击“Search”按钮



精简检索结果

- 在搜索结果页面的左侧，提供了进一步筛选搜索结果的选项。
- 可按出版物类型、出版年份及作者姓名进行过滤。



The screenshot displays the search results interface with the following components:

- PUBLICATIONS Filter:** Includes checkboxes for 'All', 'Journals (21)', 'Conferences (137)', and 'Industry Reports (0)'. Below are buttons for 'Journals' and 'Conferences'.
- YEARS PUBLISHED Filter:** A dropdown menu showing years from 2025 (171) to 2021 (205), with a 'more dates >' link.
- AUTHORS Filter:** A dropdown menu listing authors: Wang (1165), Zhang (1053), Li (900), Liu (875), and Chen (718), each with a 'details' link and a 'more authors >' link.
- TOPICS Filter:** A dropdown menu currently showing 'Fiber Bragg gratings (9362)'.
- Publication List:** A list of search results, each with a checkbox, title, authors, year, journal name, paper number, and a 'View' link (e.g., PDF, HTML, PDF).

保存结果和收藏检索式

- 完成搜索后，可点击页面顶部的“Save Search”。
- 当有符合保存条件的新内容发布时，将自动收到通知。

Optica Publishing Group > Search Results

SEARCH RESULTS

900 results (filtered) of 900 total results

[Save Search](#)

Search All Publications Options

Filters: Negative index materials

Filter the Results List

Actions Sort by: Relevance View: + -

Results per page: 20 Page: 1 of 45

PUBLICATIONS

- All
- Journals (16)
- Conferences (56)
- Industry Reports (0)

Journals

Conferences

YEARS PUBLISHED

- Invisible gateway for both light waves and rays
Sun, Fei; He, Sailing
2018 Optics Express 26(1) 165-172 View: HTML | PDF [Suppl. Mat. (2)]
- Left-Handed Photonics with Plasmonic Nanomaterials
Sarychev, A. K.; Drachev, V. P.; Yuan, H.-K.; Cai, W.; Shalaev, Vladimir M.
2004 International Quantum Electronics Conference, Paper# IThB5 View: PDF
- Gaussian Beams in Near-Zero Transition Metamaterials
Alali, Fatema; Litchinitser, Natalia M.
2012 Frontiers in Optics, Paper# FW2B.4 View: PDF

在文章的HTML版本页面中，可以找到以下实用信息：

- 相似文章推荐列表；
- 该论文所属的光学与光子学主题分类；
- 与论文出版相关的关键日期（如收稿、接受、发表时间等）

Abstract

We report the demonstration of the first, to our knowledge, cladding-pumped continuous-wave Yb^{3+} -doped phosphate-glass fiber laser. Phosphate hosts are of interest because they can be much more heavily doped than silica, and because of the possibility that they may have a higher photodarkening threshold. In an 84.6 cm double-clad fiber doped with 12 wt. % of Yb_2O_3 and laser-diode pumped at 940 nm, nearly 20 W of single-mode 1.07 μm output power was generated with 60.2 W of absorbed pump power. The measured dependence of the output power on pump power is in excellent agreement with simulations.

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In the past few years, cw rare-earth-doped silica fibers have been exploited extensively to scale the power of fiber lasers sources to the kilowatt level.[1] High-brightness kilowatt-class single-frequency fiber laser sources are required in many applications, including coherent beam combining, advanced remote sensing, and coherent lidar systems. Power scaling of these sources is ultimately limited by two mechanisms. The first one is stimulated Brillouin scattering (SBS). The second one is photodarkening, which can limit the maximum achievable output power and/or induce output power degradation over time. The SBS limitation has been effectively pushed back by increasing the fiber core area and reducing the fiber length. However, single-mode fibers with core diameters greater than $\sim 45 \mu\text{m}$ need to be kept straight to avoid bending losses,[2] making them difficult to handle in practice and poorly suited for compact geometries. The second approach, shortening the fiber, requires increasing the rare-earth-ion concentration. Because of the low solubility of rare-earth oxides in silica, this concentration can be increased only so much [to $\sim 2.1 \times 10^{20} / \text{cm}^3$ for Yb^{3+} (Ref. [3])] before the onset of upconversion processes between ions, which degrade the laser efficiency. Therefore, silica-based fibers can be shortened only to some degree, and other means of dealing with SBS must be found.

Phosphate glass offers a potential solution to these problems, because rare-earth oxides are considerably more soluble in this material than in silica. For example, Yb^{3+} phosphate-glass fibers can be doped with up at least to $2.12 \times 10^{21} \text{Yb}^{3+} / \text{cm}^3$ (~ 10 times as much as silica) and still exhibit no upconversion.[4] Since the theoretical SBS gain coefficient of phosphate glass is comparable with that

More Like This

[Yb³⁺-doped double-clad phosphate fiber for 976 nm single-frequency laser amplifiers](#)

Jingwei Wu, *et al.*
Opt. Mater. Express 7(4) 1310-1316 (2017)

[Diode-pumped 1.15 W linearly polarized single-frequency Yb³⁺-doped phosphate fiber laser](#)

Shijie Fu, *et al.*
Opt. Express 29(19) 30637-30643 (2021)

[Single-mode laser output in a Yb³⁺-doped fluorophosphate fiber](#)

Chao Wang, *et al.*
J. Opt. Soc. Am. B 33(9) 1796-1799 (2016)

Related Topics

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Fiber Optics and Optical Communications

Optics & Photonics Topics

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SPIE. DIGITAL
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2026/05/13

