



OSA培训课件

the Optical Society of America

iGroup亚太资讯(中国)有限公司

- ❖ OSA及其出版物介绍
- ❖ OSA在线数据库的使用
 - 检索和浏览功能
 - 特色功能
 - 个性化服务

- ❖ 美国光学学会（the Optical Society of America）
成立于1916年，是一个科学、技术、教育性的机构，是世界上最早出版物理学期刊的出版社之一
- ❖ 目的：为了增强和传播光学的理论和应用知识，维护光学研究人员、制图师以及各种各样光学仪器的使用者的共同利益，并且促进他们之间的合作
- ❖ 目前已有70,000名会员，遍及134个国家，包括光学和光子学领域的科学家、工程师、教育家、技术人员及企业领导者
- ❖ 除了光学和光子学领域，还为物理学、生物学、医学、电气工程、通讯、天文学、气象学、材料科学、机械工程和计算等诸多领域的专家学者提供高水准的信息服务

- ❖ 11种高品质期刊
 - Applied Optics
 - JOSA A: Optics, Image Science & Vision
 - JOSA B: Optical Physics
 - Optics Letters
 - Optics Express (Open Access)
 - Journal of Optical Networking (仅在线出版)
 - Optics & Photonics News
 - Optics News
 - Advances in Optics and Photonics (仅在线出版)
 - *Virtual Journal for Biomedical Optics* (仅在线出版)
 - *Spotlight on Optics*

- ❖ 7本合作出版期刊
 - Journal of Lightwave Technology
 - Journal of Optical Technology
 - Journal of Display Technology
 - Chinese Optics Letters
 - Applied Spectroscopy
 - Journal of Optical Communications and Networking
 - Journal of the Optical Society of Korea

OSA会议录

- ❖ 国际会议文献系列出版物；
- ❖ 反映了光学领域的最新进展和动态；
- ❖ 收录了自1979年以来的260卷会议录，包括约55,000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；

2个特别专题

——Beginning of the Laser Era in the USSR

在激光发明50周年纪念之际，OSA推出《前苏联激光时代的开始》这个特别专题。专题收录了对激光科学和量子电子学有重大影响、开创性的前苏联研究论文。部分文章从来没有被翻译成英文，在前苏联之外的地区发行。专题包括25篇文章全文（Open Access模式），文章每一页都有对应的俄文原文对照，提供给大家参考。

——Early OSA Presidents

收录1916到1952年间的20位OSA总裁发表在OSA出版物上的论文。

OSA出版物影响力

2009 Ranking in Optics Category in JCR

Journal	2009 Impact Factor	2009 Total Cites	Impact Factor Ranking	Total Cites Ranking
Optics Letters	3.059	36454	6	2
Optics Express	3.278	32080	3	3
JLT	2.185	12227	9	8
JOSA B	2.087	10236	11	10
JOSA A	1.67	11591	19	9
Applied Optics	1.41	27772	24	4
JON	1.489	556	21	37
Journal of Display Technology	1.928	424	14	42

OSA主要期刊介绍

❖ Optics Letters (OL) 《光学快报》

- OSA最广泛应用的同行评审刊，用简短的篇幅提供光学领域内最新的研究成果
- 内容覆盖：大气光学、量子电子学、傅立叶光学、综合光学、纤维光学等学科主题
- 2009年JCR收录的光学领域70本期刊中，OL的影响因子排名第6，引用量排名第2

OSA主要期刊介绍

❖ Optics Express (OpEx) 《光学快讯》

- 开放获取电子学术期刊
- 提供光学领域内最新发展研究
- 2009年JCR收录的光学领域70本期刊中，OpEx的影响因子排名第3，引用量排名第3
- 每两周出版一期

OSA主要期刊介绍

❖ JOSA A

- 专注于经典光学、图像科学与视觉领域的发展
- 每月一期
- 内容覆盖大气光学、图像处理、散射与相干性理论、机器视觉、统计光学、衍射光栅、偏振、薄膜、信号处理、色彩、生理光学、临床视觉、视光学等
- 2009年JCR收录的光学领域70本期刊中，影响因子排名第19，引用量排名第9



