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Optical coherence tomography today: speed, contrast, and multimodality (*J. Biomedical Optics*; 2014) Open Access

Integrated optical waveguide and nanoparticle based label-free molecular biosensing concepts (*Proceedings of SPIE*; 2014)

Communications & Information Technology
Mid-infrared integrated optics: versatile hot embossing of mid-infrared glasses for on-chip planar waveguides for molecular sensing (*Optical Engineering*; 2014) Open Access

Six microelectrodes assembly for tunable optical fibers (*Proceedings of SPIE*; 2014)

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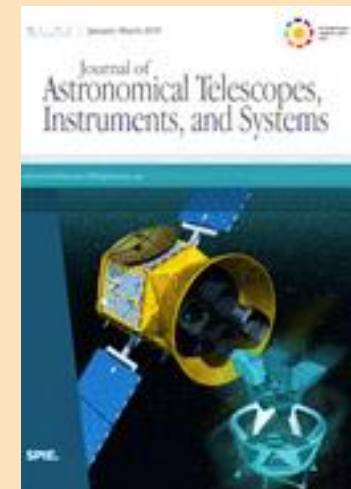
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Author Spotlight



Tuan Vo-Dinh
Duke University (United States)
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Tuan Vo-Dinh will present his latest work at [SPIE's Biophotonics South America 2015 Plenary Session](#). Read his recent article: [Micovascular integration into porous polyHEMA scaffold](#).

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Volume 2426

9th Meeting on Optical Engineering in Israel

Itzhak Shladov; Yitzhak Wiessman; Natan Kopeika

Tel-Aviv, Israel | October 25, 1994

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Optics in Medicine and Biology

4

Low-cost workstation for quantitative fluorescence microscopy and gel analysis
I. Friedberg, J. Orly, A. C. Chavel, Aryeh M. Weiss
Proc. SPIE 2426, 9th Meeting on Optical Engineering in Israel, 2 (June 6, 1995); doi: 10.1117/12.211171
TOPICS: Luminescence, Microscopy, Video, Cameras, Frame grabbers, Image processing, CCD cameras, Calibration, Data analysis, Data storage, Digital cameras

Image processing of radiographs for the early detection of bone loss
Isaac Leichter, Victor Neeman, Meir Liebergall
Proc. SPIE 2426, 9th Meeting on Optical Engineering in Israel, 14 (June 6, 1995); doi: 10.1117/12.211182

Measurement of thermally insulated skin temperature using an infrared fiber
Meir Nitzan, Aner Lev, Boris Khanokh
Proc. SPIE 2426, 9th Meeting on Optical Engineering in Israel, 19 (June 6, 1995); doi: 10.1117/12.211194

Portable imaging polarized light analyzer

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Low-cost workstation for quantitative fluorescence microscopy and gel analysis

I. Friedberg ; J. Orly ; A. C. Chavel ; Aryeh M. Weiss

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From Conference Volume 2426

9th Meeting on Optical Engineering in Israel
Itzhak Shladov; Yitzhak Wiessman; Natan Kopeika
Tel-Aviv, Israel | October 25, 1994

Abstract

abstract

Quantitative digital microscopy and analysis of fluorescence gels are examples of applications where images are acquired, usually with a video camera and frame grabber, for further processing and analysis. The use of a standard video camera and frame grabber creates problems in the subsequent data analysis, due to the nonlinear relation between the camera output and the optical input, and due to pixel jitter. In addition, the data are degraded by conversion to a standard video format followed by sampling at a rate

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Citation *I. Friedberg ; J. Orly ; A. C. Chavel and Aryeh M. Weiss*

"Low-cost workstation for quantitative fluorescence microscopy and gel analysis", *Proc. SPIE 2426, 9th Meeting on Optical Engineering in Israel, 2 (June 6, 1995); doi:10.1117/12.211171; <http://dx.doi.org/10.1117/12.211171>*

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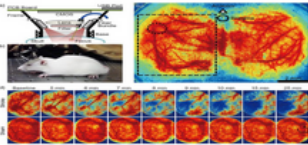


Journal of Biomedical Optics

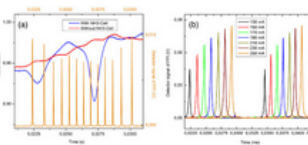
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Ismail Bayrakli; Hatice Akman

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- Ultrasensitive detection and optical clinical chemistry
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- Endoscopic systems and applications
- Biospectroscopy and optoelectronic instrumentation
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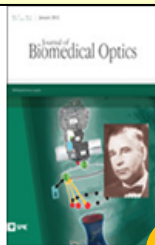
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Marco Ferrari; David T. Delpy; David A. Benaron
J. Biomed. Opt. 1 (4), 361 (October 01, 1996); doi: 10.1117/12.256755
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[Use of near infrared spectroscopy for the clinical monitoring of adult brain](#)
Peter J. Kirkpatrick; Piotr Smielewski; Joseph M. K. Lam; Pippa G. Al-Rawi
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Fluorescence lifetime imaging ophthalmoscopy in type 2 diabetic patients who have no signs of diabetic retinopathy

