

Lasers

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Recent Publications on Lasers:



- [Time-resolved methods in biophysics. 7. Photon counting vs. analog time-resolved singlet oxygen phosphorescence detection.](#)
*Two recent advances in optoelectronics, namely novel near-IR sensitive...*30th August, 2008
Grup d'Enginyeria Molecular, Institut Quimic de Sarria, Universitat Ramon- Photochem Photobiol Sci. 2008 Sep;7(9):1003-10. Epub 2008 Jun 25. ([DOI Direct Link](#))
- [A possible mechanism for visible light-induced wound healing.](#)
*BACKGROUND AND OBJECTIVES: Chronic wounds resistant to conventional...*30th August, 2008
The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan- Lasers Surg Med. 2008 Aug 25;40(7):509-514. ([DOI Direct Link](#))
- [Low density, non-ablative fractional CO\(2\) laser rejuvenation.](#)
*BACKGROUND AND OBJECTIVES: Fractional skin rejuvenation has gained...*30th August, 2008
Molholm Research, 7100 Vejle, Denmark.- Lasers Surg Med. 2008 Aug 25;40(7):454-460. ([DOI Direct Link](#))
- [Laser exposure incidents: pilot ocular health and aviation safety issues.](#)
*INTRODUCTION: A database of aviation reports involving laser illumination...*30th August, 2008
Vision Research Team, AAM-630, FAA/CAMI, Oklahoma City, Oklahoma 73105,- Optometry. 2008 Sep;79(9):518-24. ([DOI Direct Link](#))
- [Teaching and assessing competency in retinal lasers in ophthalmology residency.](#)
*BACKGROUND AND OBJECTIVE: The Accreditation Council for Graduate Medical...*23rd August, 2008
Department of Ophthalmology, University of Iowa Hospital and Clinics, Iowa- Ophthalmic Surg Lasers Imaging. 2008 Jul-Aug;39(4):270-80.
- [Diode-laser-based near-resonantly enhanced flow visualization in shock tunnels.](#)
*Two new near-resonantly enhanced flow visualization techniques suitable...*22nd August, 2008
School of Aerospace, Civil and Mechanical Engineering, University of New- Appl Opt. 2008 Aug 20;47(24):4352-60.
- [Laser offset-frequency locking up to 20 GHz using a low-frequency electrical filter technique.](#)
*A simple, easy-to-implement, and robust technique is reported to offset...*22nd August, 2008
Ecole Polytechnique Federale de Lausanne (EPFL), Institute of Electrical- Appl Opt. 2008 Aug 20;47(24):4336-44.
- [Standard guidelines of care: laser and IPL hair reduction.](#)
*Laser-assisted hair removal, Laser hair removal, Laser and light-assisted...*21st August, 2008
NU Skin World & Nisarg Skin Lasers, Surat, Gujarat, India.- Indian J Dermatol Venereol Leprol. 2008 Jan;74 Suppl:S68-74.

- [Standard guidelines of care: CO 2 laser for removal of benign skin lesions and resurfacing.](#)
*Resurfacing is a treatment to remove acne and chicken pox scars, and...*21st August, 2008
Department of Dermatology, Manipal Hospital, Bangalore, India.- Indian J Dermatol Venereol Leprol. 2008 Jan;74 Suppl:S61-7.
- [Standard guidelines of care for acne surgery.](#)
*Acne surgery is the use of various surgical procedures for the treatment...*21st August, 2008
Department of Dermatology, Safdarjung Hospital, New Delhi, India.- Indian J Dermatol Venereol Leprol. 2008 Jan;74 Suppl:S28-36.
- [Optical frequency combs generated by four-wave mixing in optical fibers for astrophysical spectrometer calibration and metrology.](#)
*Optical frequency combs generated by multiple four-wave mixing in short...*20th August, 2008
Gleb Wataghin Physics Institute, University of Campinas, Campinas, SP,- Opt Express. 2008 Aug 18;16(17):13267-75.
- [Analysis of the scalability of diffraction-limited fiber lasers and amplifiers to high average power.](#)
*We analyze the scalability of diffraction-limited fiber lasers considering...*20th August, 2008
Lawrence Livermore National Laboratory, Livermore, CA 94551, USA.- Opt Express. 2008 Aug 18;16(17):13240-66.
- [Coherent energy exchange between components of a vector soliton in fiber lasers.](#)
*We report on the experimental evidence of four wave mixing (FWM) between...*20th August, 2008
School of Electrical and Electronic Engineering, Nanyang Technological- Opt Express. 2008 Aug 18;16(17):12618-23.
- [Enhancement of optical Kerr effect in quantum-cascade lasers with multiple resonance levels.](#)
*In this paper, we investigated the optical Kerr lensing effect in...*20th August, 2008
Department of Electrical and Computer Engineering, University of- Opt Express. 2008 Aug 18;16(17):12599-606.
- [Integration of hybrid silicon lasers and electroabsorption modulators.](#)
*We present an integration platform based on quantum well intermixing for...*20th August, 2008
Intel Corporation, Santa- Opt Express. 2008 Aug 18;16(17):12478-86.