OSA主要期刊介绍

❖ JOSA B

- 作为JOSA A的补充，专注于量子光学、激光、非线性光学
- 内容覆盖：激光、纤维光学、非线性光学、光学相干瞬变、多光子作用、激光辐射影响、光谱学、光学超材料、光子晶体、超快现象、光折变等
- 每月一期
- 2009年JCR收录的光学领域70本期刊中，影响因子排名第11，引用量排名第10

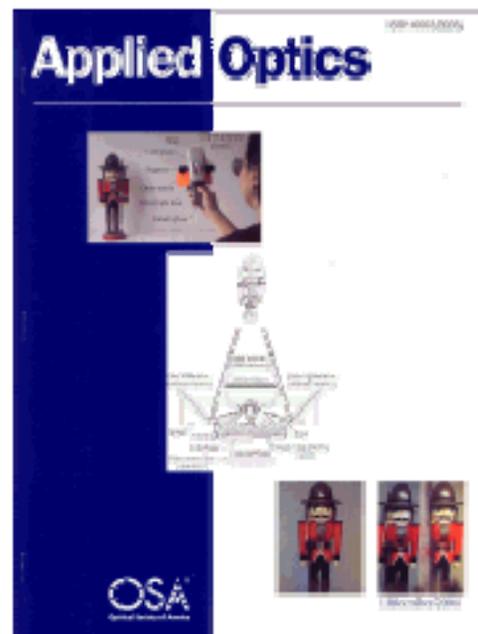


OSA主要期刊介绍

❖ Applied Optics (AO)

《应用光学》

- 光学领域研究人员的必读刊物
- 多方面报道光学的重大应用：光学检测和光学仪器、医学光学、激光全息、光神经网络、激光雷达和遥感、激光材料处理
- 2009年JCR收录的光学领域70本期刊中，引用量排名第4
- 每月三期

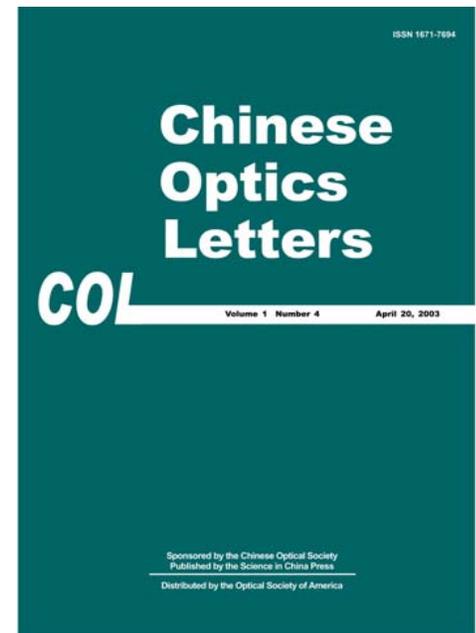


OSA主要期刊介绍

❖ Chinese Optics Letters (COL)

《中国光学快报》

- ❖ 科学出版社出版，中国光学学会主办，中国科学院上海光学精密机械研究所承办，由中国科学院院士徐至展教授任主编
- ❖ 前身是Chinese Journal of Lasers B (中国激光B)，国内光学领域最早的一本英文版期刊
- ❖ 刊载创造性和实用价值的学术论文、研究快报、研究通讯
- ❖ 2009IF是0.804，在JCR收录的光学领域70本期刊中，引用量排名第4



数据库平台基本功能介绍

- ❖ OSA平台简介
- ❖ 平台基本功能介绍
 - 基本检索
 - 高级检索
 - 期刊浏览
 - 会议录浏览

OSA 数据库平台

- ❖ Optics InfoBase, OSA开发的基于网络的光学知识数据库
- ❖ 收录OSA所有期刊超过170,000篇论文，数据最早回溯到1917年；
- ❖ 收录自1979年以来的260卷OSA会议录，包括约50,000篇文章
- ❖ 访问www.opticsinfobase.org

