

Pyruvate Synthase

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Recent Publications on Pyruvate Synthase:

- [Study of the distribution of autotrophic CO₂ fixation cycles in Crenarchaeota.](#)
*Two new autotrophic carbon fixation cycles were recently described in...*24th October, 2009
Institut fuer Biologie II, Universitaet Freiburg;- Microbiology. 2009 Oct 22. ([DOI Direct Link](#))
- [Investigation of carbon metabolism in "Dehalococcoides ethenogenes" strain 195 by use of isotopomer and transcriptomic analyses.](#)
*Members of the genus "Dehalococcoides" are the only known microorganisms...*20th August, 2009
Energy, Environmental and Chemical Engineering, Washington University, One- J Bacteriol. 2009 Aug;191(16):5224-31. Epub 2009 Jun 12. ([DOI Direct Link](#))
- [Autotrophic carbon dioxide assimilation in Thermoproteales revisited.](#)
*For Crenarchaea, two new autotrophic carbon fixation cycles were recently...*1st July, 2009
Mikrobiologie, Fakultat Biologie, Albert Ludwigs Universitat-Freiburg,- J Bacteriol. 2009 Jul;191(13):4286-97. Epub 2009 May 1. ([DOI Direct Link](#))
- [Ss-LrpB, a transcriptional regulator from Sulfolobus solfataricus, regulates a gene cluster with a pyruvate ferredoxin oxidoreductase-encoding operon and permease genes.](#)
*Ss-LrpB is an Lrp-like transcriptional regulator from Sulfolobus...*12th March, 2009
Erfelijkheidslcer en Microbiologie, Vrije Universiteit Brussel, Pleinlaan- Mol Microbiol. 2009 Feb;71(4):972-88. Epub 2008 Dec 18. ([DOI Direct Link](#))
- [Oral immunization of broiler chickens against necrotic enteritis with an attenuated Salmonella vaccine vector expressing Clostridium perfringens antigens.](#)
*Necrotic enteritis (NE) in broiler chickens is caused by Clostridium...*1st October, 2008
Department of Pathobiology, University of Guelph, Guelph, Ontario N1G 2W1,- Vaccine. 2008 Aug 5;26(33):4194-203. Epub 2008 Jun 17. ([DOI Direct Link](#))
- [Enzymology of the wood-Ljungdahl pathway of acetogenesis.](#)
*The biochemistry of acetogenesis is reviewed. The microbes that catalyze...*13th August, 2008
Department of Biological Chemistry, University of Michigan, Ann Arbor, MI,- Ann N Y Acad Sci. 2008 Mar;1125:129-36. ([DOI Direct Link](#))
- [A dicarboxylate/4-hydroxybutyrate autotrophic carbon assimilation cycle in the hyperthermophilic Archaeum Ignicoccus hospitalis.](#)
*Ignicoccus hospitalis is an anaerobic, autotrophic, hyperthermophilic...*25th June, 2008
Lehrstuhl fur Mikrobiologie und Archaeenzentrum, Universitat Regensburg,- Proc Natl Acad Sci U S A. 2008 Jun 3;105(22):7851-6. Epub 2008 May 29. ([DOI Direct Link](#))
- [Hydrogen as an energy source for the human pathogen Bilophila wadsworthia.](#)
*The gram-negative anaerobic gut bacterium Bilophila wadsworthia is the...*18th June, 2008

Instituto de Tecnologia Quimica e Biologica, Universidade Nova de Lisboa,- Antonie Van Leeuwenhoek. 2008 May;93(4):381-90. Epub 2007 Dec 9. ([DOI Direct Link](#))

