

Water

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and clouds are condensed water vapor. Water is a common chemical substance that is essential to all known forms of life. In typical usage, water refers only to its liquid form or state, but the substance also has a solid state, ice, and a gaseous state, water vapor. About 1,460 teratonnes of water covers 71% of the Earth's surface, mostly in oceans and other large water bodies, with 1.6% of water below ground in aquifers and 0.001% in the air as vapor, clouds, and precipitation. Some of the Earth's water is contained within man-made and natural objects near the Earth's surface such as water towers, animal and plant bodies, manufactured products, and food stores. Saltwater oceans hold 97% of surface water, glaciers and polar ice caps 2.4%, and other land surface water such as rivers and lakes 0.6%. Water moves continually through a cycle of evaporation or transpiration, precipitation, and runoff, usually reaching the sea. Winds carry water vapor over land at the same rate as runoff into the sea, about 36×10^{12} Tt per year. Over land, evaporation and transpiration contribute another 71×10^{12} Tt per year to the precipitation of 107×10^{12} Tt per year over land. Some water is trapped for varying periods in ice caps, glaciers, aquifers, or in lakes, sometimes providing fresh water for life on land. Clean, fresh water is essential to human and other life. However, in many parts of the world - especially developing countries - it is in short supply. Water is a solvent for a wide variety of chemical substances.

Recent Publications on Water:



- [The influences of ambient and body calcium on cadmium and zinc accumulation in *Daphnia magna*.](#)
The dissolved uptake rate constant ($k(u)$), dietary assimilation efficiency... 4th October, 2008
Department of Biology, The Hong Kong University of Science and Technology- Environ Toxicol Chem. 2008 Jul;27(7):1605-13.
- [Parasympathetic dysfunction is associated with insulin resistance in fructose-fed female rats.](#)
The objective of the present study was to identify metabolic... 4th October, 2008
Laboratorio de Movimento Humano, Universidade Sao Judas Tadeu, Sao Paulo,- Braz J Med Biol Res. 2008 Sep;41(9):804-8.
- [An exploration of factors that influence the regular consumption of water by Irish primary school children.](#)
BACKGROUND: Inadequate hydration has been linked to many factors that may... 4th October, 2008
Community Nutrition & Dietetic Service, Health Service Executive-Dublin- J Hum Nutr Diet. 2008 Oct;21(5):512-5.
- [A Water Soluble Diruthenium-Gold Organometallic Microgel.](#)
BACKGROUND: Inadequate hydration has been linked to many factors that may... 4th October, 2008
Area de Quimica Inorganica, Universidad de Almeria, 04071 Almeria (Spain),- Angew Chem Int Ed Engl. 2008 Oct 2. ([DOI Direct Link](#))
- [Feeding and morphological analysis of the digestive tract of four species of fish \(*Astyanax altiparanae*, *Parauchenipterus galeatus*, *Serrasalmus marginatus* and *Hoplias aff. malabaricus*\) from the upper](#)

[Parana River floodplain, Brazil.](#)

The present study is inspired by the great wealth of species exhibited by... 4th October, 2008
Departamento de Ciencias Biologicas, Programa de Pos-Graduacao em Ecologia- Braz J Biol. 2008 Aug;68(3):671-9.

- [Filamentous fungi isolated from sand and water of "Bairro Novo" and "Casa Caiada" beaches, Olinda, Pernambuco, Brazil.](#)

Fungi comprehend a heterogeneous group of heterotrophic microorganisms... 4th October, 2008
Departamento de Micologia, Laboratorio de Pos-Graduacao em Biologia de- Braz J Biol. 2008 Aug;68(3):577-82.

- [Characterization of habitats based on algal periphyton biomass in the upper Parana River floodplain, Brazil.](#)

Considering the relevant role played by the hydrological regime on the... 4th October, 2008
Departamento de Biologia, Faculdades Integrado, Campo Mourao, PR, Brazil.- Braz J Biol. 2008 Aug;68(3):503-9.

- [A year in a Cerrado wet grassland: a non-seasonal island in a seasonal savanna environment.](#)

In some Cerrado regions where the water table is superficial and soils are... 4th October, 2008
Departamento de Botanica, Universidade Federal de Sao Carlos, Sao Carlos,- Braz J Biol. 2008 Aug;68(3):495-501.

