

# Hamamatsu Photonics

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## Recent Publications by Hamamatsu Photonics:



- [Default Mode of Brain Activity Demonstrated by Positron Emission Tomography Imaging in Awake Monkeys: Higher Rest-Related than Working Memory-Related Activity in Medial Cortical Areas.](#)  
*Human neuroimaging studies have demonstrated the presence of a "default..."* 20th November, 2009  
Department of Psychology, Tokyo Metropolitan Institute for Neuroscience,- J Neurosci. 2009 Nov 18;29(46):14463-14471. ([DOI Direct Link](#))
- [Utility of delayed fluorescence as endpoint for rapid estimation of effect concentration on the green alga Pseudokirchneriella subcapitata.](#)  
*Algal growth inhibition tests for environmental risk assessment require...* 10th November, 2009  
Central Research Laboratory, Hamamatsu Photonics K. K., 5000 Hirakuchi,- Bull Environ Contam Toxicol. 2009 Oct;83(4):484-7. Epub 2009 Jul 23. ([DOI Direct Link](#))
- [Reevaluation of absolute luminescence quantum yields of standard solutions using a spectrometer with an integrating sphere and a back-thinned CCD detector.](#)  
*We reevaluate the absolute fluorescence and phosphorescence quantum yields...* 24th October, 2009  
Hamamatsu Photonics K. K., Joko-cho, Hamamatsu 431-3196, Japan.- Phys Chem Chem Phys. 2009 Nov 14;11(42):9850-60. Epub 2009 Sep 17. ([DOI Direct Link](#))
- [Spherical aberration correction suitable for a wavefront controller.](#)  
*We propose a simple method to correct a large amount of spherical...* 22nd October, 2009  
Central Research Laboratory, Hamamatsu Photonics KK, Hamamatsu 434-8601,- Opt Express. 2009 Aug 3;17(16):14367-73.
- [Nicotine sensitization of monkey striatal dopamine release.](#)  
*This study with monkeys was designed to answer two questions. 1) Does...* 8th July, 2009

Central Research Laboratory, Hamamatsu Photonics K.K., Hamamatsu, Shizuoka- Eur J Pharmacol. 2009 Apr 1;607(1-3):91-5. Epub 2009 Feb 14. ([DOI Direct Link](#))

- [Ketamine/xylazine anesthesia alters \[11C\]MNPA binding to dopamine D2 receptors and response to methamphetamine challenge in monkey brain.](#)  
*This study with monkeys was designed to answer two questions. 1) Does...*1st July, 2009  
 Central Research Laboratory, Hamamatsu Photonics K. K., 5000 Hirakuchi,- Synapse. 2009 Jun;63(6):534-7. ([DOI Direct Link](#))
- [Differences in thigh muscularity and dynamic torque between junior and senior soccer players.](#)  
*The aim of the present study was to examine differences in thigh...*6th May, 2009  
 Sports Photonics Laboratory, Hamamatsu Photonics KK, Iwata City, Japan.- J Sports Sci. 2009 Jan 15;27(2):129-38. ([DOI Direct Link](#))
- [Liposome-encapsulated hemoglobin reduces the size of cerebral infarction in rats: effect of oxygen affinity.](#)  
*Liposome-encapsulated hemoglobin (LEH) with a low oxygen affinity (I-LEH,...*2nd May, 2009  
 Hamamatsu Photonics K.K., Hamamatsu, Japan.- Artif Organs. 2009 Feb;33(2):159-63. ([DOI Direct Link](#))
- [Indirect pump scheme for quantum cascade lasers: dynamics of electron-transport and very high T0-values.](#)  
*An alternative pump scheme, named indirect pump one is proposed to clarify...*14th January, 2009  
 Central Research Laboratories, HAMAMATSU PHOTONICS K.K., Hamakita-ku,- Opt Express. 2008 Dec 8;16(25):20748-58.
- [Low-coherent quantitative phase microscope for nanometer-scale measurement of living cells morphology.](#)  
*We have developed a Linnik-type interference microscope provided with a...*28th October, 2008  
 Hamamatsu Photonics K. K., 5000 Hirakuchi, Hamamatsu-City, Shizuoka-Pref.- Opt Express. 2008 Aug 4;16(16):12227-38.