BioNews Results for Lasers

- [World first: Lasers used in keyhole surgery for brain cancer](#)
Yahoo! Asia: Aug 30 2008 1:00AM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
Japan Today: Aug 29 2008 11:53PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
New Straits Times: Aug 29 2008 10:21PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
PhysOrg.com: Aug 29 2008 9:59PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
Citizen.co.za: Aug 29 2008 9:13PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
South Asian Womens Forum: Aug 29 2008 8:14PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
AFP: Aug 29 2008 6:03PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
The Age: Aug 29 2008 6:03PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)
Sydney Morning Herald: Aug 29 2008 5:58PM Matching: lasers
- [World first: Lasers used in keyhole surgery for brain cancer](#)

Breitbart.com: Aug 29 2008 5:56PM Matching: lasers

- [World first: Lasers used in keyhole surgery for brain cancer](#)

Brisbane Times: Aug 29 2008 5:47PM Matching: lasers

- [World first: Lasers used in keyhole surgery for brain cancer](#)

Therapeutics Daily: Aug 29 2008 5:24PM Matching: lasers

- [World first: Lasers used in keyhole surgery for brain cancer \(AFP\)](#)

Yahoo!: Aug 29 2008 5:21PM Matching: lasers

- [World first: Lasers used in keyhole surgery for brain cancer](#)

AFP via Yahoo!: Aug 29 2008 5:13PM Matching: lasers

- [World first: Lasers used in keyhole surgery for brain cancer](#)

Yahoo! UK and Ireland: Aug 29 2008 5:07PM Matching: lasers

Lasers Clinical Trials:



- [Ovarian Laser Treatment in Women With Polycystic Ovarian Syndrome: A Randomized Study on the Laser Dose](#)

Anovulation; Polycystic Ovary Syndrome; Infertility

Lasers Patents:



- 7416844- [Composition for nucleic acid sequencing](#)
- 7417712- [Exposure apparatus having interferometer and device manufacturing method](#)
- 7417720- [Lighting optical machine and defect inspection system](#)
- 7417721- [Defect detector and defect detecting method](#)
- 7417722- [System and method for controlling light scattered from a workpiece surface in a surface inspection system](#)
- 7417744- [Coherent hybrid electromagnetic field imaging](#)
- 7417777- [Optical scanning device and image forming apparatus](#)
- 7417781- [Electrochromic rearview mirror incorporating a third surface reflector](#)
- 7417788- [Optical logic device](#)
- 7417789- [Solar-pumped active device](#)
- 7417790- [Looped optical network with ASE light recirculation and link and network survivability control system](#)
- 7417709- [Method and apparatus for exposing semiconductor substrates](#)
- 7417708- [Extreme ultraviolet exposure apparatus and vacuum chamber](#)
- 7417660- [Image forming apparatus and image forming method](#)
- 7416867- [Enzymatic production of \(meth\)acrylic acid esters](#)
- 7416907- [Semiconductor device and method for forming the same](#)

- 7416930- [Method for producing an oxide confined semiconductor laser](#)
- 7417023- [Targeted delivery of bioaffecting compounds for the treatment of cancer](#)
- 7417141- [Cyanine dye having reduced visible absorption](#)
- 7417244- [Surface inspection apparatus and method thereof](#)
- 7417367- [Patterned light emitting devices](#)
- 7417368- [Color electroluminescent displays with thick film dielectric layer between electrodes](#)
- 7417613- [Liquid crystal display device and driving method thereof](#)
- 7417627- [Sensing display](#)
- 7417944- [Method for orderwire modulation](#)
- 7418014- [Surface-emitting type semiconductor laser, and method for manufacturing the same, optical switch, and optical branching ratio variable element](#)
- 7418169- [Apparatus for controlling at least one of at least two sections of at least one fiber](#)
- 7418172- [Beam homogenizer, laser irradiation apparatus, and method for manufacturing semiconductor device](#)
- 7418176- [Alignment of optoelectronic components using a composite adhesive](#)
- 7418179- [Surface plasmon devices](#)
- 7418187- [Waveguide configuration](#)
- 7418201- [Flash apparatus, camera provided with flash apparatus, semiconductor laser device, and method of manufacturing the same](#)
- 7418202- [Article having a birefringent surface and microstructured features having a variable pitch or angles for use as a blur filter](#)
- 7418205- [Method and apparatus for controlling a frequency hopping laser](#)
- 7418208- [Optoelectronic transceiver for a bidirectional optical signal transmission](#)
- 7418209- [System and method for multi-dimensional encoding](#)
- 7418168- [Optical add/drop module](#)
- 7418166- [Device and approach for integration of optical devices and waveguides therefor](#)
- 7418165- [Flexible optical waveguides for backplane optical interconnections](#)
- 7418015- [System and method for control of optical transmitter](#)
- 7418016- [Method and apparatus for modifying the spread of a laser beam](#)
- 7418017- [Interferometer, in particular for determining and stabilizing the relative phase of short pulses](#)
- 7418019- [Multi-wavelength semiconductor laser](#)
- 7418021- [Optical apertures for reducing spontaneous emissions in photodiodes](#)
- 7418022- [Bandwidth-limited and long pulse master oscillator power oscillator laser systems](#)
- 7418023- [Laser-diode-excited laser apparatus, fiber laser apparatus, and fiber laser amplifier in which laser medium doped with one of Ho.sup.3+, SM.sup.3+, EU.sup.3+, DY.sup.3+, ER.sup.3+ and TB.sup.3+ is excited with GaN-based compound laser diode](#)
- 7418162- [Method and apparatus for inducing an index of refraction change on a substrate sensitive to electromagnetic radiation](#)
- 7418163- [Optoelectrical package](#)
- 7418164- [Method for forming a photonic band-gap structure and a device fabricated in accordance with such a method](#)
- 7418346- [Collision avoidance methods and systems](#)

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