Dietrich Schweitzer ; Lydia Deutsch ; Matthias Klemm ; Susanne Jentsch ; Martin Hammer ; Sven Peters ; Jens Hauelsen ; Ulrich A. Müller ; Jens Dawczynski

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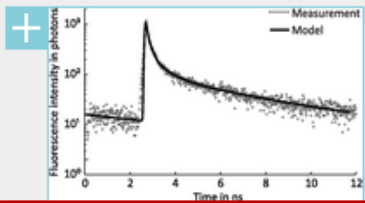
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Abstract. The time-resolved autofluorescence metabolic alteration in diabetic patients with eye from 37 phakic and 11 pseudophakic patients, 25 phakic and 23 pseudophakic healthy subjects. The exponential fit of the decay of autofluorescence and relative contributions Q_i were statistically

Fig. 1

F1 :

Tailfit of a paramacular pixel by a three-exponential model function. The parameters are $\alpha_1 = 82.3\%$, $\alpha_2 = 11.3\%$, $\alpha_3 = 6.4\%$, $\tau_1 = 105$ ps, $\tau_2 = 61$ ps, $\tau_3 = 4294.4$ ps, and $\chi^2_r = 1.14$.



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The screenshot shows the SPIE Digital Library homepage. At the top left is the SPIE Digital Library logo. To its right is a search bar containing the text "Refractive indices" with a yellow circle labeled "1" next to it. Further right is a black "SEARCH" button and a link to "ADVANCED SEARCH" with a yellow circle labeled "2" next to it. Below the search bar is a navigation menu with links: HOME, PROCEEDINGS, JOURNALS, eBooks, TOPIC COLLECTIONS, and LIBRARIANS. The main content area features a large banner with a yellow and black background. The yellow part says "The world's largest collection of optics & photonics applied research". The black part has a grid of blue dots and a yellow bar with the text "IMAGING SENSORS". Below the banner is a section titled "Top Downloads from SPIE Journals and Proceedings". On the right side, there is a "New Content" section with links to "SPIE Asia Pacific Remote Sensing 2014" and a new eBook "Fundamentals of Dispersive Optical Spectroscopy Systems" by Wilfried Neumann. Below that is a "Featured Video" section showing a video of a man in a white shirt and tie, with the SPIE.TV logo and a play button icon. The video title is "Pierre Berini: Plasmonic detection of dengue could address major world health problem" and it includes a link to the article "Surface plasmon enhanced".

1 Введите поисковый запрос в строку поиска

2 Для более точного запроса воспользуйтесь опцией «Расширенный поиск» (позволяет ввести несколько поисковых атрибутов)

[Вернуться к содержанию](#)

Search Results for
refractive indices

NARROW

Results

- ☒ All Content
- ☐ My Content

Content Type

Journal Articles (3761)
Proceedings (2342)
eBooks (70)

Topics

- ☐ Refractive index (2193)
- ☐ Lasers (1001)
- ☐ Absorption (804)
- ☐ Tissues (738)
- ☐ Simulations (690)
- ☐ Sensors (680)
- ☐ Waveguides (634)
- ☐ Scattering (587)
- ☐ Optical properties (476)
- ☐ Polarization (471)

Filters

- ☐ Free (1)
- ☐ Open Access (632)
- ☐ Has Supplemental Content (50)
- ☐ Has Multimedia (103)

Specify Date Range

From:

mm/dd/yyyy

To:

mm/dd/yyyy

Showing 1 – 20 of 6173

SORT: **Best Match** | [Most Recent](#) | VIEW: **Basic** | [Expanded](#)

Research Papers: General | July 28, 2014

PDF

Investigation of influences of the paraformaldehyde fixation and paraffin embedding removal process on **refractive indices** and scattering properties of epithelial cells

Jing-Wei Su; Wei-Chen Hsu; Jeng-Wei Tjiu; Chun-Pin Chiang; Chao-Wei Huang; Kung-Bin Sung
J. Biomed. Opt. 2014; 19(7):075007. doi: 10.1117/1.JBO.19.7.075007

Proceedings Article | May 21, 2011

PDF

Methods for determination of the main **refractive indices** of anisotropic layers

C. F. Dascalu; B. C. Zelinschi; D. O. Dorohoi

Proc. SPIE. 8001, International Conference on Applications of Optics and Photonics, 80012I. (May 21, 2011) doi: 10.1117/12.888339