Optics InfoBase 主页

The screenshot shows the Optics InfoBase website homepage. At the top, there is a navigation bar with the logo, a search bar, and links for RSS Feed, Email Alerts, OSA, Contact Us, Subscribe, and Login. Below the navigation bar, there are several main sections: a left sidebar with navigation links, a central content area with journal and conference listings, and a right sidebar with news and download statistics. Three yellow callout boxes highlight specific features: '浏览期刊和会议录' (Browse Journals and Proceedings) points to the 'OSA Journals' and 'Partnered Journals' sections; 'OSA出版物新闻' (OSA Publication News) points to the 'What's New' section; and two boxes highlight '每月下载量排名前三的文章' (Top 3 articles by monthly download volume) and '每本刊月下载量排名前十的文章' (Top 10 articles by monthly download volume per journal), both pointing to the 'Top Article Downloads' section.

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quality precision experience
wavefront analysis
adaptive optics
Imagine Optic

Spotlight on Optics
HIGHLIGHTED ARTICLES FROM OSA JOURNALS

ISP
OSA Interactive Science Publishing
Already Tried ISP? Take the Survey!

Journal of Optical

Optics InfoBase

OSA Journals

- J. Opt. Soc. Am. A
- J. Opt. Soc. Am. B
- Applied Optics
- Optics Letters
- Optics Express
- Adv. Opt. Photon. (New!)
- J. Opt. Netw. (2002-2009)
- J. Opt. Soc. Am. (1917-1983)
- Virtual J. Biomed. Opt.
- Optics & Photonics
- Spotlight on Optics

Partnered Journals

- J. Opt. Commun. Netw. (New!)
- J. Lightwave Technol.
- J. Opt. Technol.
- J. Display Technol.
- Chinese Optics Letters
- Applied Spectroscopy

OSA Conferences

- Conference Papers

What's New

- Jul 29 2009: Integrated Photonics and Nanophotonics Research and Applications, Nonlinear Optics: Materials, Fundamentals and Applications, and Slow and Fast Light conference papers are now available. Image of the week August 3, 2009
- Jul 17 2009: Spotlight on Optics - with highlighted articles from OSA journals - is now live!
- Jun 30 2009: The 2009 Optics and Photonics for Advanced Energy Technology papers are now available.

More News

Top Article Downloads

June 2009

Open Access Journals

- Plasmonic solar cells
- Integration of plasmonic trapping in a microfluidic...
- Harmonic generation beyond the Approximation:...

Subscription Journals

- Photonic band-gap structures
- Focusing subwavelength light through nanoholes in a...
- Laser Beams and Resonators

Top Downloads by Journal

Top Downloads: June 2009

- Adv. Opt. Photon.
- Appl. Opt.
- J. Opt. Netw.
- J. Opt. Soc. Am. A
- J. Opt. Soc. Am. B
- Opt. Express
- Opt. Lett.

Basic Search

Search across a help, read our se

浏览期刊
和会议录

OSA出版
物新闻

每月下载
量排名前三的文章

每本刊月
下载量排名前十的文章

基本检索

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- [J. Opt. Netw.](#)
- [Adv. Opt. Photon. \(New in 2009\)](#)
- [J. Opt. Soc. Am. \(1917-1983\)](#)
- [Virtual J. Biomed. Opt.](#)
- [Optics & Photonics News](#)

Partnered Journals

- [J. Lightwave Technol.](#)
- [J. Opt. Technol.](#)
- [J. Display Technol.](#)
- [Chinese Optics Letters](#)
- [Applied Spectroscopy](#)

OSA Conferences

- [Conference Papers](#)

ToC Categories

- [Recent ToC Categories \(Beta\)](#)

Basic Search

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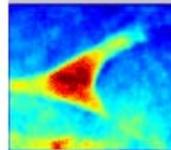
[Search Tips](#)

Search across all available journals and conference papers published by OSA. If you need help, read our search tips, or browse by topic.

[Search](#)

[New Search](#)

What's New

- Oct 31 2008** : OSA's Interactive Science Publishing Initiative Launches with Research on Breathing Disorders and Congenital Heart Defects and Silicon Optical Fiber Made Practical

Image of the week
November 17, 2008
- Oct 15 2008** : OSA's first Interactive Science Publishing papers are now published.
- Oct 02 2008** : We are pleased to announce the launch of the new Optics InfoBase site.