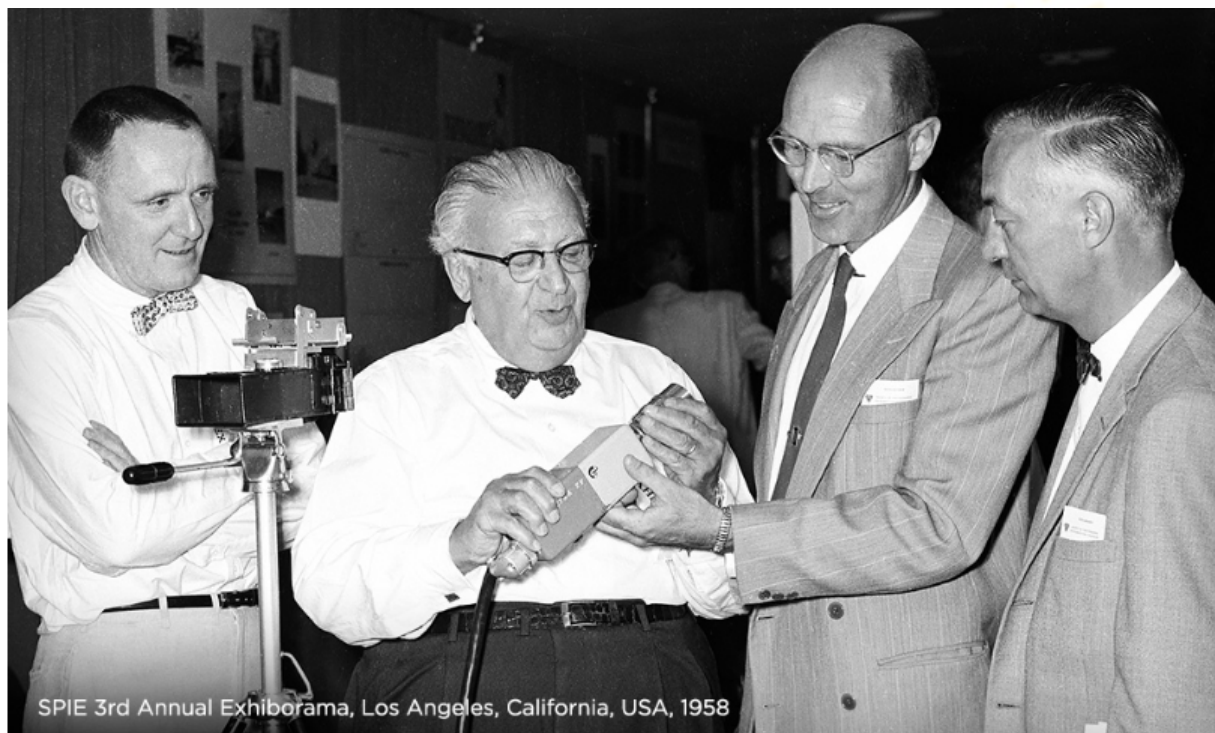


SPIE.

CONTENTS

- SPIE 学会简介
- SPIE 数据库资源
- SPIE 数据库平台使用
- SPIE 服务与支持

SPIE.



国际光学工程学会 (the International Society for Optics and Photonics, 简称SPIE) 成立于 1955 年, 是致力于国际光学与光子学领域发展的专业学会。

作为一个非营利性组织, SPIE 目前服务于全球超 25 万名成员。

SPIE.

2003年，SPIE推出SPIE Digital Library(SPIE 数字图书馆)，提供SPIE期刊和会议论文，并在2010年上线SPIE电子图书。

过去五年间，SPIE通过奖学金、教育资源、差旅补助、捐赠基金等举措，向国际光学社群投入逾2,600万美元。

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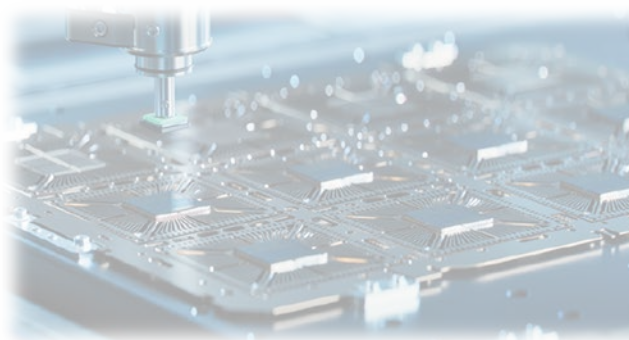
光学设计与光学工程

太阳能及可替代能源

激光器

遥感

测量与传感器





SPIE.

