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Публикации

Статья

Biotechnological potential of spent coffee grounds for biohydrogen production by Escherichia coli

Liana Vanyan, Hayarpi Aghekyan, Anait Vassilian, Anna Poladyan, Karen Trchounian

International Journal of Hydrogen Energy 2025 1121-1131

Статья

Fermentation of Sugar Beet Pulp by E. coli for Enhanced Biohydrogen and Biomass Production

Gayane Mikoyan, Liana Vanyan, Akerke Toleugazykyzy, Roza Bekbayeva, Kamila Baichiyeva, Kairat Bekbayev, Karen Trchounian

Energies 2025 2648

Статья

Microbial Valorization of Sunflower Husk for Sustainable Biohydrogen and Biomass Production

Liana Vanyan, Akerke Toleugazykyzy, Kaisar Yegizbay, Ayaulym Daniyarova, Lyudmila Zuloyan, Gayane Mikoyan, Anait Vassilian, Anna Poladyan, Kairat Bekbayev, Karen Trchounian

Energies 2025 3885

Статья

Evidence for bidirectional formic acid translocation in vivo via the Escherichia coli formate channel FocA

Liana Vanyan, Michelle Kammel, R Gary Sawers, Karen Trchounian

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Статья

PROTON AND POTASSIUM FLUXES IN ESCHERICHIA COLI MUTANTS WITH DEFECTS IN SUBUNITS RESPONSIBLE FOR MATURATION OF HYD-1 AND HYD-2 DURING GLUCOSE FERMENTATION

L.M. Vanyan

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Статья

Glucose concentration is determinant for the functioning of hydrogenase 1 and hydrogenase

2 in regulating the proton and potassium fluxes in Escherichia coli at pH 7.5

Liana Vanyan, Karen Trchounian

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Статья

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Статья

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Liana Vanyan, Adam Cenian, Karen Trchounian

Energies 2022 5935

Статья

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Satenik Mirzoyan, Hayarpi Aghekyan, Liana Vanyan, Anait Vassilian, Karen Trchounian

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Статья

INDUSTRIAL WASTE-BASED HYDROGEN PRODUCTION TECHNOLOGY: THE PROFITABILITY FOR INDUSTRIAL WASTE GENERATORS

Liana Vanyan, Heghine Gevorgyan, Hripsime Petrosyan, Armen Trchounian, Karen Trchounian

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Статья

Defining the roles of the hydrogenase 3 and 4 subunits in hydrogen production during glucose fermentation: A new model of a H₂-producing hydrogenase complex

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Статья

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Конференция

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Karen Trchounian, Hripsime Petrosyan, Liana Vanyan, Armen Trchounian, Anait Vassilian

Конференция

Interaction between Escherichia coli Hydrogenase-4 and FOF1- ATPase for proton translocation during fermentation of various glucose concentrations at slightly alkaline pH.

LIANA VANYAN, ARMEN TRCHOUNIAN, KAREN TRCHOUNIAN

Конференция

Anaerobic Utilization of Spent Coffee Grounds (SCG) by E. Coli: the Importance of Pretreatment to Optimize Hydrogen and Biomass Generation

L. Vanyan, H. Aghekyan, K. Trchounian

Конференция

NOVEL APPLICATION FOR ROASTED COFFEE WASTES AS A SUBSTRATE FOR DEVELOPMENT OF BIOFERTILIZERS

Liana Vanyan Manvel

Конференция

Proton/potassium Fluxes Depend on Glucose Concentration in E. coli at pH 7.5

Liana Vanyan, Anait Vassilian, Karen Trchounian

Конференция

Is FHL Complex Responsible for Sensing Glucose Concentration?

Liana Vanyan, Anait Vassilian, Karen Trchounian

Конференция

Biohydrogen Production from Roasted Coffee Waste: Understanding the Role of E. coli Hydrogenases During Fermentation

S. Mirzoyan, L. Vanyan, H. Aghekyan, A. Poladyan, K. Trchounian

Конференция

ՕՐԳԱՆԱԿԱՆ ԹԱՓՈՆՆԵՐԻՑ ԿԵՆՍԱԶԱՆԳՎԱԾԻ ԵՎ ԿԵՆՍԱԷՆԵՐԳԻԱՅԻ ՓՈԽԱԿԵՐՊՄԱՆ ԿԵՆՍԱՔԻՄԻԱԿԱՆ ՈՒՂԻՆԵՐԻ ԲՆՈՒԹԱԳՐՈՒՄԸ ԵՎ ՕՔՍԻԴԱԿԵՐԱԿԱՆԳՈՂԱԿԱՆ ԿԱՐԳԱՎՈՐՈՒՄԸ
Փոլադյան Ա.Ա., Գևորգյան Հ.Խ., Վանյան Լ.Մ., Բաբայան Ա.Ռ., Բաղդասարյան Լ.Հ., Վասիլյան Ա.Վ.,
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Конференция

BIOTECHNOLOGICAL POTENTIAL OF SPENT COFFEE GROUNDS FOR LARGE-SCALE HYDROGEN PRODUCTION

Liana Vanyan, Anait Vassilian, Anna Poladyan, Karen Trchounian

Конференция

THE ROLE OF E. COLI HYDROGENASE-1 IN PROTON FLUX DURING GLUCOSE UTILIZATION AT PH 7.5

Liana Vanyan, Karen Trchounian

Конференция

Understanding the Role of Escherichia coli Hydrogenase-2 subunits in proton flux under different glucose concentrations

Liana Vanyan, Anait Vassilian, Anna Poladyan, Karen Trchounian

Конференция

The effect of entire deletion of Hydrogenase-1 and 2 on proton flux during utilization of varied glucose concentration at pH 7.5

L. Vanyan, K. Trchounian

Конференция

The role of the CRP global regulator in proton flux of Escherichia coli under different glucose concentrations

Liana Vanyan, Lilit Grigoryan, Karen Trchounian

Конференция

Growth and Hydrogen Production of Escherichia Coli BW25113 in Mixtures of Sugar Beet Pulp and Sugar Beet Molasses

Gayane Mikoyan, Liana Vanyan, Karen Trchounian, Kamila Baichiyeva, Kaiser Yegizbay, Kairat Bekbayev
