

# Water Softening

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## Recent Publications on Water Softening:



- [Creation of functional membranes using polyelectrolyte multilayers and polymer brushes.](#)  
*Over the last 15 years, the layer-by-layer deposition of polyelectrolytes...*30th May, 2008  
Department of Chemistry, Michigan State University, East Lansing, Michigan- *Langmuir*. 2008 Aug 5;24(15):7663-73. Epub 2008 May 29. ([DOI Direct Link](#))
- [Model-based operational constraints for fluidised bed crystallisation.](#)  
*Fluidised bed reactors are used for water softening in water treatment...*14th March, 2008  
DHV B.V., P.O. Box 1132, 3800 BC Amersfoort, The Netherlands.- *Water Res*. 2008 Jan;42(1-2):327-37. Epub 2007 Jul 27. ([DOI Direct Link](#))
- [Legionella pneumophila contamination of a dental unit water line system in a dental teaching centre.](#)  
*OBJECTIVE: This study aimed to evaluate the extent of Legionella...*26th February, 2008  
Microbiology Unit, Water Quality Division, Environment Research Centre,- *Int J Dent Hyg*. 2008 Feb;6(1):48-55. ([DOI Direct Link](#))
- [Use of zeolitized pumice waste as a water softening agent.](#)  
*Important pumice quarries are located on the island of Lipari (Italy)...*28th December, 2007  
Department of Industrial Chemistry and Material Engineering, University of- *J Hazard Mater*. 2007 Aug 17;147(1-2):513-7. Epub 2007 Jan 20. ([DOI Direct Link](#))
- [Interactions between chloride and sulfate or silica removals from wastewater using an advanced lime-aluminum softening process: equilibrium modeling.](#)  
*Interactions among chloride, sulfate, and silica removals from recycled...*3rd August, 2007  
Texas A&M University at Qatar, P.O. Box B-6, College Station, TX 77844,- *Water Environ Res*. 2007 May;79(5):528-35.
- [Infant nutrition.](#)  
*Faujasite (FAU) and zeolite A (LTA) are technologically important porous...*30th May, 2007  
- *MCN Am J Matern Child Nurs*. 2007 Mar-Apr;32(2):125; author reply 125. ([DOI Direct Link](#))
- [Softeners for hardness removal.](#)  
*The depletion of water resources, both surface and subsurface and...*5th January, 2007  
Environmental Engineering, University BDT College of Engineering,- *J Environ Sci Eng*. 2005 Oct;47(4):290-5.
- [Examination of styrene-divinylbenzene ion-exchange resins, used in contact with food, for potential migrants.](#)  
*The nature of extractable substances from five types of...*9th December, 2006  
Rapra Technology Ltd, Shawbury,- *Food Addit Contam*. 2006 Jul;23(7):726-37. ([DOI Direct Link](#))
- [Effects of time and point-of-use devices on arsenic levels in Southeastern Michigan drinking water.](#)

## USA.

- Health effects associated with chronic, low-level exposures to arsenic in...* 9th December, 2006  
The University of Michigan School of Public Health, Department of- Sci Total Environ. 2006 Oct 1;369(1-3):42-50. Epub 2006 Jun 5. ([DOI Direct Link](#))
- [Selective transport of ions and molecules across layer-by-layer assembled membranes of polyelectrolytes, p-sulfonato-calix\[n\]arenes and Prussian Blue-type complex salts.](#)  
*Our recent studies in the field of ultrathin membranes prepared upon...* 24th March, 2006  
Institut fur Physikalische Chemie der Universitat zu Koln, Luxemburger- Adv Colloid Interface Sci. 2005 Nov 30;116(1-3):121-31. Epub 2005 Aug 8. ([DOI Direct Link](#))
  - [Effect of water softening on the colour intensity of routine haematoxylin and eosin stain.](#)  
*Haematoxylin and eosin (H&E) is the most popular routine stain used in...* 24th February, 2006  
Princess Iman Research and Laboratory Sciences Centre, King Hussein- East Mediterr Health J. 2003 Sep-Nov;9(5-6):1109-13.
  - [Bioavailability of fluoride in drinking water: a human experimental study.](#)  
*It has been suggested that systemic fluoride absorption from drinking...* 16th December, 2005  
Faculty of Medical Sciences, University of Newcastle, Framlington Place,- J Dent Res. 2005 Nov;84(11):989-93.
  - [Essentials of water treatment in hemodialysis.](#)  
*It has been suggested that systemic fluoride absorption from drinking...* 13th December, 2005  
Dialysis/Apheresis, University of Washington, Scribner Kidney Center,- Hemodial Int. 2005 Apr;9(2):127-34. ([DOI Direct Link](#))
  - [Ion exchange with natural zeolites: an alternative for water softening?](#)  
*Possibility of using natural zeolites for water softening was...* 13th December, 2005  
Istanbul Technical University, Department of Environmental Engineering,- Water Sci Technol. 2005;51(11):71-7.

