

Utilizing Gelatinized Starchy Waste from Rice Noodle Factory as Substrate for L(+)-Lactic Acid Production by Amylolytic Lactic Acid Bacterium *Enterococcus faecium* K-1

Differential mobility spectrometry classification of bacteria

Formation and use of biogenic jarosite carrier for high-rate iron oxidising biofilms

Reduced expiratory variability index (EVI) is associated with controller medication withdrawal and symptoms in wheezy children aged 1-5 years

Spatial variations in bacterial and archaeal abundance and community composition in boreal forest pine mycorrhizospheres

Estimating RNA numbers in single cells by RNA fluorescent tagging and flow cytometry

Similar temperature sensitivity of soil mineral-associated organic carbon regardless of age

Temporal variation in indoor transfer of dirt-associated environmental bacteria in agricultural and urban areas

Alkane and wax ester production from lignin-related aromatic compounds

Synthetic metabolic pathway for the production of 1-alkenes from lignin-derived molecules

Vertical stratification of bacteria and archaea in sediments of a small boreal humic lake

Mechanical impact stimulation platform tailored for high-resolution light microscopy

Production of alkanes from CO<sub>2</sub> by engineered bacteria

Metabolic pairing of aerobic and anaerobic production in a one-pot batch cultivation

Improved fatty aldehyde and wax ester production by overexpression of fatty acyl-CoA reductases

Archaea are prominent members of the prokaryotic communities colonizing common forest mushrooms

Crawling-induced floor dust resuspension affects the microbiota of the infant breathing zone

Effect of N/S ratio on anoxic thiosulfate oxidation in a fluidized bed reactor  
Experimental and artificial neural network model analysis

Microbiological, chemical and sensory spoilage analysis of raw Atlantic cod (*Gadus morhua*) stored under modified atmospheres

Resistant ammonia-oxidizing archaea endure, but adapting ammonia-oxidizing bacteria thrive in boreal lake sediments receiving nutrient-rich effluents

Understanding selenium biogeochemistry in engineered ecosystems  
Transformation and analytical methods

Twin-layer biosensor for real-time monitoring of alkane metabolism

The use of mathematical modeling for the development of a low cost fuzzy gain schedule neutralization control system

Echovirus 1 internalization negatively regulates epidermal growth factor receptor downregulation

Fate of metallic engineered nanomaterials in constructed wetlands  
prospection and future research perspectives

Transcription Initiation Controls Skewness of the Distribution of Intervals Between RNA Productions

Bioluminescence-based system for rapid detection of natural transformation

Robustness of the process of nucleoid exclusion of protein aggregates in *Escherichia coli*

Metabolic engineering of *Acinetobacter baylyi* ADP1 for removal of *Clostridium butyricum* growth inhibitors produced from lignocellulosic hydrolysates

Elevated levels of soluble CD26 and CD30 in multiple sclerosis

Changes in global gene expression of *Vibrio parahaemolyticus* induced by cold- and heat-stress

Gene expression profiles of *Vibrio parahaemolyticus* in the early stationary phase

Non-structural proteins P17 and P33 are involved in the assembly of the internal membrane-containing virus PRD1

Bioluminescent whole-cell reporter gene assays as screening tools in the identification of antimicrobial natural product extracts

Podocyte apoptosis is prevented by blocking the Toll-like receptor pathway

O-glycan repertoires on a mucin-type reporter protein expressed in CHO cell pools transiently transfected with O-glycan core enzyme cDNAs

Analysis of apoptosis-related genes in patients with clinically isolated syndrome and their association with conversion to multiple sclerosis

Human parechovirus as a minor cause of acute otitis media in children

Adaptive autoregressive model for reduction of noise in SPECT

Method with high-throughput screening potential for antioxidative substances using *Escherichia coli* biosensor *katG'::lux*

Reorganization of nuclear pore complexes and the lamina in late-stage parvovirus infection

The minor capsid protein VP11 of thermophilic bacteriophage P23-77 facilitates virus assembly by using lipid-protein interactions

Beta carbonic anhydrases

Novel targets for pesticides and anti-parasitic agents in agriculture and livestock husbandry

Coxsackievirus B3 VLPs purified by ion exchange chromatography elicit strong immune responses in mice

Assessment of metabolic flux distribution in the thermophilic hydrogen producer *Caloramator celer* as affected by external pH and hydrogen partial pressure

Julkaisun otsikon käännös: : Assessment of metabolic flux distribution in the thermophilic hydrogen producer *Caloramator celer* as affected by external pH and hydrogen partial pressure