- [Disulfide bond-dependent mechanism of protection against oxidative stress in pyruvate-ferredoxin oxidoreductase of anaerobic Desulfovibrio bacteria.](#)
*Oxidative decarboxylation of pyruvate forming acetyl-coenzyme A is a...*7th March, 2008
Laboratoire de Bioenergetique et Ingenierie des Proteines, Unite Propre de- Biochemistry. 2008 Jan 22;47(3):957-64. Epub 2007 Dec 28. ([DOI Direct Link](#))
- [The enamine intermediate may not be universal to thiamine catalysis.](#)
*The biochemistry of acetogenesis is reviewed. The microbes that catalyze...*4th March, 2008
Laboratoire de Dynamique Moleculaire, Institut de Biologie Structurale- Angew Chem Int Ed Engl. 2008;47(4):628. ([DOI Direct Link](#))
- [In situ generation of oxo-sulfidobis\(dithiolene\)tungsten\(VI\) complexes: active-site models for the aldehyde ferredoxin oxidoreductase family of tungsten enzymes.](#)
*Oxo-sulfidobis(dithiolene)tungsten(VI) complexes were prepared in situ by...*17th January, 2008
Department of Chemistry, Graduate School of Science, Osaka City- Inorg Chem. 2007 Oct 15;46(21):8460-2. Epub 2007 Sep 14. ([DOI Direct Link](#))
- [Immunization of broiler chickens against Clostridium perfringens-induced necrotic enteritis.](#)
*Necrotic enteritis (NE) in broiler chickens is caused by Clostridium...*4th January, 2008
Department of Pathobiology, University of Guelph, Guelph, Ontario N1G 2W1,- Clin Vaccine Immunol. 2007 Sep;14(9):1070-7. Epub 2007 Jul 18. ([DOI Direct Link](#))
- [Degradation of serine-containing oligopeptides by Peptostreptococcus micros ATCC 33270.](#)
*BACKGROUND/AIMS: Microorganisms of Peptostreptococcus micros are...*19th December, 2007
Oral Ecology in Health and Infection, Niigata University Graduate School- Oral Microbiol Immunol. 2007 Dec;22(6):381-3. ([DOI Direct Link](#))
- [Flavodoxin:quinone reductase \(FqrB\): a redox partner of pyruvate:ferredoxin oxidoreductase that reversibly couples pyruvate oxidation to NADPH production in Helicobacter pylori and Campylobacter jejuni.](#)
*Pyruvate-dependent reduction of NADP has been demonstrated in cell...*5th October, 2007
Department of Medicine, Division of Infectious Diseases, University of- J Bacteriol. 2007 Jul;189(13):4764-73. Epub 2007 Apr 27. ([DOI Direct Link](#))
- [Insights into the autotrophic CO2 fixation pathway of the archaeon Ignicoccus hospitalis: comprehensive analysis of the central carbon metabolism.](#)
*Ignicoccus hospitalis is an autotrophic hyperthermophilic archaeon that...*7th September, 2007
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- [Molecular Modeling: Reports from University of Illinois advance knowledge in molecular modeling](#)
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- 7608450- [Nucleic acid and amino acid sequences relating to Staphylococcus epidermidis for diagnostics and therapeutics](#)
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- 7052883- [Process for the production of L-amino acids using strains of the family Enterobacteriaceae that contain an attenuated fruR gene](#)
- 6737248- [Staphylococcus aureus polynucleotides and sequences](#)
- 6630332- [Process for the fermentative preparation of L-threonine](#)
- 6593114- [Staphylococcus aureus polynucleotides and sequences](#)
- 6562601- [Fermentation process for the preparation of L-threonine](#)
- 6489100- [Microorganisms and methods for overproduction of DAHP by cloned PPS gene](#)
- 6054305- [Pyruvate orthophosphate dikinase gene, recombinant DNA, and process for producing pyruvate orthophosphate dikinase](#)
- 5985617- [Microorganisms and methods for overproduction of DAHP by cloned PPS gene](#)
- 5906925- [Microorganisms and methods for overproduction of DAHP by cloned pps gene](#)
- 7160711- [Coryneform bacteria which produce chemical compounds I](#)
- 7172883- [Process for L-amino acid production using Enterobacteriaceae by enhancing ahpC or ahpF encoding alkyl hydroperoxide reductase](#)
- 7598062- [Process for the production of L-amino acids using strains of the family enterobacteriaceae that contain an attenuated fruR gene](#)
- 7547531- [L-amino acid producing microorganism which has been modified to inactive the fimH gene, and a method for producing L-amino acid](#)
- 7422871- [Uropathogenic E. coli D-serine detoxification operon](#)
- 7407780- [Process for producing glycerol in recombinant bacterial host cells](#)
- 7332309- [Process for the preparation of L-amino acids using strains of the enterobacteriaceae family which contain an enhanced sucC or sucD gene](#)
- 7320882- [Process for L-amino acid production using enterobacteriaceae strain with enhanced ptsG expression](#)
- 7256021- [Enterobacteriaceae strains with an attenuated aspA gene for the fermentative production of amino acids](#)
- 7241600- [Process for the preparation of L-amino acids using strains of the enterobacteriaceae family](#)
- 7241587- [Method of uncoupling the catabolic pathway of glycolysis from the oxidative membrane bound pathway of glucose conversion](#)
- 7223588- [Microorganisms and methods for overproduction of DAHP by cloned Pps gene](#)
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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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