- [Phytoplankton community and physical-chemical characteristics of water in the public reservoir of Cruzeta, RN, Brazil.](#)

The Phytoplankton community and the abiotic factors of the Cruzeta... 4th October, 2008
Departamento de Oceanografia e Limnologia, Pos-Graduacao em Bioecologia- Braz J Biol. 2008 Aug;68(3):477-94.

- [Synthesis and Conformations of Dendronized Poly\(L-lysine\).](#)

Dendronized polymers based on a poly(L-lysine) backbone have been... 4th October, 2008
Department of Chemistry, University of California, Berkeley, California- Macromolecules. 2005 Dec 16;39(2):476-481. ([DOI Direct Link](#))

- [Cellular mechanisms underlying the laxative effect of flavonol naringenin on rat constipation model.](#)

BACKGROUND & AIMS: Symptoms of constipation are extremely common,... 4th October, 2008
The School of Life Science, Sun Yat-sen University, Guangzhou, China.- PLoS ONE. 2008 Oct 3;3(10):e3348. ([DOI Direct Link](#))

- [Seasonal Effects on the Nasolabial Skin Condition.](#)

In the present work, nasolabial skin condition and the influence of... 4th October, 2008
Department of Toxicology, Dermato-Cosmetology and Pharmacognosy, Vrije- Skin Pharmacol Physiol. 2008 Oct 3;22(1):8-14. ([DOI Direct Link](#))

- [Effect of Penetration Modifiers on the Dermal and Transdermal Delivery of Drugs and Cosmetic Active Ingredients.](#)

In this study the effect of 2 penetration modifiers, dimethyl isosorbide... 4th October, 2008
Unit for Drug Research and Development, North-West University,- Skin Pharmacol Physiol. 2008 Oct 2;21(6):326-334. ([DOI Direct Link](#))

- [Effects of Sucrose on the Extracellular Matrix of Plaque-Like Biofilm Formed in vivo, Studied by Proteomic Analysis.](#)

Previous studies have shown that sucrose promotes changes in the... 4th October, 2008
Piracicaba Dental School, UNICAMP, Piracicaba, Brazil.- Caries Res. 2008 Oct 3;42(6):435-443. ([DOI Direct Link](#))

- [Fluoride Concentration in Dentin of Exfoliated Primary Teeth as a Biomarker for Cumulative Fluoride Exposure.](#)

A biomarker for lifetime fluoride exposure would facilitate... 4th October, 2008
Office of the Army Surgeon General, Falls Church, Va., USA.- Caries Res. 2008 Oct 3;42(6):419-428. ([DOI Direct Link](#))

BioNews Results for Water

- [Former Scientific Director at Genomics Institute of Novartis Research Foundation Named President of Cell Thera](#)
KRON4: Oct 4 2008 6:16AM Matching: water
- [Former Scientific Director at Genomics Institute of Novartis Research Foundation Named President of Cell Thera](#)
KSLA: Oct 4 2008 12:08AM Matching: water
- [Bioengineering Seminar Series - Dr. A. Dean Sherry](#)
Georgia Tech: Oct 4 2008 4:47AM Matching: water
- [Pollution blamed for spate of cancer deaths in northern city](#)
Thanhvien: Oct 4 2008 6:45AM Matching: water
- [Agricultural research highlighted in Houston](#)
Genetic Engineering News: Oct 4 2008 1:34AM Matching: water
- [Stabilized dispersions comprising excipient surface-modified organic nanoparticles and medicament particles](#)
PharmCast: Oct 4 2008 1:21AM Matching: water
- [Detecting Phycocyanin-Pigmented Microbes in Reflected Light](#)
Tech Briefs: Oct 4 2008 7:10AM Matching: water
- [Frequently asked questions regarding APA's policies and positions on the use of torture or cruel, inhuman or d](#)
American Psychological Association: Oct 4 2008 6:39AM Matching: water
- [When Pregnancy and Cancer Collide](#)
Dallas Child: Oct 4 2008 1:18AM Matching: water
- [News Briefs \(10/03/08\)](#)
Press and Dakotan: Oct 3 2008 5:28AM Matching: water
- [Get a Deep Insight into the World Sports and Fitness Nutrition Market](#)
PR-USA.net: Oct 3 2008 11:40AM Matching: water
- [Former Scientific Director at Genomics Institute of Novartis Research Foundation Named President of Cell Thera](#)
MedIndia: Oct 3 2008 2:29PM Matching: water
- [Former Scientific Director at Genomics Institute of Novartis Research Foundation Named President of Cell Thera](#)
Montana's News Station: Oct 3 2008 4:40PM Matching: water
- [Former Scientific Director at Genomics Institute of Novartis Research Foundation Named President of Cell Thera](#)
KLFY: Oct 3 2008 2:20PM Matching: water
- [Former Scientific Director at Genomics Institute of Novartis Research Foundation Named President of Cell Thera](#)
San Francisco Business Times: Oct 3 2008 11:29AM Matching: water