[More News](#)

Top Article Downloads

October 2008

Optics Express

- Real-time digital holographic microscopy using the graphic...
- The optical cell rotator

Other OSA Journals

- Achromatic diffraction from polarization gratings with high...
- Parallel confocal detection of single molecules in real time
- Laser Beams and Resonators

高级检索

可选择的检索
为：全部记录
名、作者、文
作者单位和

Basic Search | **Advanced Search** | Lookup / Browse | **Search Tips**

- All Conferences --
- Journals Only --
- AO
- AOIPM
- APMED
- ASLA
- ASSL
- ASSP
- BGPP
- BIO
- BIOMED
- BOSD
- CLEO
- CLEO_E
- CLEOPR
- COSI
- COTA
- CQO
- DH
- DLAI
- DOMO
- ECBO
- ETOP
- FiO
- FTA
- FTS
- HFSW
- HISE
- ICIS
- ICQI

- (000) General
- (010) Atmospheric and oceanic optics
- (020) Atomic and molecular physics
- (030) Coherence and statistical optics
- (040) Detectors

Basic Search | Advanced Search | Lookup / Browse | **Search Tips**

Improve efficiency in your search by using wildcards. Try using:

1. **Question mark (?)** - Example: "bo?t" retrieves documents containing "boat," "boot," and "bolt."
2. **Asterisk (*)** - Example: "elect*" retrieves documents containing "electron," "electronic," "electricity."

OCIS: Optics Classification and Indexing Scheme 《光学分类与标引体系表》，用来确定文章所属的类目，由**OSA**定期修订

Limit Results by Content Type:

- Interactive Science Publishing (ISP)
- Spotlight on Optics
- Articles containing Multimedia

List Results By: Relevance

Search

New Search

检索规则——检索字段解释

字段名称	字段代码	字段含义
Full Record		全字段（全文）
Title		文献题名
Author	au	作者
Abstract	ab	文摘

支持词根检索；

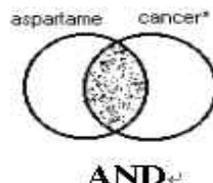
使用双引号精确匹配；

例：输入“**solid-state laser**”，只查找

solid-state laser，而不是**solid-state AND laser**

检索规则

逻辑运算符

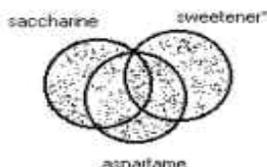


AND

检索结果中必须出现所有的检索词。

TOPIC: **aspartame AND cancer***

检索到的文献既包含 *aspartame* 也包含 *cancer**

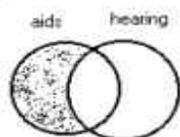


OR

检索结果必须出现任一检索词，当检索词有多种拼法或有几个同义词时，使用 OR 运算符。

TOPIC: **aspartame OR saccharine OR sweetener***

检索到的文献至少包含其中的一个词。



NOT

检索结果中不应该出现包含某一检索词的文章。

TOPIC: **aids NOT hearing**

检索到的文献包含 *aids*, 但都不包含 *hearing* 的文件。

布尔词

通配符

DESCRIPTIONS	VALID SYNTAX	EXAMPLES
Wildcard Characters:		
Specify one and only one character (You can use a ? to specify the first letter of a word)	?	p?oton (<i>finds</i> proton, photon)
Specify zero or more characters (You cannot use a * to specify the first letter of a word)	*	neutr* (<i>finds</i> neutron, neutrino, ...)

检索规则——作者名

- ❖ 检索词: "Smith, J"
- ❖ 匹配结果: Smith, Jodie; Smith, John Boris; Smith, J S; Smith, John B; Smith, Jodie; Smith, John;
- ❖ 而不是: Smith, Louis John; Smith, L J; Smith, Robert

- ❖ 检索词: "Smith, B J"
- ❖ 匹配结果: Smith, B J; Smith, Brian J; Smith, Brian D; Smith, Ben; Smith, Barham W; Smith, Barry
- ❖ 而不是: Smith, Jones; Smith, J Bruce

OSA数据库平台检索实例

研究方向——染料敏化太阳能电池

关键词：染料敏化 **Dye-sensitized、
dyes sensitized、dye sensitization**
太阳能电池 **solar cell、solar cells、
photo cells、photovoltaic cell**

检索式：**"Dye* sensitiz*"**

AND("solar cell*"OR"photo* cell*")

提示：
使用通配符*，可检索到比词根的派生词更多的词汇；

高级检索实例

Basic Search **Advanced Search** Lookup / Browse Search Tips

If you need help, read our search tips, or browse by topic.

