

Radiation

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Radiation, as used in physics, is energy in the form of waves or moving subatomic particles. Radiation can be classified as ionizing or non-ionizing radiation, depending on its effect on atomic matter. The most common use of the word "radiation" refers to ionizing radiation. Ionizing radiation has enough energy to ionize atoms or molecules while non-ionizing radiation does not. Radioactive material is a physical material that emits ionizing radiation. ([From the Wikipedia article Radiation.](#))

Recent Publications on Radiation:



- [Trilateral retinoblastoma: Potentially curable with intensive chemotherapy.](#)
*BACKGROUND: Trilateral retinoblastoma has been lethal in virtually all...*13th November, 2009
Department of Pediatrics, Memorial Sloan-Kettering Cancer Center, New- Pediatr Blood Cancer. 2009 Nov 11. ([DOI Direct Link](#))
- [The role of postoperative radiotherapy for the treatment of gangliogliomas.](#)
*BACKGROUND:: Because of their rarity, no prospective studies have been...*13th November, 2009
Department of Radiation Oncology, University of Lubeck, Lubeck, Germany.- Cancer. 2009 Nov 11. ([DOI Direct Link](#))
- [Health status of the oldest adult survivors of cancer during childhood.](#)
*BACKGROUND:: Young adult survivors of childhood cancer have an increased...*13th November, 2009
Department of Hematology/Oncology, Children's Hospital, Boston,- Cancer. 2009 Nov 11. ([DOI Direct Link](#))
- [A case-control study of ocular surface squamous neoplasia \(OSSN\) in Uganda.](#)
*HIV increases the risk of OSSN. Here we investigate other factors in a...*13th November, 2009
Ruharo Eye Hospital, Uganda.- Int J Cancer. 2009 Nov 11. ([DOI Direct Link](#))
- [Current Diagnosis and Treatment of Desmoid Tumours in Patients with Familial Adenomatous Polyposis - The Surgical View.](#)
*Based on a representative selection of relevant references, the aim of...*13th November, 2009
Klinik fur Allgemein-, Viszeral- und Gefasschirurgie, Universitatsklinikum- Zentralbl Chir. 2009 Nov 11. ([DOI Direct Link](#))
- [Survival and relapse pattern after trimodality therapy for malignant pleural mesothelioma.](#)
*PURPOSE: Multimodality therapy has been applied to resectable malignant...*13th November, 2009
Department of Thoracic Surgery, Kyoto University Hospital, Kawahara-cho,- Gen Thorac Cardiovasc Surg. 2009 Nov;57(11):585-90. Epub 2009 Nov 12. ([DOI Direct Link](#))
- [The AMPLATZER Vascular Plug 4: Preliminary Experience.](#)
*The purpose of this communication is to describe our preliminary...*13th November, 2009
Department of Diagnostic and Interventional Radiology, San Martino- Cardiovasc Intervent Radiol. 2009 Nov 12. ([DOI Direct Link](#))

- [Use of the individual data of the a-bomb survivors for biologically based cancer models.](#)
*All recent analyses of the data on solid cancer incidence of the atomic...*13th November, 2009
Helmholtz Zentrum Munchen German Research Center for Environmental Health- Radiat Environ Biophys. 2009 Nov 12. ([DOI Direct Link](#))
- [Colonic explosion with use of argon plasma coagulation for radiation proctitis.](#)
*All recent analyses of the data on solid cancer incidence of the atomic...*13th November, 2009
Department of Gastroenterology, Army Hospital Research and Referral, New- Indian J Gastroenterol. 2009 May-Jun;28(3):118-9. ([DOI Direct Link](#))
- [Ionizing radiation-induced genomic instability in CHO cells is followed by selection of radioresistant cell clones.](#)
*The DNA comet assay (neutral version) showed that irradiation of CHO cells...*13th November, 2009
Institute of Biology, Komi Research Center, Ural Division of the Russian- Bull Exp Biol Med. 2009 May;147(5):596-8.
- [Peculiarities of cell cycle kinetics in normal keratinocytes and melanocytes after exposure to UV-B radiation.](#)
*We studied changes in cell cycle and apoptosis in normal keratinocytes and...*13th November, 2009
Krasnoyarsk State Medical Academy, Federal Agency for Health Care and- Bull Exp Biol Med. 2009 May;147(5):567-9.
- [Angiolymphoid hyperplasia with eosinophilia successfully treated with oral steroids.](#)
*Angiolymphoid hyperplasia with eosinophilia is a rare benign vascular...*13th November, 2009
- Quintessence Int. 2010 Jan-Feb;41(1):67-9.
- [Coupling terahertz radiation between sub-wavelength metal-metal waveguides and free space using monolithically integrated horn antennae.](#)
*Broadband horn antennae are presented that efficiently couple terahertz...*13th November, 2009
- Opt Express. 2009 Sep 28;17(20):18387-93. doi: 10.1364/OE.17.018387.
- [Ultraviolet-visible non-supercontinuum ultrafast source enabled by switching single silicon strand-like photonic crystal fibers.](#)
*Cherenkov radiation from short photonic crystal fiber with a high air-fill...*13th November, 2009
Biophotonics Imaging Laboratory, Beckman Institute for Advanced Science- Opt Express. 2009 Sep 28;17(20):17983-8. doi: 10.1364/OE.17.017983.
- [Changing the emission of polarized thermal radiation from metallic nanoheaters.](#)
*The polarization of the thermal radiation emitted from individual...*13th November, 2009
IBM T. J Watson Research Center, Yorktown Heights, NY 10598, USA.- Opt Express. 2009 Sep 28;17(20):17963-9. doi: 10.1364/OE.17.017963.