Chlorpyrifos-induced changes in the antioxidants and fatty acid compositions of *Chroococcus turgidus* NTMS12

Metabolic engineering of *Acinetobacter baylyi* ADP1 for improved growth on gluconate and glucose

Murein lytic enzyme TgaA of *Bifidobacterium bifidum* MIMBb75 modulates dendritic cell maturation through its cysteine- and histidine-dependent amidohydrolase/peptidase (CHAP) amidase domain

Julkaisun otsikon käännös: : Murein Lytic Enzyme TgaA of *Bifidobacterium bifidum* MIMBb75 Modulates Dendritic Cell Maturation through Its Cysteine- and Histidine-Dependent Amidohydrolase/Peptidase (CHAP) Amidase Domain

Origins and functional consequences of somatic mitochondrial DNA mutations in human cancer

Positive association between biotin and the abundance of root-feeding nematodes

TgaA, a VirB1-like component belonging to a putative type IV secretion system of *Bifidobacterium bifidum* MIMBb75

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The haloarchaeal MCM proteins

Bioinformatic analysis and targeted mutagenesis of the  $\beta 7$ - $\beta 8$  and  $\beta 9$ - $\beta 10$  hairpin loops and conserved zinc binding domain cysteines

Human enterovirus 71 strains in the background population and in hospital patients in Finland

2D and 3D self-assembling nanofiber hydrogels for cardiomyocyte culture

Harnessing the complexity of gene expression data from cancer

From single gene to structural pathway methods

Distribution and dynamics of transcription-associated proteins during parvovirus infection

Melatonin pathway genes are associated with progressive subtypes and disability status in multiple sclerosis among Finnish patients

Farnesyltransferase inhibitor manumycin targets IL1 $\beta$ -Ras-HIF-1 $\alpha$  axis in tumor cells of diverse origin

Purification of norovirus-like particles (VLPs) by ion exchange chromatography

Inhibition of Casein kinase-2 induces p53-dependent cell cycle arrest and sensitizes glioblastoma cells to tumor necrosis factor (TNF $\alpha$ )-induced apoptosis through SIRT1 inhibition

Production of l-xylose from l-xylulose using Escherichia coli l-fucose isomerase

A comparison of immunogenicity of norovirus GII-4 virus-like particles and P-particles

DNA family shuffling within the chicken avidin protein family - A shortcut to more powerful protein tools

Production and characterization of virus-like particles and the P domain protein of GII.4 norovirus

Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage

Coxsackievirus B3-induced cellular protrusions  
Structural characteristics and functional competence

Structural influence of gene networks on their inference  
Analysis of C3NET

Disease-associated inflammatory biomarker profiles in blood in different subtypes of multiple sclerosis  
Prospective clinical and MRI follow-up study

Chimeric avidin shows stability against harsh chemical conditions-biochemical analysis and 3D structure

Prevalence of norovirus GII-4 antibodies in Finnish children

Development of microbial populations in the anaerobic hydrolysis of grass silage for methane production

Effects of storage on characteristics and hygienic quality of digestates from four co-digestion concepts of manure and biowaste

Storing energy crops for methane production  
Effects of solids content and biological additive

Group-specific quantification of methanotrophs in landfill gas-purged laboratory biofilters by tyramide signal amplification-fluorescence in situ hybridization

Anaerobic digestion of grass silage in batch leach bed processes for methane production

Leachate and gaseous emissions from initial phases of landfilling mechanically and mechanically-biologically treated municipal solid waste residuals

Effects of solid-liquid separation on recovering residual methane and nitrogen from digested dairy cow manure

Enumeration of methanotrophic bacteria in the cover soil of an aged municipal landfill

Anaerobic on-site treatment of kitchen waste in combination with black water in UASB-septic tanks at low temperatures

Hydrolysis rates, methane production and nitrogen solubilisation of grey waste components during anaerobic degradation

Modeling solid waste decomposition

Comparison of laboratory-scale thermophilic biofilm and activated sludge processes integrated with a mesophilic activated sludge process

Anaerobic solubilisation of nitrogen from municipal solid waste (MSW)

Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality

Anaerobic digestion of organic solid poultry slaughterhouse waste - A review

Anaerobically digested poultry slaughterhouse wastes as fertiliser in agriculture

Thermophilic anaerobic treatment of industrial process waters and wastewaters

A two-stage thermophilic anaerobic process for the treatment of source sorted household solid waste

Thermophilic anaerobic digestion of source-sorted household solid waste  
the effects of enzyme additions