Instrumentation, Measurement, and Metrology | July 06, 2012

PDF

Single and multiple transmissions Pankove procedures for measuring spectral **refractive indices** of slab material from its spectrophotometric measurements

El-Sayed El-Zaiat; Samy Farag

Opt. Eng. 2012; 51(7):073604-1. doi: 10.1117/1.OE.51.7.073604

Proceedings Article | May 13, 2010

PDF

Measurement of **refractive indices** and optical axis of a uniaxial crystal assisted by Brewster angle and reflectivity fitting techniques

J. H. Xing

Proc. SPIE. 7656, 5th International Symposium on Advanced Optical Manufacturing and Testing Technologies: Optical Test and Measurement Technology and Equipment, 76561P. (May 13, 2010) doi: 10.1117/12.864200

Optical Fabrication | August 01, 2006

PDF

Measurement of **refractive indices** of 20 optical materials at low temperatures

Tomoyasu Yamamuro; Shuji Sato; Takahiro Zenno; Norihide Takeyama; Hideo Matsuhara; Ippei Maeda; Yoshio Matsueda

Opt. Eng. 2006; 45(8):083401. doi: 10.1117/1.2336241

1 Поисковый запрос

2 Уточнение результатов поиска:

- Тип ресурса (Content Type)
- Тематика (Topics)
- Дополнительные фильтры (открытый доступ, файлы с мультимедиа и т.д.)
- Дата (Specify Date Range).

3 Сортировка результатов:

- Релевантность (Best Match)
- Недавно опубликованные (Most Recent)

4 Просмотр статей (View):

- Общий (Basic)
- Расширенный (Expanded) (с указанием тематических рубрик).

5 Результат поиска

Нажав на заголовок, можно перейти к просмотру информации о статье.

Значок PDF – скачивание полного текста.

[Вернуться к содержанию](#)



SEARCH

ADVANCED SEARCH

HOME

PROCEEDINGS

JOURNALS

eBOOKS

TOPIC COLLECTIONS

LIBRARIANS

KEYWORD SEARCH

1

Enter Search Term

Search

SEARCH FOR: ☐ Any ☒ All ☐ Exact Phrase

+ LIMIT RESULTS TO:

AUTHOR SEARCH

2

Author Search

Search

+ LIMIT RESULTS TO:

FIND SPECIFIC ARTICLE OR PROCEEDING BY:

3

TITLE

Title

Search

DOI

DOI

Search

FIND ARTICLES BY CITATION

4

CITATION - Select a Journal ▼

Yr

Vol

1st Pg

Search

PROCEEDINGS SEARCH:

5

VOLUME NO: Conference Volume Number

Search

FIGURE SEARCH:

6

Enter Search Term

Search

SEARCH TERM(S): ☒ Any ☐ All ☐ Exact Phrase

1. Поиск по ключевым словам.

Введите поисковый запрос в строку.

Искать : Any – любое, All – всё, Exact Phrase -точное совпадение.

Ограничение результата: автор, дата, источник.

2. Поиск по автору.

Ограничение результата: дата, источник.

3. Найти конкретную статью.

- Точное название статьи
- DOI - «указатель» местонахождения документа в информационном пространстве

4. Поиск по цитате.

Указать название журнала, год, том, страницы

5. Поиск материалов конференций.

Указать номер тома.

6. Поиск картинок (схем) по термину.

Искать : Any – любое, All – всё, Exact Phrase -точное совпадение.

[Вернуться к содержанию](#)

Поиск по тексту или рисункам (схемам) публикаций предусмотрен только для журналов.

При необходимости, используйте логические операторы AND или OR

Например: microscope AND fluorescence

Используйте кавычки при поиске по точной фразе, заголовку статьи.

Например: “Design of a confocal fluorescence microscope”

optoelectronic devices

1

SEARCH FOR: ☐ Any ☒ All ☐ Exact Phrase

2

- LIMIT RESULTS TO:

AUTHOR: Weiran Cao

3

DATE RANGE

mm/dd/yyyy

Start Date

mm/dd/yyyy

End Date

4

PUBLICATION:

☒ All Publications

☒ All Journals

☒ Optical Engineering

☒ Journal of Biomedical Optics

☒ Journal of Electronic Imaging

☒ Journal of Micro/Nanolithography, MEMS, and MOEMS

☒ Journal of Applied Remote Sensing

☒ Journal of Nanophotonics

☒ Journal of Photonics for Energy

☒ Journal of Medical Imaging

☒ Journal of Astronomical Telescopes, Instruments, and Systems

☒ Neurophotonics

☒ Proceedings

☒ eBooks

5

Search

6

1. Введите поисковый запрос в строку поиска.
2. Поиск можно ограничить:
 - Any – любое,
 - All – всё,
 - Exact Phrase - точное совпадение
3. Ограничьте поиск фамилией автора
4. При необходимости, выберите временной диапазон
5. Возможно провести поиск в конкретном журнале.
6. Нажмите кнопку Search.