Full Record

Title

Author

Abstract

Affiliation

Year to

OCIS Keywords:

TOC Categories:

Technical Groups:

Journal:
Search multiple journals

Conference:

Limit Results by Content Type:

Interactive Science Publishing (ISP) 

Spotlight on Optics 

Articles containing Multimedia 

List Results By:

输入检索式

"Dye* sensitiz*"AND("solar cell*"OR"photo* cell*")

Search for authors' names in the following format: "Smith" or "Smith, A"

检索结果

- Home
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- OSA
- Help
- Early Posting
- Interactive Pubs (ISP)

- Authors
- Librarians
- Member Subscribers

quality precision experience
wavefront analysis
adaptive optics



Spotlight on Optics

HIGHLIGHTED ARTICLES
FROM OSA JOURNALS

ISP
OSA Interactive Science Publishing

Already Tried ISP?
Take the Survey!

Journal of Optical
Communications
and
Networking

A new journal copublished
by OSA and IEEE



Optics InfoBase > Search Results

You searched for full record: "Dye* sensitiz*"AND("solar cell*"OR"photo"

Save This Search | Get RSS Feed

<< Previous Results 1-2 of 2 Sort By: Relevance | Most Recent

Export and save citations. Select articles then choose an action.

Select all

重新排

Research on performance of hybrid organic dyes-sensitized solar cell

[Abstract](#) | [Full Text: PDF](#)

- Chinese Optics Letters, Vol. 4 Issue 6, pp.357-359 (2006)
- Sun, Lei; Yuan, Weizheng; Qiao, Dayong
- The hybrid sensitizer rhodamine B and coumarin or eosin and coumarin is used to sensitize the nanocrystalline porous films. Absorption of the nanocrystalline photovoltaic cell (NPC)

Optical Waveguide Enhanced Photovoltaics

[Abstract](#) | [Full Text: PDF](#)

- Optics Express, Vol. 16 Issue 26, pp.21801-21806 (2008)
- Rühle, Sven; Greenwald, Shlomit; Koren, Elad; Zaban, Arie
- Enhanced light to electric power conversion efficiency of photovoltaic cells with a low loss waveguide was achieved using waveguide integration. We present a proof of concept using a...

进一步细分
检索结果

Frequent OCIS Categories:

学科分布

- [Optoelectronics](#)
 - [Optoelectronics](#) (1)
- [Spectroscopy](#)
 - [Spectroscopy](#) (1)
- [Thin films](#)
 - [Thin films](#) (1)

Frequent Journals:

期刊分布

- [Optics Express](#) (1)
- [Chinese Optics Letters](#) (1)

Select an OCIS Code to filter

- [Optoelectronics](#) (1)
- [Other areas of optics](#) (1)
- [Spectroscopy](#) (1)
- [Thin films](#) (2)

Select a Journal/Conference to filter

- [Optics Express](#) (1)
- [Chinese Optics Letters](#) (1)

本部分内容

❖ 平台基本功能介绍

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- 高级检索
- 期刊浏览
- 会议录浏览

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 - J. Opt. Netw. (2002-2009)
 - J. Opt. Soc. Am. (1917-1983)
 - Virtual J. Biomed. Opt.
 - Optics & Photonics News
 - Spotlight on Optics (New!)
- Partnered Journals --
 - J. Opt. Commun. Netw. (New!)
 - J. Lightwave Technol.
 - J. Opt. Technol.
 - J. Display Technol.
 - Chinese Optics Letters
 - Applied Spectroscopy
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- Jul 29
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- Jul 17
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- Focusing subwavelength light by using nanoholes in a...
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Spotlight on Optics
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Journal of Optical

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- J. Opt. Netw. (2002-2009)
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- Applied Spectroscopy