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- SPIE 学会简介
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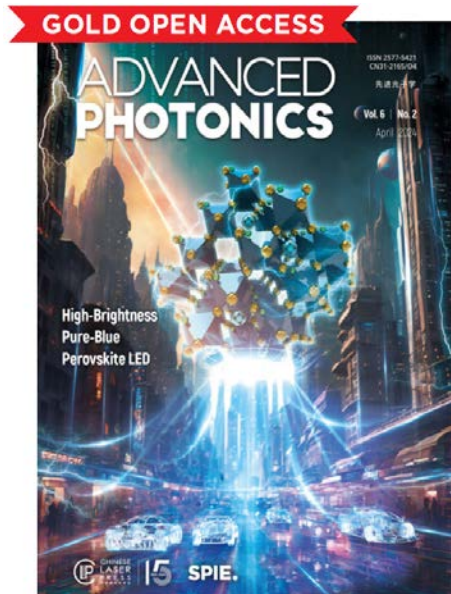
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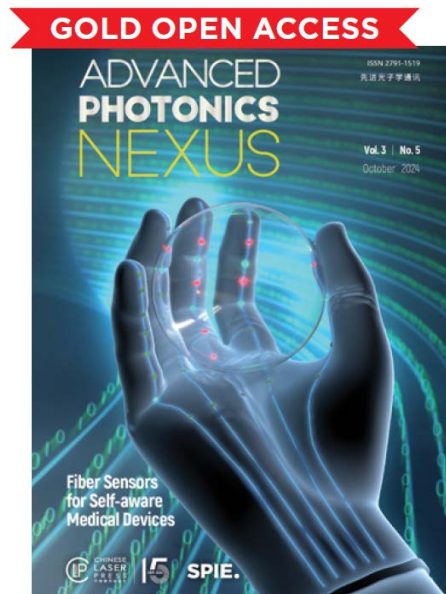
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PI主编由复旦大学谢希德教授-周磊教授担任。

AP及APN主编均由深圳大学
纳米光子学研究中心主任袁小聪教授担任。

SPIE重点会议介绍

SPIE. PHOTONICS WEST

2027年1月30日-2月4日
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美国西部光电展(SPIE Photonics West) 是全球光子学领域的商业盛会。作为光子学与激光行业的顶尖活动。2026年，西部光电展上举办了6个主题超过4200场技术演示。

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2026年4月26日-30日
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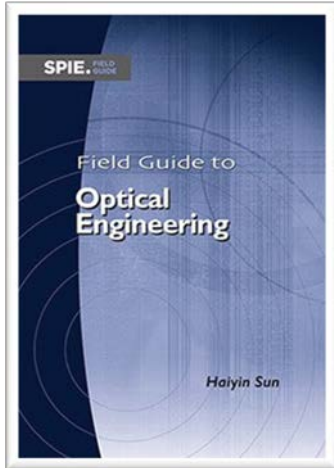
SPIE国防与安全展是传感、成像与红外技术领域极具规模的展会，该展汇聚了全球顶尖的国防和安全公司、研究机构、政府买家，及传感系统用户。

SPIE. COS | PHOTONICS ASIA

2026年10月11日-13日
中国 江苏 南通

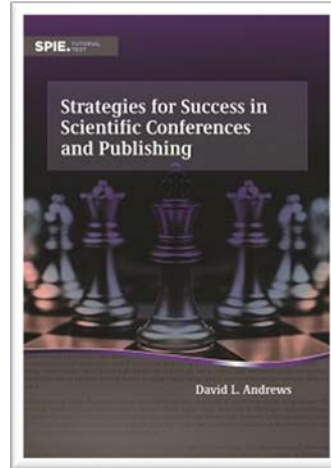
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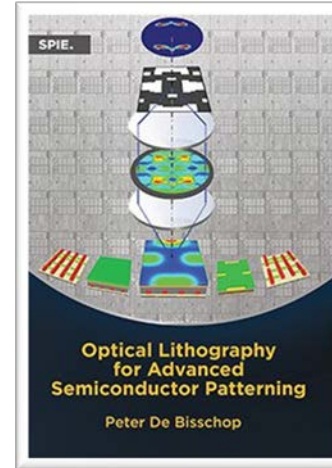
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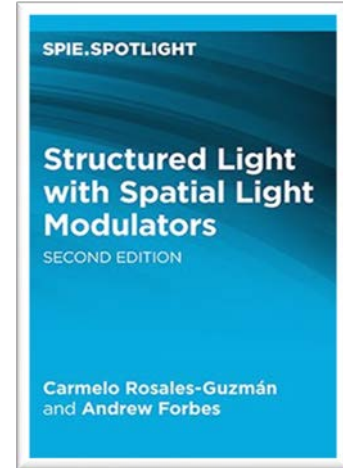
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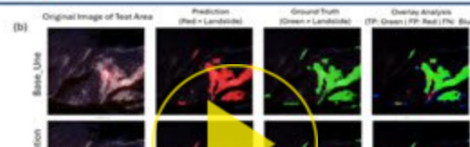


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9 March 2023

Temporal compressive super-resolution microscopy at frame rate of 1200 frames per second and spatial resolution of 100 nm

Yilin He, Yunhua Yao, Dalong Qi, Yu He, Zhengqi Huang, Pengpeng Ding, Chengzhi Jin, Chonglei Zhang, Lianzhong Deng, Kebin Shi, Zhenrong Sun, Xiaocong Yuan, Shian Zhang

[Author Affiliations +](#)

Advanced Photonics, Vol. 5, Issue 2, 026003 (March 2023). <https://doi.org/10.1117/1.AP.5.2.026003>

