

Optics & Laser Technology

Optics & Laser Technology aims to provide a vehicle for the publication of a broad range of high quality research and review papers in those fields of scientific and engineering research appertaining to the **development** and **application** of the **technology** of **optics** and **lasers**. Papers describing original work in these areas are submitted to rigorous refereeing prior to acceptance for publication.

The scope of *Optics & Laser Technology* encompasses, but is not restricted to, the following areas:

- development in all types of lasers
- developments in optoelectronic devices and photonics
- developments in new photonics and optical concepts
- developments in conventional optics, optical instruments and components
- techniques of optical metrology, including interferometry and optical fibre sensors
- LIDAR and other non-contact optical measurement techniques, including optical methods in heat and fluid flow
- applications of lasers to materials processing, optical NDT display (including holography) and optical communication
- research and development in the field of laser safety including studies of hazards resulting from the applications of lasers (laser safety, hazards of laser fume)
- developments in optical computing and optical information processing
- developments in new optical materials
- developments in new optical characterization methods and techniques
- developments in quantum optics
- developments in light assisted micro and nanofabrication methods and techniques
- developments in nanophotonics and biophotonics
- developments in imaging processing and systems

The Journal publishes and, from time to time commissions, review articles pertaining to important areas of **optical** and **laser technology**. Short communications and technical notes are also published. Short papers for rapid communication of important innovations or observations will receive fast-track treatment.

Optics & Laser Technology aims to provide the widest possible coverage of world research and development in its chosen field.

[View full aims and scope](#)

Editor-in-Chief: [A. Cusano](#)

[View full editorial board](#)

[Guide for Authors](#)

[Submit Your Paper](#)

[Track Your Paper](#)

[Order Journal](#)

[View Articles](#)

Share this page:

ADVERTISEMENT

CELEBRATING
RESEARCH
EXCELLENCE

Visit the new
global awards
website



Impact Factor:
1.365

5-Year Impact Factor:
1.296

Imprint: ELSEVIER

ISSN: 0030-3992



Publish your article
Open Access in
Optics & Laser
Technology

Recent Open Access [ScienceDirect](#) *i*

[Open Access](#)

High gain pulsed erbium-doped fiber amplifier for the nonlinear characterization of SWCNTs

Most Downloaded
Articles

[ScienceDirect](#)



1. Colour and lighting in hospital design

Hilary Dalke | Jenny Little | ...

2. Thermal modelling of laser welding and related processes: a literature review

A.P. Mackwood | R.C. Crafer

3. A review of ultrafast laser materials micromachining


Stay up-to-date

Register your interests and receive email alerts tailored to your needs

[Click here to sign up](#)

Follow us

Subscribe to RSS



Latest News

photodeposited on optical fibers

P. Zaca-Morán | E. Kuzin | ...

[Open Access](#)

High-speed bipolar phototransistors in a 180nm CMOS process

P. Kostov | W. Gaberl | ...

[VIEW ALL](#)

Most Cited Articles

Scopus



Optical soliton perturbation in a non-Kerr law media

Kohl, R. | Biswas, A. | ...

Use of the grey relational analysis to determine optimum laser cutting parameters with multi-performance characteristics

Çaydaş, U. | Hasçalik, A.

Propagation and coherence properties of higher order partially coherent dark hollow beams in turbulence

Eyyuboğlu, H.T.

[VIEW ALL](#)

Recent Articles

ScienceDirect



Proposal of interaction length for stimulated Brillouin scattering threshold of nanosecond laser in optical fiber

Rongtao Su | Pu Zhou | ...

Polarization-independent electro-optic modulator based on PMNT electrically-controlled birefringence effect and Sagnac interferometer

Xuejiao Zhang | Qing Ye | ...

Remote PCF-based sensors multiplexing by using optical add-drop multiplexers

Mikel Bravo | Alessandro Candiani | ...

[VIEW ALL](#)

Jian Cheng | Chang-sheng Liu | ...

[VIEW ALL](#)

News

Latest Impact Factors from Elsevier's Optics Journals.

[VIEW ALL](#)

Special Issues



Colour and Design II: Colour in plants and animals - Inspiration for Design

Volume 43, Issue 2 (2011)

[VIEW ALL](#)

Readers

[View Articles](#)
[Volume/ Issue Alert](#)

Authors

[Author Information Pack](#)
[Submit Your Paper](#)
[Track Your Paper](#)
[Webshop](#)

Librarians

[Ordering Information and Dispatch Dates](#)
[Abstracting/ Indexing](#)

Editors

[Publishing Ethics Resource Kit](#)
[EES Support](#)

Reviewers

[Reviewer Guidelines](#)
[Log in as Reviewer](#)

Advertisers/ Sponsors

[Advertisers Media Information](#)

Societies



[Industries](#)

[Advertising](#)

[Careers](#)

[Feedback](#)

[Site Map](#)

[Elsevier Websites](#)

A Reed Elsevier Company

Copyright © Elsevier B.V. All rights reserved.

[Privacy Policy](#)

[Terms & Conditions](#)

Cookies are set by this site. To decline them or learn more, visit our [Cookies](#) page.