Water Clinical Trials:

- [Water and the Gastropressor Response - Tachyphylaxis](#)
Orthostatic Hypotension





Water Patents:

- 7430025- [Portable electronic device](#)
- 7430231- [Vertical cavity surface emitting laser \(VCSEL\) arrays pumped solid-state lasers](#)
- 7430245- [Time-domain transmit and receive processing with channel eigen-mode decomposition for MIMO systems](#)
- 7430254- [Matched detector/channelizer with adaptive threshold](#)
- 7430266- [Procedure and means for replacing and procedure for repairing a section of a pipe in the primary circuit of a nuclear reactor](#)
- 7430276- [Low dose X-ray mammography method](#)
- 7430282- [Heel effect compensation filter X-ray irradiator, X-ray CT scanner and method for X-ray CT imaging](#)
- 7430295- [Simple untrusted network for quantum cryptography](#)
- 7430303- [Target detection method and system](#)
- 7430317- [Colouring of digital text elements and/or picture elements](#)
- 7430340- [Geographic information data base engine](#)
- 7430230- [Tube solid-state laser](#)
- 7430152- [System and method of operation thereof for increasing acoustic bandwidth of transmitting devices](#)
- 7430119- [Impeller and aligned cold plate](#)
- 7430029- [Color filter substrate having reflecting and transmitting components, liquid crystal display device having the same, and electronic device having the same](#)
- 7430043- [Turbidimeter improvements](#)
- 7430046- [Pathogen and particle detector system and method](#)
- 7430047- [Small container fluid dynamics to produce optimized inspection conditions](#)
- 7430072- [System and method for increasing image quality in a display system](#)
- 7430073- [Electrophoretic display device and method of displaying image](#)
- 7430074- [Generation of Terahertz waves](#)
- 7430106- [Materials for forming capacitor layer and printed wiring board having embedded capacitor circuit obtained by using the same](#)
- 7430107- [Monolithic capacitor, circuit board, and circuit module](#)
- 7430118- [Cold row encapsulation for server farm cooling system](#)
- 7430348- [Four-port optical filter fabricated from tapered optical fiber](#)
- 7430350- [Multi-length flexible image bundle](#)
- 7430469- [Motor vehicle control method of internal combustion engine](#)
- 7430470- [Method for managing a transportation fleet](#)
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- 7430479- [System and method for analyzing content data](#)
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- 7430501- [Decision support method for oil reservoir management in the presence of uncertain technical and economic parameters](#)
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- 7430466- [Steering force detection device for steering handle of vehicle](#)
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- 7430453- [Remote replication of local actuator mode selection](#)
- 7430352- [Multi-segment photonic-crystal-rod waveguides for amplification of high-power pulsed optical radiation and associated method](#)
- 7430355- [Light emissive signage devices based on lightwave coupling](#)
- 7430357- [Hermetic seal on metallized fiber optics](#)
- 7430359- [Micromechanical system containing a microfluidic lubricant channel](#)
- 7430364- [Cooler head vaporizer](#)
- 7430370- [Optical element, lens unit and image pickup apparatus](#)
- 7430377- [Image forming apparatus and process cartridge having a detachable unit body having a lubricant applying unit and image carrier mounted thereon](#)
- 7430442- [Miniature bidirectional amplifier](#)
- 7430445- [Noninvasive blood analysis by optical probing of the veins under the tongue](#)
- 7430449- [Methods and apparatus for testing disruption of a vagal nerve](#)
- 7430693- [Data memory system](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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