**Press Releases on Hamamatsu Photonics:**

<a href="#">New &amp;apos;Virtual Microscope&amp;apos; System from Hamamatsu Offers Faster Acquisition of High-Resolution Slide Scans</a>	7th October, 2009	Hamamatsu Corporation	<i>BRIDGEWATER, N.J., Oct. 7 /PRNewswire/ -- Hamamatsu Corporation has announced the release of its next-generation slide scanners, the NanoZoomer 2.0 series. Operating at nearly twice the speed of the</i>
<a href="#">El.En. Group Establishes New Subsidiary, DEKA Medical, Inc. and Appoints Management Team</a>	10th August, 2009	El.En. Group	<i>FLORENCE, Italy, Aug. 10 /PRNewswire/ -- El.En. Group announced today the incorporation of DEKA Medical, Inc., a North American subsidiary of its DEKA division. Based in San Francisco, CA, DEKA</i>
<a href="#">Oclaro(TM) Hits Milestone With Clarity(TM) Fluorescence Filters</a>	17th June, 2009	Oclaro, Inc.	<i>SAN JOSE, Calif., June 17 /PRNewswire-FirstCall/ -- Oclaro, Inc. (Nasdaq: OCLR) has announced the shipment of its 200,000th Fluorescence Filter for biomedical and analytical instrumentation markets.</i>

[New Studies Presented at European Society of Anaesthesia Further Validate Masimo PVI\(TM\) for Noninvasive and Continuous Fluid Monitoring](#)

12th June, 2009 Masimo

IRVINE, Calif., June 12 /PRNewswire-FirstCall/ -- Masimo (Nasdaq: MASI), the inventor of Pulse CO-Oximetry(TM) and Measure-Through Motion and Low-Perfusion pulse oximetry, announced today that three

[Oclaro Launches Eye-Safe High Power Laser Diodes at LASER 2009](#)

11th June, 2009 Oclaro, Inc.

SAN JOSE, Calif., June 11 /PRNewswire-FirstCall/ -- Oclaro, Inc. (Nasdaq: OCLR), a provider of optical components for industrial applications, has entered the eye-safe wavelength market with laser

## BioNews Results for Hamamatsu Photonics



- [Hamamatsu Photonics Deutschland GmbH: New Fluorescence Lifetime Spectroscopy System - the C10627 Streakscope](#)

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## Hamamatsu Photonics Patents:



- 7522643- [Semiconductor laser device](#)
- 7547885- [Radiation detector](#)
- 7550811- [Image pickup device and method of manufacturing the same](#)
- 7556975- [Method for manufacturing backside-illuminated optical sensor](#)
- 7557336- [Photodetector having first and second antenna areas with patterns having different cycle intervals](#)
- 7557503- [Streak tube including control electrode having blocking portion between a photocathode and an anode](#)
- 7557509- [Gas discharge tube light source apparatus and liquid chromatograph](#)
- 7560790- [Backside-illuminated photodetector](#)
- 7561335- [Optical lens and semiconductor laser apparatus](#)
- 7564043- [MCP unit, MCP detector and time of flight mass spectrometer](#)
- 7566635- [Substrate dividing method](#)
- 7547613- [Laser processing method and laser processing apparatus](#)
- 7545104- [Power supply circuit for flash discharge tube](#)

- 7545044- [Semiconductor device and radiation detector employing it](#)
- 7522703- [Aerosol particle charging device](#)
- 7525131- [Photoelectric surface and photodetector](#)
- 7525249- [Electron tube with electron-bombarded semiconductor device](#)
- 7526069- [X-ray tube](#)
- 7527201- [Method of forming an optical pattern, optical pattern formation system, and optical tweezer](#)
- 7532044- [Photodetector](#)
- 7532244- [High-speed vision sensor](#)
- 7542208- [Light collecting device and light collecting mirror](#)
- 7544925- [Encoder including rotating member, light source device and photodetecting device including a scale having photodetecting elements arranged thereon](#)
- 7545015- [Photo-detection device and manufacturing method thereof](#)
- 7567598- [Semiconductor laser equipment](#)
- 7569993- [Gas discharge tube with discharge path limiting means](#)
- 7599414- [Laser device](#)
- 7602122- [Photomultiplier](#)
- 7602996- [Microscope system and method](#)
- 7605344- [Laser beam machining method, laser beam machining apparatus, and laser beam machining product](#)
- 7605358- [Photodetector having dual photodiode and gain adjusting amplifiers](#)
- 7605455- [Semiconductor device](#)
- 7605917- [Spectrometer](#)
- 7607753- [Liquid droplet forming method and liquid droplet forming device](#)
- 7608214- [Laser beam machining method](#)
- 7608404- [Disease determination method, data generation method for disease determination and data generation system for disease determination](#)
- 7599106- [Optical mask and MOPA laser apparatus including the same](#)
- 7597277- [Microparticles, microparticle production method, and microparticle production apparatus](#)
- 7595895- [Laser beam machining system](#)
- 7573979- [X-ray imaging device](#)
- 7576910- [Microscope and sample observation method](#)
- 7576928- [Solid immersion lens holder](#)
- 7577174- [Semiconductor laser device and semiconductor laser element array](#)
- 7586968- [Heater-attached alkali-encapsulated cell and alkali laser apparatus](#)
- 7588641- [Method of forming liquid-drops of mixed liquid, and device for forming liquid-drops of mixed liquid](#)
- 7589775- [Solid-state imaging device](#)
- 7592237- [Laser processing method and object to be processed](#)
- 7592238- [Laser processing method and laser processing apparatus](#)
- 7592581- [Control circuit for photomultiplier tube](#)
- 7608835- [Radiation image converting panel](#)

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