

Carbon-Oxygen Lyases Ec 4.2

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Department of Microbiology and Cell Science, University of Florida,- *Biotechnol Lett.* 2009 Sep;31(9):1389-98. Epub 2009 May 21. ([DOI Direct Link](#))
- [Structure-function analyses of isochorismate-pyruvate lyase from Pseudomonas aeruginosa suggest differing catalytic mechanisms for the two pericyclic reactions of this bifunctional enzyme.](#)
*The isochorismate-pyruvate lyase from Pseudomonas aeruginosa (PchB)...*31st July, 2009
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*A novel regulatory gene, which performs an essential function in sulfur...*23rd July, 2009
Department of Biotechnology and Bioinformatics, Korea University,- *Microbiology.* 2009 Jun;155(Pt 6):1878-89. Epub 2009 Apr 21. ([DOI Direct Link](#))
- [Implications of cysteine metabolism in the heavy metal response in Trichoderma harzianum and in three Fusarium species.](#)
*We studied the ability of four different fungal species, Trichoderma...*11th July, 2009
Dipartimento di Scienze Entomologiche, Fitopatologiche, Microbiologiche- *Chemosphere.* 2009 Jun;76(1):48-54. Epub 2009 Mar 18. ([DOI Direct Link](#))
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Department of Biotechnology, Indian Institute of Technology, Kharagpur,- *Int J Biol Macromol.* 2009 Jun 1;44(5):385-92. Epub 2009 Mar 11. ([DOI Direct Link](#))
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*Salicylate (SA, 2-hydroxybenzoate) is a phytohormone best known for its...*21st May, 2009
Department of Plant and Microbial Biology, University of California,- *J Biol Chem.* 2009 Apr 10;284(15):9742-54. Epub 2009 Feb 2. ([DOI Direct Link](#))
- [Increased thiol biosynthesis of transgenic poplar expressing a wheat O-acetylserine\(thiol\) lyase enhances resistance to hydrogen sulfide and sulfur dioxide toxicity.](#)
*O-acetylserine(thiol) lyase (OASTL), a key enzyme of the plant sulfur...*3rd April, 2009

Department of Molecular Chemistry, Faculty of Science, Chiba University,- Plant Cell Rep. 2009 Feb;28(2):313-23. Epub 2008 Nov 15. ([DOI Direct Link](#))

- [Cysteine synthase \(CysM\) of Mycobacterium tuberculosis is an O-phosphoserine sulfhydrylase: evidence for an alternative cysteine biosynthesis pathway in mycobacteria.](#)
*The biosynthesis of cysteine is a crucial metabolic pathway supplying a...*8th January, 2009
Department of Medical Biochemistry and Biophysics, Karolinska Institutet,- J Biol Chem. 2008 Nov 14;283(46):31567-74. Epub 2008 Sep 16. ([DOI Direct Link](#))
- [Eliminating side products and increasing succinate yields in engineered strains of Escherichia coli C.](#)
*Derivatives of Escherichia coli C were previously described for succinate...*17th December, 2008
Department of Chemical Engineering, University of Florida, Gainesville,- Biotechnol Bioeng. 2008 Dec 1;101(5):881-93. ([DOI Direct Link](#))
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*Threonine biosynthesis is a general feature of prokaryotes, eukaryotic...*4th November, 2008
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- [Threonine biosynthetic genes are essential in Cryptococcus neoformans.](#)
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- [Prediction of interaction sites from apo 3D structures when the holo conformation is different.](#)
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- [Characterization of a specific interaction between IP-L, a tobacco protein localized in the thylakoid membranes, and Tomato mosaic virus coat protein.](#)
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- [Knocking out cytosolic cysteine synthesis compromises the antioxidant capacity of the cytosol to maintain discrete concentrations of hydrogen peroxide in Arabidopsis.](#)
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