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Знание языков

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Научные интересы

- Биоэнергетика, Биохимия, Микробиология, Биотехнология

Государственные награды и почетные звания

2016 Премия Моррисона Рогозы Американского общества микробиологии (ASM)

2019 Серебряная медаль по случаю 100-летия ЕГУ

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Статья
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ESCHERICHIA COLI GROWTH AND HYDROGEN PRODUCTION USING BREWERY WASTE: OPTIMAL PRETREATMENT AND ROLE OF HYDROGENASES
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Ralstonia eutropha Hydrogenase Application in Bioelectrocatalysis as Anode Enzyme
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Anna Poladyan, Tatyana Semashko, Lyudmila Zhukouskaya, Volha Diameshka, Armen Trchounian

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Redox regulation of the growth, hydrogenase activity and bioenergetic properties of Ralstonia eutropha upon different carbon source utilization
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Lignocellulosic waste as feedstock for bacterial biomass production:enhanced hydrogen evolution and hydrogenase activity
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Prospective Trends in Biotechnology for Biohydrogen
Karen Trchounian, Anna Poladyan, Lilit Gabrielyan, Armen Trchounian

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

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Optimization of Fruits Waste Pretreatment for E. coli Growth and H2 Production
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WINE GRAPE WASTE APPLICATION FOR ESCHERICHIA COLI BIOMASS AND H2 PRODUCTION
Syuzanna Blbulyan, Lusine Baghdasaryan, Satenik Mirzoyan, Anahit Vassilian, Tatiana Semashko,

Anna Poladyan

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The valorization of whey-based side-streams for microbial biomass, hydrogen and hydrogenase enzyme production
Anna Poladyan, Hayarpi Aghekyan, Ella Minasyan, Karen Trchounian, Ani Paloyan, Sargis Aghayan,

Garabed Antranikian, Meri Iskandaryan, Diana Ghevondyan

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THE OXIDATIVE STRESS AND POSSIBLE PREVENTIVE ACTION OF PLANT BORN POLYPHENOLS
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THE OXIDATIVE STRESS AND T2DM-INDUCED DIABETIC NEPHROPATHY: POSSIBLE PREVENTIVE ACTION OF PANT-BORN OLIGOMERIC POLYPHENOLS

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Characteristic effects of gold nanoparticles on growth and H2 metabolism of Ralstonia eutropha H16 and Escherichia coli

Anna Poladyan, Tatev Manutsyan, Meri Iskandaryan, Syuzanna Blbulyan, Anait Vassilian,

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Meri Iskandaryan, Liana Mnatsakanyan, Anna Poladyan

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

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Anna Poladyan, Karen Trchounian, Naira Sahakyan

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The role of the Escherichia coli FocA and FocB formate channels in proton flux during fermentation of mixed carbon sources

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