## **BioNews Results for Water Softening**

- [Hot Water Eases Itching](#)  
*Peoples Pharmacy: Aug 30 2008 5:56AM Matching: water*
- [Bill Clinton and Other Leaders Call For 'Renewal of Battle Against AIDS' in the United States at Democratic Co](#)  
*KLFY: Aug 30 2008 1:17AM Matching: water*
- [LETTERS: What about mental health funding?](#)  
*Las Vegas Review Journal: Aug 29 2008 3:10PM Matching: water*
- [Method of fortifying seeds with an](#)  
*Checkbiotech: Aug 29 2008 10:46AM Matching: water*
- [Method of fortifying seeds with an](#)  
*Checkbiotech: Aug 29 2008 10:46AM Matching: water*
- [Cancer center reveals expansion plans](#)  
*WALB 10: Aug 29 2008 5:32PM Matching: water*
- [Murray River 'cancer' creeps northward](#)  
*The Australian: Aug 29 2008 3:48PM Matching: water*
- [Hydrogel Technology Offers Flexible Characteristics](#)  
*Medical Device Link: Aug 29 2008 4:08PM Matching: water*
- [Bill Clinton and Other Leaders Call For 'Renewal of Battle Against AIDS' in the United States at Democratic Co](#)  
*KSLA: Aug 29 2008 9:47PM Matching: water*
- [Horn of Africa faces deepening crisis](#)

- Lancet: Aug 29 2008 2:33AM Matching: water*
- [Should you test for prostate cancer?](#)  
*Chicago Tribune: Aug 29 2008 3:04PM Matching: water*
  - [Nature and the Altruism Gene](#)  
*Sydney Morning Herald: Aug 29 2008 2:26PM Matching: water*
  - [Prickly fish add genetic heft to Darwin's theory](#)  
*CNEWS: Aug 29 2008 7:11PM Matching: water*
  - [Prickly fish add genetic heft to Darwin's theory on its 150th anniversary](#)  
*Sun FM: Aug 29 2008 6:16PM Matching: water*
  - [Prickly fish add genetic heft to Darwin's theory on its 150th anniversary](#)  
*Sympatico: Aug 29 2008 5:39PM Matching: water*

## Water Softening Patents:



- 7291266- [Composite filter and method and apparatus for producing high purity water using the composite filter](#)
- 7332080- [Apparatus for salt free water softening](#)
- 7332224- [Cleaning article containing hydrophilic polymers](#)
- 7335629- [Support-fixed bleaching catalyst complex compounds suitable as catalysts for peroxygen compounds](#)
- 7338595- [Flow-through tank for water treatment](#)
- 7348363- [Method of controlling zoological and aquatic plant growth](#)
- 7351335- [Filter module](#)
- 7353634- [Methods of utilizing waste waters produced by water purification processing](#)
- 7358032- [Planographic printing plate precursor](#)
- 7361797- [Hydrocarbon conversion using nanocrystalline zeolite Y](#)
- 7364646- [High-purity eluant generator](#)
- 7329778- [Process and catalyst for dehydrogenating primary alcohols to make carboxylic acid salts](#)
- 7329358- [Water treatment process](#)
- 7329338- [Conductivity sensor for an ion exchange water softener](#)
- 7291438- [Negative photosensitive composition and negative photosensitive lithographic printing plate](#)
- 7294266- [Filter cartridge for a water tank of a coffee machine](#)
- 7294654- [Method of making thermally regenerable salt sorbent resins](#)
- 7300569- [Water treatment system](#)
- 7303623- [Pelleting lime fines with asphalt enhancing binders and methods of use in asphalt manufacturing](#)
- 7303851- [Silver halide photographic light-sensitive material](#)
- 7306384- [Processing apparatus for lithographic printing plate and process for processing the same](#)
- 7309558- [Use of salt-like structured silicas as charge control agents](#)
- 7312175- [Ion exchange materials, method of forming ion exchange materials, and methods of treating liquids](#)
- 7316919- [Composite materials comprising supported porous gels](#)
- 7367222- [Multi-sensor system for fluid monitoring with selective exposure of sensors](#)
- 7368419- [Dishwashing detergent containing glycerol hydroxyalkyl ethers](#)

- 7404884- [Injection bonded articles and methods](#)
- 7405069- [Method for removing a nitrogen oxide from a gas](#)
- 7407923- [Packaged detergent composition](#)
- 7410938- [Calcium hypochlorite/scale inhibitor/residue disperser triblend](#)
- 7413637- [Self-contained, self-powered electrolytic devices for improved performance in automatic dishwashing](#)
- 7413656- [Aerobic sewage system](#)
- 7413668- [Quick change filter and bracket system with key system and universal key option](#)
- 7414129- [Reactive triphenioxazine dyes, methods for the production thereof, and use thereof](#)
- 7415983- [Method of cleaning articles in a dish machine using an acidic detergent](#)
- 7416664- [Water-conditioning cartridge](#)
- 7396440- [Load leveling and electrolysis system](#)
- 7390920- [Oxidation catalyst and process](#)
- 7390413- [Water softener system and method](#)
- 7369055- [Water softener monitoring system](#)
- 7371504- [Lithographic printing plate precursor](#)
- 7373949- [Fluid treatment system](#)
- 7373977- [Process for oil recovery employing surfactant gels](#)
- 7374367- [Methods for stabilizing heavy metal containing material for disposal in saturated zone](#)
- 7375070- [Portioned detergent composition](#)
- 7377945- [Cleaning method](#)
- 7381228- [Mono-, Di- or Trichromatic Dyeing or Printing of Natural or Synthetic Polyamide Fiber Materials](#)
- 7384902- [Metal brightener and surface cleaner](#)
- 7387721- [Apparatus and system for removing scale causing chemicals in hot water systems](#)
- 7417005- [Process for making, and use of, anionic clay materials](#)

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