

Respiratory Physiology

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Recent Publications on Respiratory Physiology:



- [Relationship between bronchial hyperreactivity and asthma remission during adolescence.](#)
*BACKGROUND: Many children with asthma outgrow this disease after the onset...*18th November, 2009
Department of Pediatrics, Gunma University Graduate School of Medicine,- Ann Allergy Asthma Immunol. 2009 Sep;103(3):201-5.
- [Respiratory restriction and elevated pleural and esophageal pressures in morbid obesity.](#)
*To explore mechanisms of restrictive respiratory physiology and high...*17th November, 2009
Beth Israel Deaconess Medical Center.- J Appl Physiol. 2009 Nov 12. ([DOI Direct Link](#))
- [Absolute Electrical Impedance Tomography \(aEIT\) Guided Ventilation Therapy in Critical Care Patients: Simulations and Future Trends.](#)
*Thoracic Electrical Impedance Tomography (EIT) is a non-invasive,...*13th November, 2009
- IEEE Trans Inf Technol Biomed. 2009 Nov 10. ([DOI Direct Link](#))
- [CT scan appearance, densitometry, and health status in protease inhibitor SZ alpha1-antitrypsin deficiency.](#)
*BACKGROUND: The aim of this study was to uniquely describe CT scan...*7th November, 2009
University Hospital Birmingham NHS Foundation Trust, The University of- Chest. 2009 Nov;136(5):1284-90. ([DOI Direct Link](#))
- [Application of interval iterations to the entrainment problem in respiratory physiology.](#)
*We present here some theoretical and numerical results about interval...*4th November, 2009
TIMC-IMAG Laboratory, University J. Fourier of Grenoble, , 38706 La- Philos Transact A Math Phys Eng Sci. 2009 Dec 13;367(1908):4717-39. ([DOI Direct Link](#))
- [Sleep disorders and their management in patients with COPD.](#)
*Chronic obstructive pulmonary disease (COPD) is a prevalent progressive...*3rd November, 2009
Baylor College of Medicine, Sleep Disorders and Research Center, Michael- Ther Adv Respir Dis. 2009 Oct 30. ([DOI Direct Link](#))
- [Intelligent model-based advisory system for the management of ventilated intensive care patients: Hybrid blood gas patient model.](#)
*Arterial blood gas (ABG) analyses are essential for assessing the...*30th October, 2009
Process Automation, ABB Limited, Howard Road, Eaton Socon, Cambridgeshire- Comput Methods Programs Biomed. 2009 Oct 26. ([DOI Direct Link](#))
- [Cardio-respiratory physiology in space. Editorial.](#)
*Arterial blood gas (ABG) analyses are essential for assessing the...*27th October, 2009
- Respir Physiol Neurobiol. 2009 Oct;169 Suppl 1:S1. Epub 2009 Jan 31. ([DOI Direct Link](#))

- [Modelling particle deposition in human lungs: modelling concepts and comparison with experimental data.](#)
Deposition of inhaled particles in the human lung is determined by... 22nd October, 2009
Division of Physics and Biophysics, Department of Materials Engineering- Biomarkers. 2009 Jul;14 Suppl 1:59-62. ([DOI Direct Link](#))
- [Supplemental oxygen effect on hypoxemia at moderate altitude in patients with COPD.](#)
INTRODUCTION: Altitude exposure will cause moderate to severe hypoxemia in... 9th October, 2009
Respiratory Physiology Laboratory, Christchurch Hospital, Christchurch,- Aviat Space Environ Med. 2009 Sep;80(9):815-9.
- [Recent advances and new opportunities in lung mechanobiology.](#)
Lung function is inextricably linked to mechanics. On short timescales... 7th October, 2009
Molecular and Integrative Physiological Sciences, Department of- J Biomech. 2009 Oct 3. ([DOI Direct Link](#))
- [Bronchial Measurements in Patients with Asthma: Comparison of Quantitative Thin-Section CT Findings with Those in Healthy Subjects and Correlation with Pathologic Findings.](#)
Purpose: To analyze and compare computed tomographic (CT) bronchial... 1st October, 2009
Thoracic and Cardiovascular Imaging Unit, Pathologic Anatomy Laboratory,- Radiology. 2009 Sep 29. ([DOI Direct Link](#))
- [Altered resting and exercise respiratory physiology in obesity.](#)
Obesity, particularly severe obesity, affects resting and exercise-related... 25th August, 2009
Department of Medicine, 1 University of New Mexico School of Medicine,- Clin Chest Med. 2009 Sep;30(3):445-54, vii. ([DOI Direct Link](#))
- [Respiratory manifestations of panic disorder: causes, consequences and therapeutic implications.](#)
Multiple respiratory abnormalities can be found in anxiety disorders,... 12th August, 2009
Laboratory of Panic and Respiration, Instituto de Psiquiatria,- J Bras Pneumol. 2009 Jul;35(7):698-708.
- [Sudden unexpected death in epilepsy: risk factors and potential pathomechanisms.](#)
Sudden unexpected death in epilepsy (SUDEP) is the most common cause of... 12th August, 2009
Department of Clinical and Experimental Epilepsy, UCL Institute of- Nat Rev Neurol. 2009 Sep;5(9):492-504. Epub 2009 Aug 11. ([DOI Direct Link](#))