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3 Simulation Result				
4 Experimental Design				
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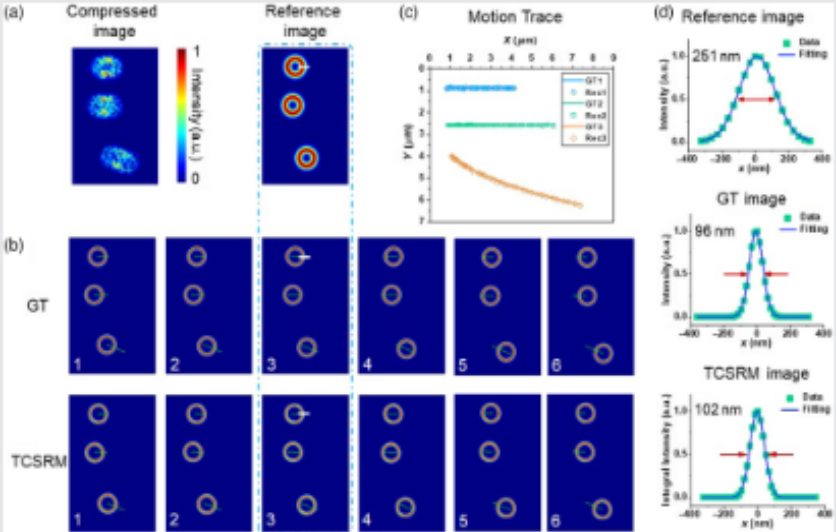
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Simulation result of moving nanorings by TCSR. (a) Compressed image and reference image measured by two channels in TCSR. (b) GT and TCSR images for six consecutive frames. The moving trajectories of the nanorings are labeled with green lines. (c) Motion traces of the three nanorings in the whole scene from GT (lines) and reconstructed result by TCSR (circles, squares, and rhombuses). (d) Radial intensity distributions of the nanorings along the white line in the reference, GT, and TCSR images (Video 1, mp4, 845 KB [URL: <https://doi.org/10.1117/1.AP.5.2.026003.s1>]).

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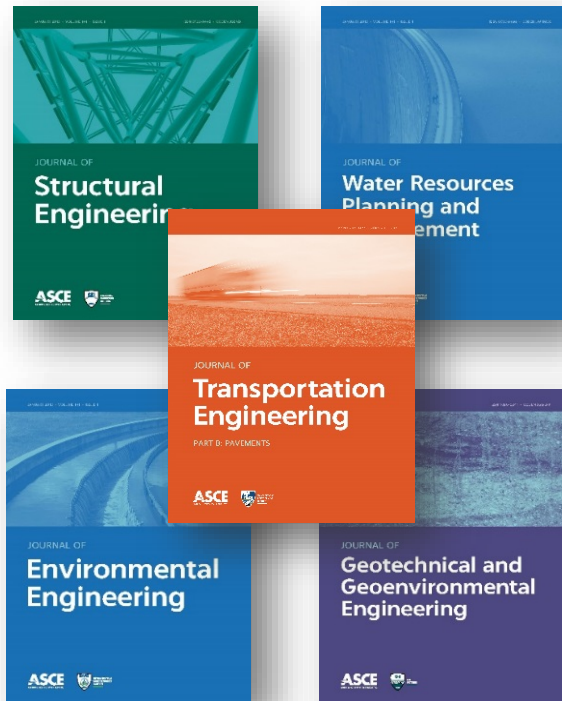
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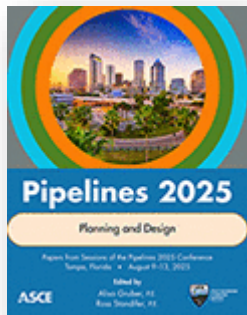
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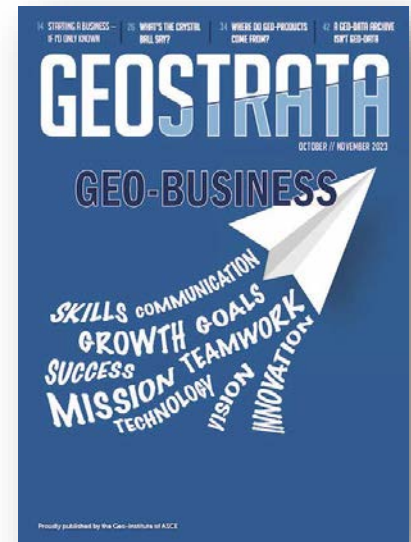
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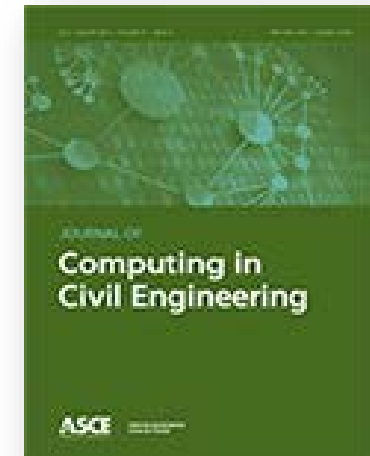
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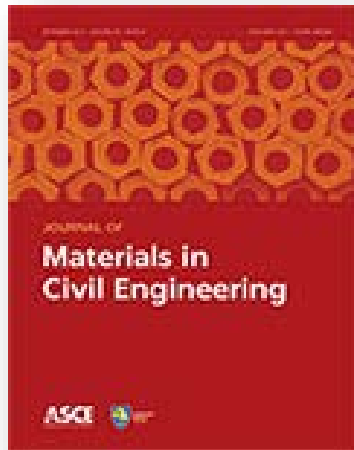


