

## Gasoline

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Gasoline or petrol is a petroleum-derived liquid mixture consisting mostly of aliphatic hydrocarbons and enhanced with aromatic hydrocarbons toluene, benzene or iso-octane to increase octane ratings, primarily used as fuel in internal combustion engines. Most Commonwealth countries or former Commonwealth countries, with the exception of Canada, use the term "petrol". The term "gasoline" is commonly used in North America where it is often shortened in colloquial usage to "gas". This should be distinguished in usage from genuinely gaseous fuels used in internal combustion engines such as liquified petroleum gas. The term mogas, short for motor gasoline, distinguished automobile fuel from aviation gasoline, or avgas. The word "gasoline" can also be used in British English to refer to a different petroleum derivative historically used in lamps; however, this use is now uncommon. ([From the Wikipedia article Gasoline.](#))

### Recent Publications on Gasoline:



- [Regional On-Road Vehicle Running Emissions Modeling and Evaluation for Conventional and Alternative Vehicle Technologies.](#)  
*This study presents a methodology for estimating high-resolution, regional...* 21st November, 2009  
Department of Civil, Construction and Environmental Engineering, North- Environ Sci Technol. 2009 Nov 1;43(21):8449-8455. ([DOI Direct Link](#))
- [Migration of Contaminated Soil and Airborne Particulates to Indoor Dust.](#)  
*We have developed a modeling and measurement framework for assessing...* 21st November, 2009  
Community, Environment and Policy Division, Mel and Enid Zuckerman College- Environ Sci Technol. 2009 Nov 1;43(21):8199-8205. ([DOI Direct Link](#))
- [Oxidative Desulfurization of Fuel Oil by Pyridinium-Based Ionic Liquids.](#)  
*In this work, an N-butyl-pyridinium-based ionic liquid [BPy]BF(4) was...* 20th November, 2009  
School of Chemical Engineering, Tianjin University, Tianjin, 300072,- Molecules. 2009 Oct 28;14(11):4351-4357. ([DOI Direct Link](#))
- [Development of an inhalation physiologically based pharmacokinetic \(PBPK\) model for 2,2,4-trimethylpentane \(TMP\) in male Long-Evans rats using gas uptake experiments.](#)  
*2,2,4-Trimethylpentane (TMP) is a volatile colorless liquid used primarily...* 20th November, 2009  
Integrated Systems Toxicology Divison, National Health and Environmental- Inhal Toxicol. 2009 Dec;21(14):1176-1185. ([DOI Direct Link](#))
- [Sensitivity and Bias of Molecular Marker-Based Aerosol Source Apportionment Models to Small Contributions of Coal Combustion Soot.](#)  
*Carbonaceous atmospheric particulate matter (PM(2.5)) collected in the...* 20th November, 2009  
Environmental Chemistry and Technology Program, University of- Environ Sci Technol. 2009 Oct 15;43(20):7770-7777. ([DOI Direct Link](#))
- [Direct photosynthetic recycling of carbon dioxide to isobutyraldehyde.](#)

- Global climate change has stimulated efforts to reduce CO(2) emissions....*17th November, 2009  
 [1] Department of Chemical and Biomolecular Engineering, University of- Nat Biotechnol. 2009 Nov 15. ([DOI Direct Link](#))
- [Indole-based assay to assess the effect of ethanol on Pseudomonas putida F1 dioxygenase activity.](#)  
*Toluene dioxygenase (TDO) is ubiquitous in nature and has a broad...*12th November, 2009  
 Tecnoamb Tecnologias Ambientais Ltda, Desembargador Vitor Lima, 260 Sala- Biodegradation. 2009 Nov 11. ([DOI Direct Link](#))
  - [Industrial fuel ethanol yeasts contain adaptive copy number changes in genes involved in vitamin B1 and B6 biosynthesis.](#)  
*Fuel ethanol is now a global energy commodity that is competitive with...*10th November, 2009  
 Department of Genetics, Stanford University, Stanford, California- Genome Res. 2009 Nov 6. ([DOI Direct Link](#))
  - [Biomonitoring of coastal areas in Tunisia: Stable isotope and trace element analysis in the Yellow-legged Gull.](#)  
*We used Yellow-legged Gull (YLG) chicks to monitor trace elements in...*10th November, 2009  
 Dept. Biologia Animal, Facultat de Biologia, Universitat de Barcelona,- Mar Pollut Bull. 2009 Nov 4. ([DOI Direct Link](#))
  - [Inhaled diesel emissions alter atherosclerotic plaque composition in ApoE\(-/-\) mice.](#)  
*Recent epidemiological studies suggest that traffic-related air pollution...*7th November, 2009  
 Toxicology Division, Lovelace Respiratory Research Institute, Albuquerque,- Toxicol Appl Pharmacol. 2009 Nov 3. ([DOI Direct Link](#))
  - [Study of Pb sources by Pb isotope ratios in the airborne PM\(10\) of Zaragoza, Spain.](#)  
*Lead is a toxic trace element which produces harmful effects on human...*6th November, 2009  
 Instituto de Carboquimica (CSIC), Miguel Luesma Castan, 4, 50018,- J Environ Monit. 2009 Nov;11(11):2052-7. Epub 2009 Sep 11. ([DOI Direct Link](#))
  - [Occupational exposures and laryngeal cancer among non-smoking and non-drinking men.](#)  
*In a previous hospital-based case-control study, we found an association...*6th November, 2009  
 Department of Public Health and Preventive Medicine, School of Medicine,- Int J Occup Environ Health. 2009 Oct-Dec;15(4):370-3.
  - [Predictors of blood lead in children in Chennai, India \(2005-2006\).](#)  
*Lead has been phased out of gasoline in India since 2001. However,...*6th November, 2009  
 University of Michigan School of Public Health 109 Observatory St., 1700- Int J Occup Environ Health. 2009 Oct-Dec;15(4):351-9.
  - [High Yield of Liquid Range Olefins Obtained by Converting i-Propanol over Zeolite H-ZSM-5.](#)  
*Methanol, ethanol, and i-propanol were converted under...*3rd November, 2009  
 Department of Chemistry, Technical University of Denmark, DK-2800 Kgs.- J Am Chem Soc. 2009 Nov 25;131(46):17009-17013. ([DOI Direct Link](#))
  - [Impact of Hurricane Ike on Texas poison center calls.](#)  
*On September 13, 2008, Hurricane Ike made landfall in Texas, resulting in...*30th October, 2009  
 Texas Department of State Health Services, Austin, TX 78756, USA.- Disaster Med Public Health Prep. 2009 Oct;3(3):151-7. ([DOI Direct Link](#))