AUTHOR SEARCH

Yan Fang

1

LIMIT RESULTS TO:

DATE RANGE

01/01/2011

Start Date

01/01/2014

End Date

2

PUBLICATION:

- ☒ All Publications
- ☒ All Journals
 - ☒ Optical Engineering
 - ☒ Journal of Biomedical Optics
 - ☒ Journal of Electronic Imaging
 - ☒ Journal of Micro/Nanolithography, MEMS, and MOEMS
 - ☒ Journal of Applied Remote Sensing
 - ☒ Journal of Nanophotonics
 - ☒ Journal of Photonics for Energy
 - ☒ Journal of Medical Imaging
 - ☒ Journal of Astronomical Telescopes, Instruments, and Systems
 - ☒ Neurophotonics
- ☒ Proceedings
- ☒ eBooks

3

Search

4

1. Введите фамилию автора в строку поиска.
2. Ограничьте поиск определенным временным диапазоном.
3. При необходимости, проведите поиск в конкретном журнале.
4. Нажмите кнопку Search.

FIGURE SEARCH:

biometrics

1

Search

SEARCH TERM(S): ☒ Any ☐ All ☐ Exact Phrase

HOME

PROCEEDINGS

JOURNALS

eBOOKS

TOPIC COLLECTIONS

LIBRARIANS

Search Results for

biometrics

2

NARROW

Results

☒ All Content☐ My Content

Content Type

Figures (191)

Topics

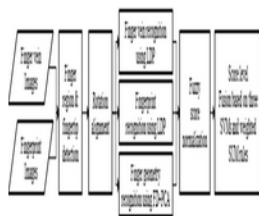
☐ Databases (18)☐ Biometrics (10)☐ Veins (9)☐ Fingerprint recognition (7)☐ Near infrared (6)☐ Visible radiation (6)☐ Photo activated localization microscopy (4)☐ Feature extraction (3)☐ Video (3)☐ Data hiding (2)

Showing 1 – 20 of 191

3

Optical Engineering >

Multimodal biometric method that combines veins, prints, and shape of a finger > Figure

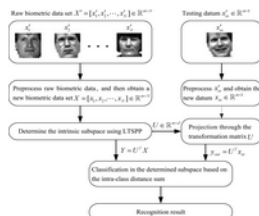


F2: Flowchart of the proposed multimodal biometric method combining the finger-vein, fingerprint, and finger geometry features.

4

Optical Engineering >

Unimodal biometric system based on local topology structure preserving projections > Figure



F1: Flowchart for the proposed unified unimodal biometric system.

1. Введите ключевое слово, термин в поисковое поле.
2. Уточните результат поиска по тематике.
3. Результат представлен в виде списка рисунков (схем), соответствующих поисковому запросу.
4. Нажав на рисунок, можно перейти к просмотру текста статьи.

Поиск рисунков (схем) в публикациях предусмотрен только среди журналов.

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- Astronomical Spectroscopy
- Telescopes

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- Photodynamic Therapy
- Tissue Optics
- Biosensors & Microfluidics
- Endoscopy
- Molecular Imaging
- Ophthalmic Optics
- Radiology
- Tomography

1

Тематические коллекции представлены 14 категориями, разделенными на подкатегории в соответствии с таксономией SPIE.

2

Выберите тематику и перейдите к просмотру публикаций.

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Biomedical Spectroscopy & Microscopy

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Journal of Biomedical Optics | Special Section on Laser Applications in Life Sciences

February 18, 2015

[Native fluorescence spectroscopy of blood plasma of rats with experimental diabetes: identifying fingerprints of glucose-related metabolic pathways](#)



Evgeny Shirshin ; Olga Cherkasova ; Tatiana Tikhonova ; Elena Berlovskaya ; Alexander Priezzhev ; Victor Fadeev

J. Biomed. Opt. 20 (5), 051033 (February 18, 2015); doi:10.1117/1.JBO.20.5.051033

Journal of Biomedical Optics | Special Section on Laser Applications in Life Sciences

February 17, 2015

[Noninvasive glucose sensing by transcutaneous Raman spectroscopy](#)



Wei-Chuan Shih ; Kate L. Bechtel ; Mihailo V. Rebec

J. Biomed. Opt. 20 (5), 051036 (February 17, 2015); doi:10.1117/1.JBO.20.5.051036

Journal of Biomedical Optics | Research Papers: Sensing

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Общество SPIE было основано 1 июля 1955 года и официально называлось на английском языке *Society of Photographic Instrumentation Engineers*.

Затем в 1964 году официальным названием общества стало *Society of Photo-Optical Instrumentation Engineers* (SPIE).

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