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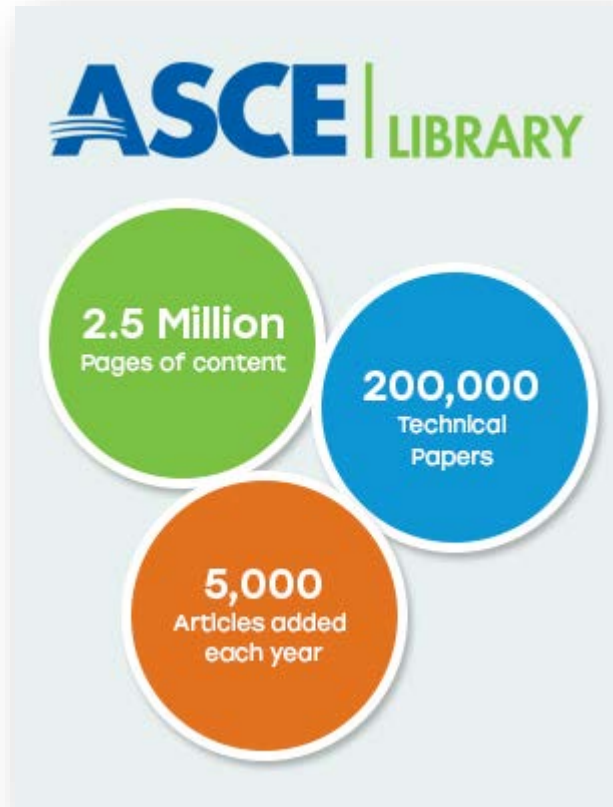
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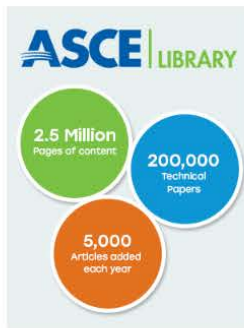
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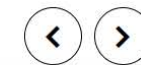
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Frangopol, Dan M	146
Reid, Robert L	136

1 - 20 of 72708 result for "concrete"

检索结果

在结果中再次检索

Select all

Technical Papers | Mar 24, 2026

Feasibility of Using Foamed Lightweight Soils with Phosphogypsum as Partial Substitute for Cement in Subgrade Engineering: Multiscale Properties and Sustainability Analysis

Yun Que, Huiqing Huang, Jinhang Liao, Yiqian Lin and Zhenliang Jiang

Journal of Materials in Civil Engineering Volume 38, Issue 6

Abstract

ABSTRACT | FULL TEXT | PDF

查看摘要、全文、PDF格式全文

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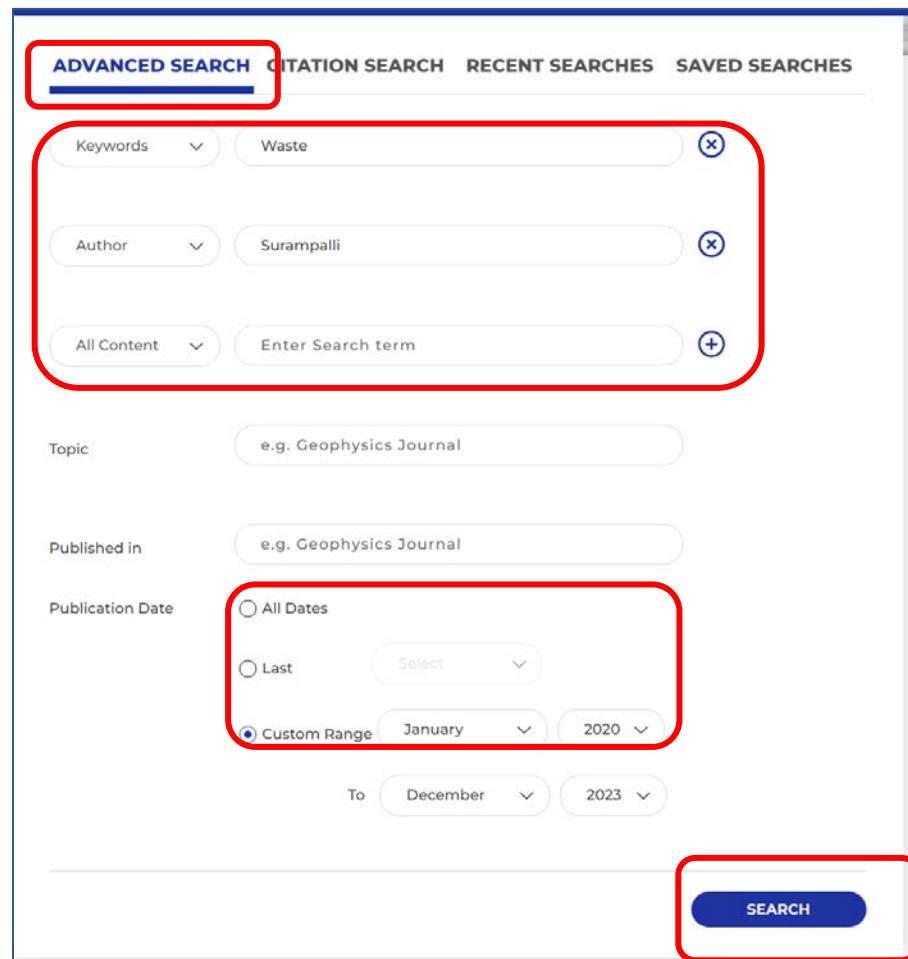
Sort by: Most recent

Relevance
Most Downloaded
Most Cited

按相关性/出版日期/高下载/高被引排序

2. 高级检索 – 同时设定更多限制条件

同时输入多个限定条件: 关键词、关键词组合、作者、出版物名称、出版时间



The screenshot shows an advanced search interface with the following elements highlighted by red boxes:


- ADVANCED SEARCH** tab selected.
- Keywords** dropdown menu.
- Waste** entered in the Keywords field.
- Author** dropdown menu.
- Surampalli** entered in the Author field.
- All Content** dropdown menu.
- Enter Search term** entered in the search field.
- Publication Date** section with **Custom Range** selected.
- January 2020** selected for the start date.
- December 2023** selected for the end date.
- SEARCH** button.