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- Conference Papers

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Journal

Volume Issue Page #

Lookup Conference Papers

Conference

Session or Paper # Year

Browse by Journal and Year

Journal Year

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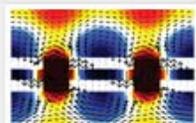
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David DiLaura

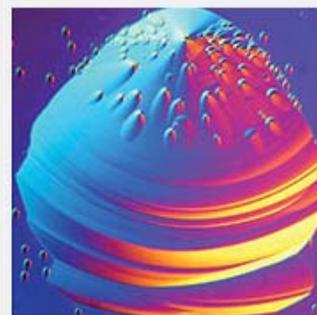


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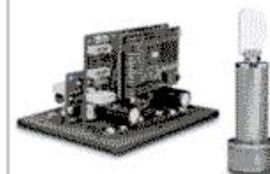
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ASSL	Advanced Solid State Lasers	1985-1987, 1989-2002
ASSP	Advanced Solid-State Photonics	2003-2008
BGPP	Bragg Gratings, Photosensitivity, and Poling in Glass Waveguides	1999, 2001, 2003, 2007
BIO	Biomedical Topical Meeting	1999, 2002, 2006
BIOMED	Biomedical Optics	2008
BOSD	Biomedical Optical Spectroscopy and Diagnostics	1996, 1998, 2000
CLEO	Conference on Lasers and Electro-Optics	2003-2008
CLEO/Europe	The European Conference on Lasers and Electro-Optics	2007
CLEOPR	Conference on Lasers and Electro-Optics/Pacific Rim	2007
COSI	Computational Optical Sensing and Imaging	2005, 2007
COTA	Coherent Optical Technologies and Applications	2006
CQO	Conference on Coherence in Quantum Optics	2007 (Contributed papers)
DH	Digital Holography and Three-Dimensional Imaging	2007, 2008
DLAI	Diode Pumped Solid State Lasers: Applications and Issues	1998
DOMO	Diffractive Optics and Micro-Optics	2000, 2002, 2004
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- Li, Jinhong; Yang, Ailin; Lü, Baida
- Taking the partially coherent Hermite-sinh-Gaussian (H-ShG) beam as a more general type of partially coherent beams, a comparative study of the beam-width spreading of partially...