BioNews Results for Radiation

- [New Award To Study The Effects Of Radiation And Aging On The Human Immune System Announced By NIAID](#)
Medical News Today: Nov 14 2009 8:49AM Matching: radiation
- [Radiation, chemotherapy in childhood increase risk of dental abnormalities](#)
Reuters Health: Nov 14 2009 1:21AM Matching: radiation
- [Advances in Radiation Therapy Enable Doctors to Improve the Quality of Treatments for Patients With Head and N](#)
Pharmacy Choice: Nov 14 2009 12:59AM Matching: radiation
- [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
KSLA: Nov 13 2009 2:54PM Matching: radiation
- [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
Earthtimes.org: Nov 13 2009 2:28PM Matching: radiation
- [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)

- Interest!ALERT: Nov 13 2009 4:13PM Matching: radiation*
- [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
Yahoo! Canada: Nov 13 2009 2:14PM Matching: radiation
 - [NIAID Announces New Award to Study the Effects of Radiation and Aging on the Human Immune System](#)
National Institutes of Health: Nov 13 2009 12:58PM Matching: radiation
 - [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
Cincinnati Business Journal: Nov 13 2009 3:44PM Matching: radiation
 - [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
Twin Cities Business Journal: Nov 13 2009 3:42PM Matching: radiation
 - [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
Portland Business Journal: Nov 13 2009 2:33PM Matching: radiation
 - [High-precision Radiation Improves in Cervical Cancer Results](#)
Medicexchange.com: Nov 13 2009 7:54AM Matching: radiation
 - [COMMENTARY: Nuclear Medicine Causing 'Tens of Thousands' of Cancers](#)
HuntingtonNews.Net: Nov 13 2009 9:06PM Matching: radiation
 - [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
PR Newswire: Nov 13 2009 7:14PM Matching: radiation
 - [Philips' SmartArc Solution Helps Moffitt Cancer Center Reduce Radiation Treatment Time](#)
KLFY: Nov 13 2009 6:53PM Matching: radiation

Radiation Patents:



- 7616737- [Fluid filled devices](#)
- 7616872- [Temperature measurement and heat-treating methods and systems](#)
- 7616877- [Method and apparatus for controlling a lens, and camera module incorporating same](#)
- 7616888- [Method and system for measuring optical properties of a medium using digital communication processing techniques](#)
- 7616903- [Interferometric polarization control](#)
- 7616917- [Multiple-channeled layer printing by electrography](#)
- 7616959- [Method and apparatus for shaped antenna radiation patterns](#)
- 7616968- [System and method to facilitate overcoming a degradation in transmission through a radiating transmission line communication system](#)
- 7616972- [Hands-free installation for mobile telephones and control unit therefor](#)
- 7616983- [Device for guiding a magnetic element](#)
- 7616856- [Varying refractive index optical medium using at least two materials with thicknesses less than a wavelength](#)
- 7616853- [Optical fiber microscopy launch system and method](#)
- 7616852- [Optical substrate, optical waveguide, and optical waveguide substrate](#)
- 7616771- [Acoustic coupler for skin contact hearing enhancement devices](#)
- 7616781- [Driver assistance system for vehicle](#)
- 7616791- [Confidence determination](#)
- 7616795- [Method for generating intermediate images when imaging with the aid of a tomographic imaging facility](#)

- [7616797- Minutia detection from measurement of a human skull and identifying and profiling individuals from the human skull detection](#)
- [7616798- Method for faster iterative reconstruction for converging collimation spect with depth dependent collimator response modeling](#)
- [7616806- Position detecting apparatus and method of correcting data therein](#)
- [7616818- Method of determining the orientation of an image](#)
- [7616844- Fabrication of fiber optic probes](#)
- [7616984- Modification of the normalized difference method for real-time optical tomography](#)
- [7616987- Microprobe for 3D bio-imaging, method for fabricating the same and use thereof](#)
- [7616989- Manufacturing methods for an apparatus for the controllable modification of compound concentration in a tube](#)
- [7617163- Kernels and kernel methods for spectral data](#)
- [7617270- Method and apparatus for adaptive real-time signal conditioning, processing, analysis, quantification, comparison, and control](#)
- [7617363- Low latency message passing mechanism](#)
- [7617364- System, method and storage medium for prefetching via memory block tags](#)
- [7617388- Virtual instruction expansion using parameter selector defining logic operation on parameters for template opcode substitution](#)
- [7617408- System and method for providing accurate time generation in a computing device of a power system](#)
- [7617427- Method and apparatus for detecting defects in integrated circuit die from stimulation of statistical outlier signatures](#)
- [7617470- Reconfigurable integrated circuit and method for increasing performance of a reconfigurable integrated circuit](#)
- [7617474- System and method for providing defect printability analysis of photolithographic masks with job-based automation](#)
- [7617113- Medical waste sorting method](#)
- [7617081- Spectral element eigensolver for inhomogeneous media](#)
- [7617075- Library accuracy enhancement and evaluation](#)
- [7616991- Method for digital cardiac rhythm management](#)
- [7616997- Devices and methods for cardiovascular reflex control via coupled electrodes](#)
- [7617001- Systems and method for communicating with implantable devices](#)
- [7617005- Methods and apparatus for thermally-induced renal neuromodulation](#)
- [7617017- System and method for resource reallocation based on ambient condition data](#)
- [7617022- Dual wavelength enhanced vision system optimized for visual landing light alignment](#)
- [7617050- Method for quantifying resistivity and hydrocarbon saturation in thin bed formations](#)
- [7617054- Method and apparatus for analysing nucleic acid sequence](#)
- [7617057- Expert system for controlling plant growth in a contained environment](#)
- [7617476- Method for performing pattern pitch-split decomposition utilizing anchoring features](#)

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