点击Search, 运行检索

检索技巧：“关键词”智能建造

Search Results

用引号将搜索词括起来，可以搜索短语的精确匹配项，即控制词语位置相邻。

“Intelligent Construction”  **ADVANCED SEARCH**

1 - 20 of 378 result for “Intelligent Construction”

Save search | RSS

Sort by: Relevance

Refine Search

Articles/Chapters | Books | Site Information

Select all | For selected items: Please Select

A System of Systems Approach to Intelligent Construction Systems
 Computing in Civil Engineering (2009) (22 - 32)
 Abstract | ABSTRACT | PDF/EPUB

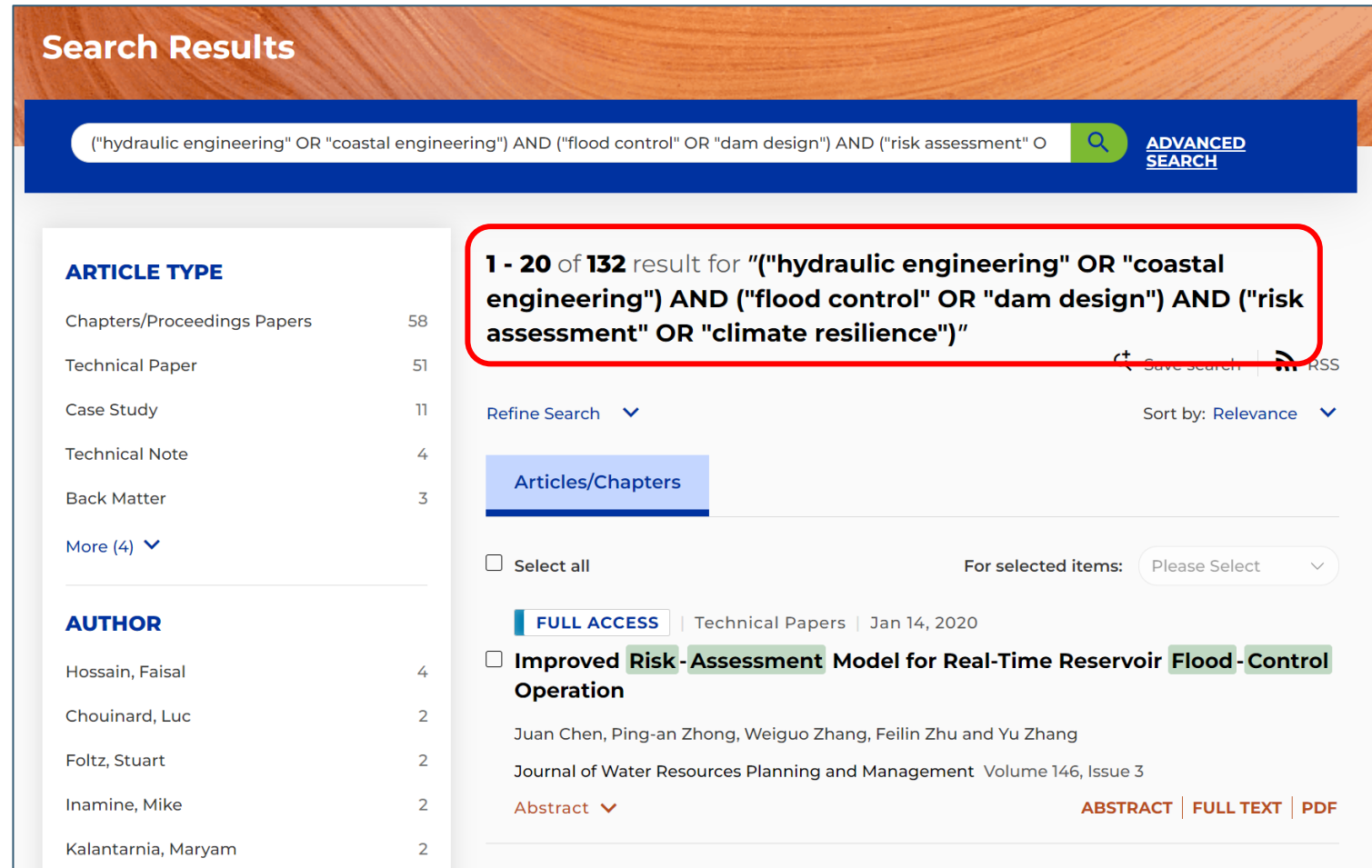
A Review on Current Advances of Intelligent Construction Based on Bibliometric Analysis

ARTICLE TYPE	
Technical Paper	188
Chapters/Proceedings Papers	150
Front Matter	14
Case Study	9
State of the Art Review	8
More (5)	

AUTHOR	
Zhang, Jiansong	49
Du, Jing	41
Ye, Yang	19
Zhou, Tianyu	19

检索技巧：组合检索词（布尔运算符、括号、引号）

在搜索字段中使用布尔运算符“AND（与）”、“OR（或）”和“NOT（非）”。默认情况下，除非指定了其他运算符，否则搜索词之间假定为“与（AND）”关系



Search Results

Search Query: ("hydraulic engineering" OR "coastal engineering") AND ("flood control" OR "dam design") AND ("risk assessment" OR "climate resilience")

1 - 20 of 132 result for ("hydraulic engineering" OR "coastal engineering") AND ("flood control" OR "dam design") AND ("risk assessment" OR "climate resilience")

ARTICLE TYPE	Count
Chapters/Proceedings Papers	58
Technical Paper	51
Case Study	11
Technical Note	4
Back Matter	3
More (4)	