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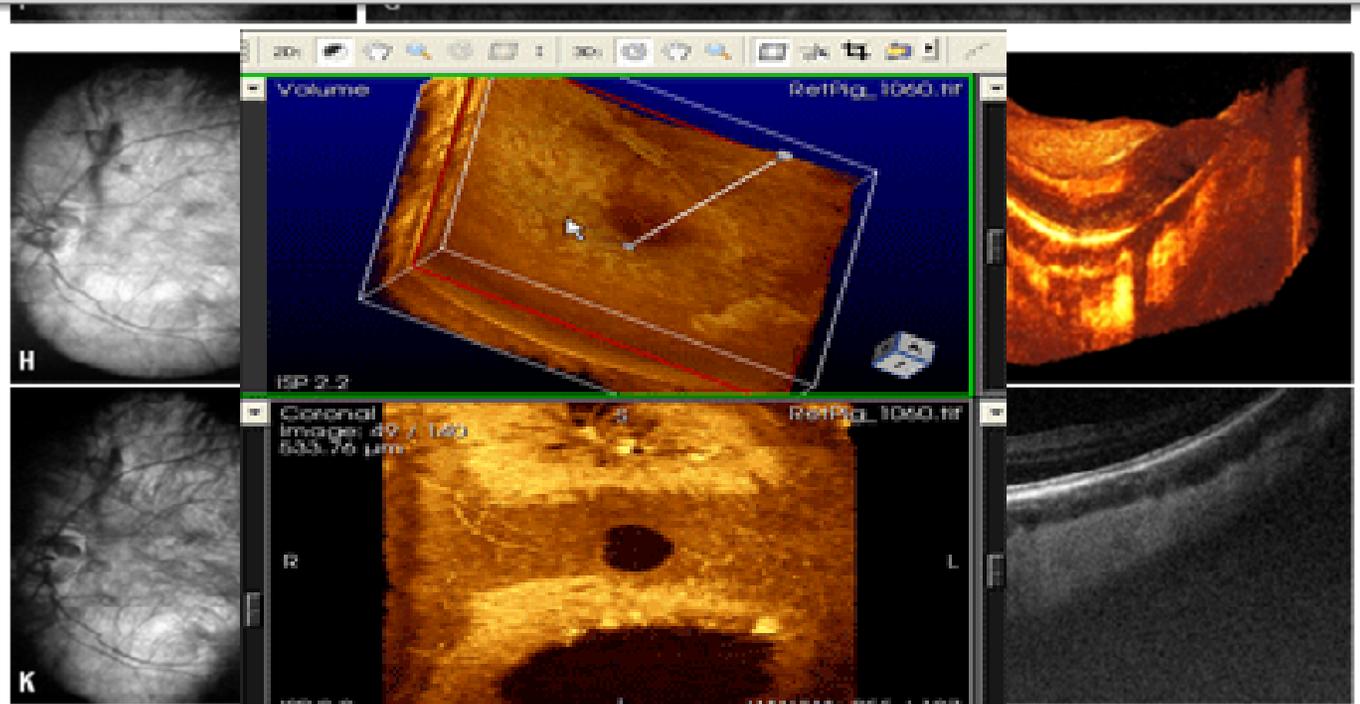
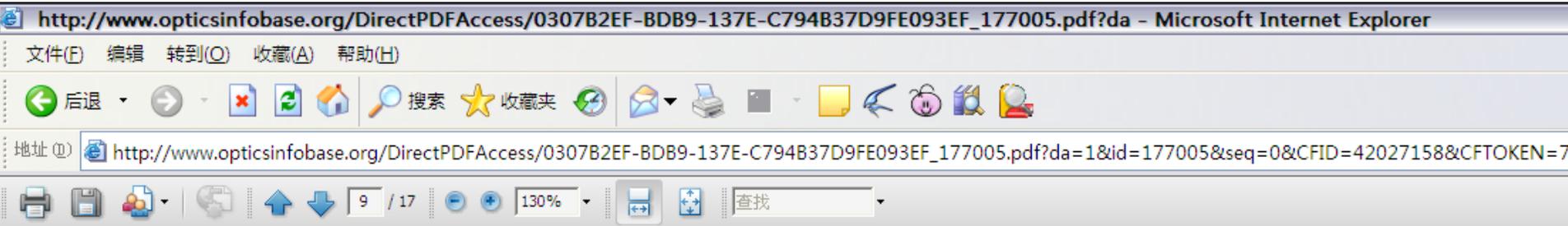


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RSS Feeds

The screenshot displays the FeedDemon 2 interface. In the top-left menu, the '订阅 (S)' (Subscribe) button is circled in red. A red arrow points from this button to the '订阅' (Subscribe) dialog box. The dialog box has a title bar '订阅' and contains the following elements:

- 订阅一个 Feed** (Subscribe to a Feed)
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- Input field: Contains 'http://'
- Text: 如果您并不知道这个网址, 请输入该网站的首页地址, 那么FeedDemon 将尝试自动发现 Feed. (If you don't know this URL, please enter the homepage address of the website, then FeedDemon will attempt to automatically discover the Feed.)
- Checkbox: 订阅 Feed 前先下载并验证 (Download and verify before subscribing to the Feed)
- Buttons: 预览 (Preview), < 上一步 (B) (Previous Step), 下一步 (N) > (Next Step), 取消 (Cancel)

The background shows a web browser window with the URL 'http://www.opticsinfobase.org/' and a list of categories on the left, including 'Optics', 'In si...', 'Optic...', 'Proce...', 'Optic...', 'Coole...', 'Three...', 'Warro...', 'Infra...', 'Holog...', 'Digit...', 'Spher...', 'Holog...', 'Infor...', 'Speck...', 'Excee...', 'Measu...', 'Optic...', 'Field...', 'Stati...', 'Diode...', 'Exten...', 'Aniso...', 'Broad...', 'Impro...', 'Log-p...'. A yellow callout box points to the URL input field with the text '输入复制的地址' (Enter the copied address).

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