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Recent Publications by BIOTEK:



- [Mass spectrometric analysis of peptides from an immobilized lipase: focus on oxidative modifications.](#)
*Liquid chromatography/tandem mass spectrometry (LC/MS/MS) was used to...*21st October, 2009
Department of Biotechnology, Center for Chemistry and Chemical- Rapid Commun Mass Spectrom. 2009 Sep;23(18):2959-64. ([DOI Direct Link](#))
- [An alkaline active xylanase: insights into mechanisms of high pH catalytic adaptation.](#)
*The alkaliphilic bacterium, Bacillus halodurans S7, produces an alkaline...*15th October, 2009
Department of Biotechnology, Center for Chemistry & Chemical Engineering,- Biochimie. 2009 Sep;91(9):1187-96. Epub 2009 Jun 28. ([DOI Direct Link](#))
- [Mediator facilitated, laccase catalysed oxidation of granular potato starch and the physico-chemical characterisation of the oxidized products.](#)
*The primary hydroxyl groups in potato starch were selectively oxidized to...*26th August, 2009
Department of Biotechnology, Centre for Chemistry and Chemical- Bioresour Technol. 2009 Jul;100(14):3576-84. Epub 2009 Mar 18. ([DOI Direct Link](#))
- [Development of a high performance anion exchange chromatography analysis for mapping of oligosaccharides.](#)
*In the present study a HPAEC-PAD method is described that was developed...*18th August, 2009
BioPR&D, AstraZeneca R&D, SE-15185 Sodertalje, Sweden.- J Chromatogr B Analyt Technol Biomed Life Sci. 2009 Jul ([DOI Direct Link](#))
- [Biocatalytic polyester acrylation--process optimization and enzyme stability.](#)
*An OH-functional polyester has been acrylated via transesterification of...*7th August, 2009
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- 15;102(3):693-9. ([DOI Direct Link](#))
- [Interplay between the heterotrimeric G-protein subunits Galphaq and Galphai2 sets the threshold for chemotaxis and TCR activation.](#)
*BACKGROUND: TCR and CXCR4-mediated signaling appears to be reciprocally...*10th July, 2009
 The Biotechnology Centre of Oslo, University of Oslo, Oslo, Norway.- BMC Immunol. 2009 May 8;10:27. ([DOI Direct Link](#))
 - [iRefIndex: a consolidated protein interaction database with provenance.](#)
*BACKGROUND: Interaction data for a given protein may be spread across...*7th February, 2009
 The Biotechnology Centre of Oslo, University of Oslo, PO Box 1125- BMC Bioinformatics. 2008 Sep 30;9:405. ([DOI Direct Link](#))
 - [Boronate-containing polymer brushes: characterization, interaction with saccharides and mammalian cancer cells.](#)
*Boronate-containing polymer brushes were synthesized by free radical...*7th February, 2009
 Department of Biotechnology, Center for Chemistry and Chemical- J Biomed Mater Res A. 2009 Jan;88(1):213-25. ([DOI Direct Link](#))
 - [Inactivated infectious haematopoietic necrosis virus \(IHNV\) vaccines.](#)
*The inactivation dynamics of infectious haematopoietic necrosis virus...*17th December, 2008
 Maine BioTek, Inc.,- J Fish Dis. 2008 Oct;31(10):729-45. ([DOI Direct Link](#))
 - [Boronate-containing polymers form affinity complexes with mucin and enable tight and reversible occlusion of mucosal lumen by poly\(vinyl alcohol\) gel.](#)
*Copolymers of N-acryloyl-m-aminophenylboronic acid (NAAPBA) with...*27th September, 2008
 Department of Biotechnology, Center for Chemistry and Chemical- Int J Pharm. 2008 Jun 24;358(1-2):36-43. Epub 2008 Mar 10. ([DOI Direct Link](#))
 - [Thin semitransparent gels containing phenylboronic acid: porosity, optical response and permeability for sugars.](#)
*Radical copolymerization of acrylamide (Am) (90 mol%) with...*18th September, 2008
 Department of Biotechnology, Center for Chemistry and Chemical- J Mol Recognit. 2008 Mar-Apr;21(2):89-95. ([DOI Direct Link](#))
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*Patients with epilepsy, treated with antiepileptic drugs (AEDs) are at...*3rd July, 2008
 Department of Biochemistry, Institute of Basic Medical Sciences,- Seizure. 2008 Mar;17(2):187-91. Epub 2008 Jan 3. ([DOI Direct Link](#))
 - [Monolithic macroporous albumin/chitosan cryogel structure: a new matrix for enzyme immobilization.](#)
*A novel monolithic macroporous material was developed by cross-linking hen...*23rd May, 2008
 Department of Biotechnology, Lund University, P.O. Box 124, 22100, Lund,- Anal Bioanal Chem. 2008 Feb;390(3):907-12. Epub 2007 Dec 9. ([DOI Direct Link](#))
 - [Poly\(3-hydroxybutyrate\) production by Halomonas boliviensis in fed-batch culture.](#)
*High poly(3-hydroxybutyrate) (PHB) content and volumetric productivity...*10th May, 2008
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 - [Pharmacology of neurotransmitter transport into secretory vesicles.](#)
*Many neuropsychiatric disorders appear to involve a disturbance of...*21st February, 2008
 The Biotechnology Centre of Oslo, University of Oslo, 1125, Blindern,- Handb Exp Pharmacol. 2008;(184):77-106. ([DOI Direct Link](#))

- [Biotech Week set Nov. 22-29](#)
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- [Malaysia's Biotek purchases MIT 1000 System](#)
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BIOTEK Patents:



- 7431842- [Method of using silicon carbide for removal of adventitious agents](#)
- 4927687- [Sustained release transdermal drug delivery composition](#)
- 4834978- [Method of transdermal drug delivery](#)
- 4810499- [Transdermal drug delivery system and method](#)
- 4707362- [Sustained release composition](#)
- 4687481- [Transdermal drug delivery system](#)
- 4624665- [Method of transdermal drug delivery](#)
- 4623588- [Controlled release composite core coated microparticles](#)
- 4568559- [Composite core coated microparticles and process of preparing same](#)
- 4525164- [Wearable medication infusion system with arcuated reservoir](#)
- 4403984- [System for demand-based administration of insulin](#)
- 4402694- [Body cavity access device containing a hormone source](#)
- 4378016- [Artificial endocrine gland containing hormone-producing cells](#)
- 5556757- [Peptides representing epitopic sites for bacterial and viral meningitis causing agents and their CNS carrier and uses thereof](#)

- 5648097- [Calcium mineral-based microparticles and method for the production thereof](#)
- 7157102- [Multi-layered microcapsules and method of preparing same](#)
- 7041320- [High drug loaded injectable microparticle compositions and methods of treating opioid drug dependence](#)
- 7026453- [Method of protein purification](#)
- 6291248- [Nucleic acid purification and process](#)
- 6177278- [Nucleic acid purification and process](#)
- 5848449- [Slide lock device and method for securing a patient positioning mold](#)
- 5832550- [Moldable vacuum cushion](#)
- 5775337- [Immobilization device](#)
- 5758033- [Automated tissue assay using standardized chemicals and packages](#)
- 5737499- [System for performing a plurality of independent tissue analysis](#)
- 5696887- [Automated tissue assay using standardized chemicals and packages](#)
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