AUTHOR	Count
Hossain, Faisal	4
Chouinard, Luc	2
Foltz, Stuart	2
Inamine, Mike	2
Kalantarnia, Maryam	2

Articles/Chapters

Select all For selected items: Please Select

FULL ACCESS | Technical Papers | Jan 14, 2020

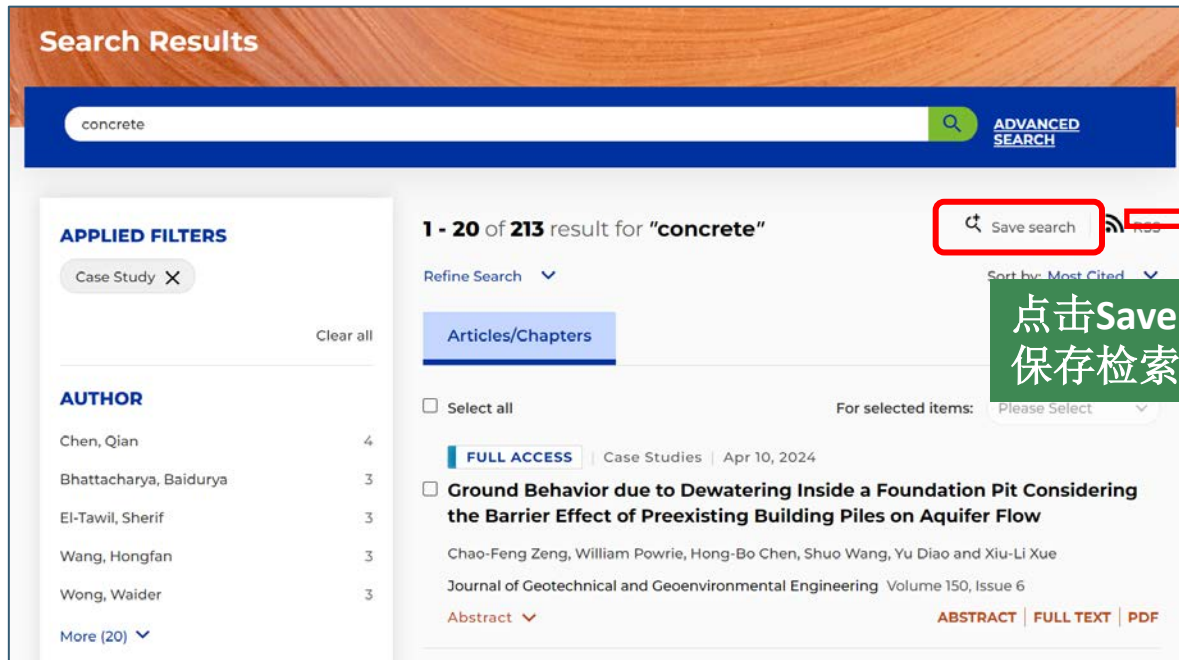
Improved Risk-Assessment Model for Real-Time Reservoir Flood-Control Operation

Juan Chen, Ping-an Zhong, Weiguo Zhang, Feilin Zhu and Yu Zhang

Journal of Water Resources Planning and Management Volume 146, Issue 3

Abstract | **ABSTRACT** | FULL TEXT | PDF

检索式的保存：通过个人账户使用（免费注册）



Search Results

concrete

APPLIED FILTERS

Case Study X

AUTHOR

Chen, Qian 4

Bhattacharya, Baidurya 3

El-Tawil, Sherif 3

Wang, Hongfan 3

Wong, Waider 3

More (20) v

1 - 20 of 213 result for "concrete"

Save search

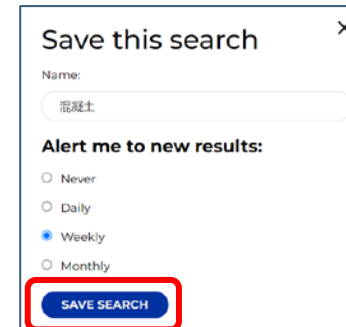
Articles/Chapters

Ground Behavior due to Dewatering Inside a Foundation Pit Considering the Barrier Effect of Preexisting Building Piles on Aquifer Flow

Chao-Feng Zeng, William Powrie, Hong-Bo Chen, Shuo Wang, Yu Diao and Xiu-Li Xue

Journal of Geotechnical and Geoenvironmental Engineering Volume 150, Issue 6

点击Save Search
保存检索式



Save this search

Name:

混凝土

Alert me to new results:

Never

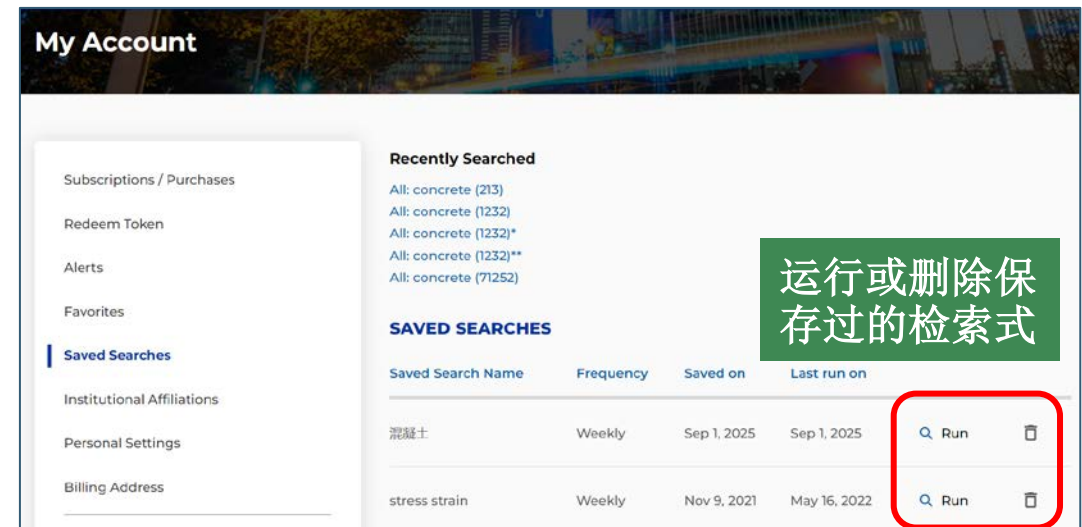
Daily

Weekly

Monthly

SAVE SEARCH

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My Account

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Personal Settings

Billing Address

Recently Searched

All: concrete (213)

All: concrete (1232)

All: concrete (1232)*

All: concrete (1232)**

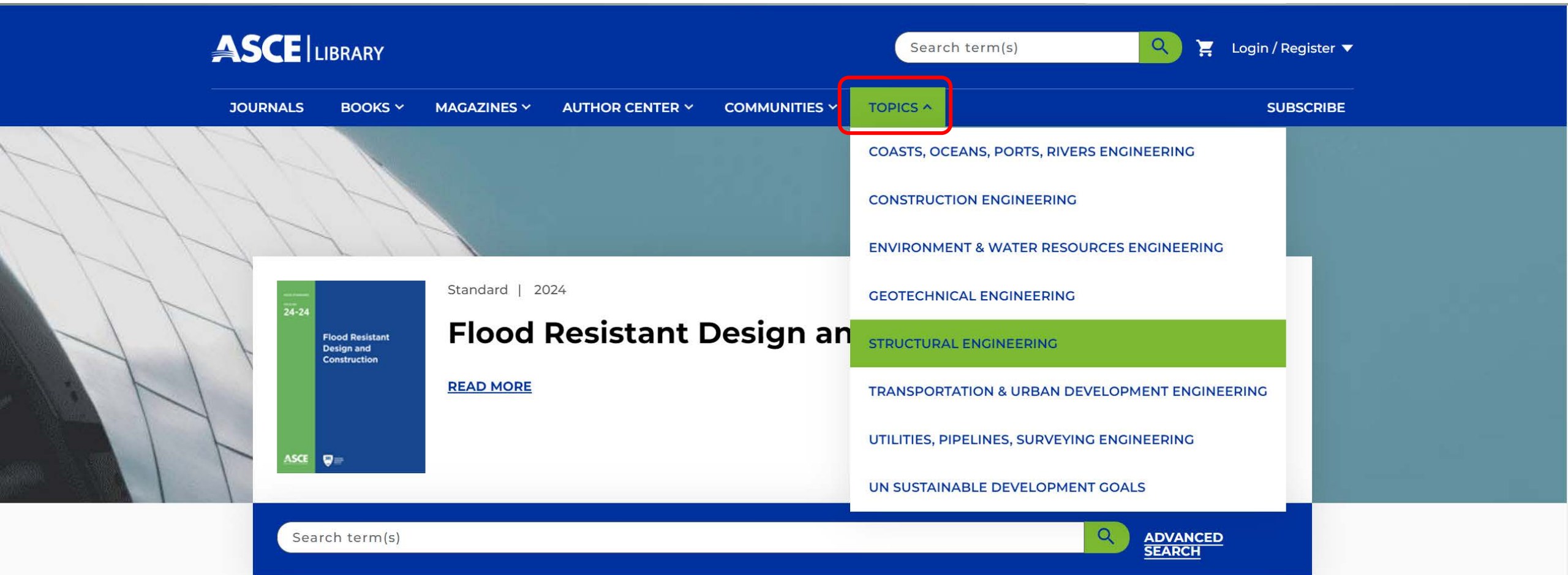
All: concrete (71252)

SAVED SEARCHES

Saved Search Name	Frequency	Saved on	Last run on	Run	Delete
混凝土	Weekly	Sep 1, 2025	Sep 1, 2025	Run	🗑️
stress strain	Weekly	Nov 9, 2021	May 16, 2022	Run	🗑️

运行或删除保
存过的检索式

参考资源：TOPICS（专题合集精选资源）



The screenshot displays the ASCE LIBRARY website interface. At the top, the ASCE LIBRARY logo is on the left, and a search bar with the text "Search term(s)" and a magnifying glass icon is on the right. Below the search bar, there are navigation links: JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, COMMUNITIES, and TOPICS. The TOPICS link is highlighted with a red box and has a dropdown menu open. The dropdown menu lists various engineering topics: COASTS, OCEANS, PORTS, RIVERS ENGINEERING; CONSTRUCTION ENGINEERING; ENVIRONMENT & WATER RESOURCES ENGINEERING; GEOTECHNICAL ENGINEERING; STRUCTURAL ENGINEERING (highlighted in green); TRANSPORTATION & URBAN DEVELOPMENT ENGINEERING; UTILITIES, PIPELINES, SURVEYING ENGINEERING; and UN SUSTAINABLE DEVELOPMENT GOALS. Below the navigation bar, there is a featured article titled "Flood Resistant Design and Construction" with a "READ MORE" link. At the bottom of the page, there is another search bar with the text "Search term(s)" and a magnifying glass icon, and an "ADVANCED SEARCH" button.

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