## BioNews Results for Gasoline

- [Have you picked up this week's Bridgewater Independent?](#)  
*Bridgewater Independent: Oct 27 2009 8:24PM Matching: gasoline*
- [Bridgewater Independent drop locations](#)  
*Bridgewater Independent: Oct 26 2009 6:46PM Matching: gasoline*





## Gasoline Patents:

- 7615967- [Method and apparatus of estimating state of health of battery](#)
- 7617672- [Engine exhaust emission control device and exhaust emission control method](#)
- 7617808- [Engine start detection in a hybrid electric vehicle](#)
- 7617812- [Method of operating a compression ignition engine](#)
- 7617815- [Fuel activator using multiple infrared wavelengths](#)
- 7617851- [Refueling vapor recovery system](#)
- 7617999- [Preparing vehicular material for recycling](#)
- 7618230- [Self-propelled robot for the handling of explosive charges](#)
- 7618239- [Multi-blade fan for air-cooled engine](#)
- 7618287- [Connecting arrangement and contact pin](#)
- 7618343- [Control apparatus for vehicular drive system](#)
- 7617666- [Lawn maintenance device having wedge-shaped front section](#)
- 7617661- [Tri-wheeled modular housing telescopic grass trimmer](#)
- 7617617- [Process and apparatus for manufacture of fertilizer products from manure and sewage](#)
- 7615970- [Energy invest and profit recovery systems](#)
- 7615975- [Motor module having a deformable component that absorbs tolerances](#)
- 7616099- [Menu-driven remote control transmitter](#)
- 7616103- [Flexible fuel prediction and driver message display](#)
- 7616380- [Optical part and projection type display apparatus using same](#)
- 7617036- [Method and system for determining the velocity of an automobile](#)
- 7617111- [System and method for processing gasoline price data in a networked environment](#)
- 7617149- [Method and system for electronically inputting, monitoring and trading spreads](#)
- 7617192- [Method and system for capability content search with mobile computing devices](#)
- 7617460- [Display device, control method and program product](#)
- 7618466- [Fuel compositions](#)
- 7618467- [Detergent / anti-oxidant additives for fuels and lubricants](#)
- 7619012- [Method and apparatus for steam hydro-gasification in a fluidized bed reactor](#)
- 7619030- [Automobile part of polypropylene resin composition](#)
- 7619127- [Method of operating a riser reactor](#)
- 7619319- [Network of energy generating modules for transfer of energy outputs](#)
- 7619324- [Power system with multiple generator sets](#)
- 7619511- [Directional lamp daytime running light module, fog light system and vehicular turn signal control system](#)
- 7619728- [Methods and systems for in-situ machinery inspection](#)
- 7620488- [Engine control apparatus](#)
- 7620490- [Fuel injection control device for internal combustion engine](#)
- 7620491- [Apparatus for and method of performing start preparation for vehicular engine](#)
- 7619011- [Design of slurry bubble column reactors: novel technique for optimum catalyst size selection contractual origin of the invention](#)
- 7618762- [Polymer having polymerizable group, polymerizable composition, planographic printing plate precursor, and planographic printing method using the same](#)
- 7618745- [Sealed battery](#)
- 7618468- [Transportation fuels](#)
- 7618530- [Heavy oil hydroconversion process](#)

- 7618558- [Process for cleaning gases from gasification units](#)
- 7618593- [Reducing agent container having novel structure](#)
- 7618596- [Honeycomb filter and exhaust gas purification system](#)
- 7618600- [Reactor for removing ammonia](#)
- 7618605- [Exhaust emission control device and method for internal combustion engine, and engine control unit](#)
- 7618699- [Low-microcracked, porous ceramic honeycombs and methods of manufacturing same](#)
- 7618714- [Composite body made from polyacetal, bonding agent and polyolefin, method for production and use thereof](#)
- 7618726- [Fuel cell system and protection method thereof](#)
- 7620502- [Methods for identifying sets of oligonucleotides for use in an in vitro recombination procedure](#)

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