BioNews Results for Respiratory Physiology

- [Determinants of exhaled nitric oxide in chronic rhinosinusitis](#)
CHEST: Oct 19 2009 10:16PM Matching: respiratory physiology

Respiratory Physiology Patents:



- 6257234- [Apparatus and method for determining respiratory mechanics of a patient and for controlling a ventilator based thereon](#)
- 6723055- [System for measuring respiratory function](#)
- 6743172- [System and method for displaying medical process diagrams](#)

- 6743801- [1,2,3,6-tetrahydropyrimidine-2-one compositions and therapeutic methods therewith for pain and inflammation](#)
- 6745764- [Apparatus and method for providing a conscious patient relief from pain and anxiety associated with medical or surgical procedures](#)
- 6748252- [System and method for automatic detection and indication of airway instability](#)
- 6760608- [Oximetry system for detecting ventilation instability](#)
- 6777195- [Pharmaceutical dipeptide compositions and methods of use thereof: immunostimulants](#)
- 6807965- [Apparatus and method for providing a conscious patient relief from pain and anxiety associated with medical or surgical procedures](#)
- 6860266- [Physiological object displays](#)
- 6910896- [Mechanical lungs](#)
- 6720473- [Intra-vascular administration of particles to induce pulmonary hypertension, pulmonary hypertension syndrome, and ascites in poultry](#)
- 6706016- [Nerve stimulator output control needle with depth determination capability and method of use](#)
- 6642057- [Methods for the detection of harmful substances or traces thereof](#)
- 6258038- [Methods of non-invasively estimating intrapulmonary shunt fraction and measuring cardiac output](#)
- 6269268- [Rate-responsive pacemaker with closed-loop control](#)
- 6277864- [Use of R- +\)-.alpha.-\(2,3-dimethoxyphenyl\)-1-\[2-\(4-fluorophenyl\) ethyl\]-4-piperidinemethanol for the treatment of sleep disorders](#)
- 6342039- [Microprocessor system for the simplified diagnosis of sleep apnea](#)
- 6368788- [Method of treating complications in immunodepressed states resulting from HIV infection](#)
- 6465208- [Method for imaging tissue](#)
- 6565811- [Apparatus for the detection of harmful substances or traces thereof](#)
- 6578575- [Method and apparatus for optimization of mechanical ventilation](#)
- 6579511- [Assessment of concentration of inhalational compounds in the brain](#)
- 6613779- [Use of R\(+\)-.alpha.-\(2,3-Dimethoxyphenyl\)-1-\[2-\(4-fluorophenyl\)ethyl\]-4-piper idinemethanol for the treatment of sleep disorders](#)
- 6911431- [Pharmaceutical angiostatic dipeptide compositions and methods of use thereof](#)
- 6919348- [Therapeutic 1,2,3,6-tetrahydropyrimidine-2-one compositions and methods therewith](#)
- 7221814- [Optical waveguide based surface profiling apparatus](#)
- 7247154- [Method for drug delivery in association with medical or surgical procedures](#)
- 7247470- [Method and apparatus for measuring nitric oxide production and oxygen consumption in cultures of adherent cells](#)
- 7261105- [Breathing circuits having unconventional respiratory conduits and systems and methods for optimizing utilization of fresh gases](#)
- 7275541- [Breathing circuits having unconventional respiratory conduits and systems and methods for optimizing utilization of fresh gases](#)
- 7308894- [Apparatuses and methods for providing a conscious patient relief from pain and anxiety associated with medical or surgical procedures according to appropriate clinical heuristics](#)
- 7323196- [Pharmaceutical composition comprising extracts of radix clematidis for treating and preventing diabetes, diabetic complications, insulin resistance and insulin resistance syndrome](#)
- 7393642- [Methods and primers for diagnosing idiopathic congenital central hypoventilation syndrome](#)
- 7398115- [Pulse oximetry relational alarm system for early recognition of instability and catastrophic occurrences](#)
- 7565905- [Apparatuses and methods for automatically assessing and monitoring a patient's responsiveness](#)
- 7201734- [Apparatus for drug delivery in association with medical or surgical procedures](#)
- 7153264- [Apparatus and method for identifying sleep apnea](#)
- 7094206- [System for measuring respiratory function](#)
- 6933301- [1,2,3,6-tetrahydropyrimidine-2-one compositions, articles and therapeutic methods for upper airway breathing disorders](#)
- 6939879- [Use of R \(+\)-.alpha.-\(2,3-dimethoxyphenyl\)-1-\[2-\(4-fluorophenyl\)ethyl\]-4-piperidine methanol](#)

[for the treatment of substance induced insomnia](#)

- 6951216- [Apparatus and method for use in non-invasively determining conditions in the circulatory system of a subject](#)
- 6986347- [Apparatus and method for providing a conscious patient relief from pain and anxiety associated with medical or surgical procedures](#)
- 7001339- [Assessment of concentration of inhalational compounds in the brain](#)
- 7001340- [Assessment of concentration of inhalational compounds in the brain](#)
- 7047085- [Nerve stimulator output control needle with depth determination capability and method of use](#)
- 7060434- [Probes for myctophid fish and a method for developing the same](#)
- 7070569- [Non-invasive determination of conditions in the circulatory system of a subject](#)
- 7081095- [Centralized hospital monitoring system for automatically detecting upper airway instability and for preventing and aborting adverse drug reactions](#)
- 7613335- [Methods and devices useful for analyzing color medical images](#)

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