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Education

Institution	Yerevan State University
Faculty	Biology
Date	2016 - 2020
Degree name	Bachelor

Publications

Article
Escherichia coli FocA/B-dependent H+ and K+ fluxes: Influence of exogenous versus endogenous formate
Lilit Grigoryan, Anush Babayan, Anait Vassilian, Anna Poladyan, Gary Sawers, Karen Trchounian
Biophysical Reports 2025 100225

Article
Role of the Escherichia coli FocA and FocB formate channels in controlling proton/potassium fluxes and hydrogen production during osmotic stress in energy-limited, stationary phase fermenting cells
Anush Babayan, Anait Vassilian, Anna Poladyan, Karen Trchounan
Biochimie 2024 91-98

Conference
The role of the Escherichia coli FocA and FocB formate channels in proton flux during fermentation of mixed carbon sources
Anush Babayan, Anait Vassilian, Anna Poladyan, Karen Trchounian
2024 81 - 81
https://www.ebec2024.org/

Article
Osmotic stress as a factor for regulating E. coli hydrogenase activity and enhancing H2 production during mixed carbon sources fermentation

Anush Babayan, Anahit Vassilian, Karen Trchounian

AIMS Microbiology 2023 724-737

Conference

Influence of osmotic stress on H2 production in Escherichia coli during fermentation of mixed carbon sources at acidic pH

Anush Babayan, Karen Trchounian

2023 620 - 620

https://www.fems2023.org/

Conference

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Փոլադյան Ա.Ա., Գևորգյան Հ.Խ., Վանյան Լ.Մ., Բաբայան Ա.Ռ., Բաղդասարյան Լ.Հ., Վասիլյան Ա.Վ.,

Պետրոսյան Հ.Հ.

2023 91-92

https://www.ysu.am/conference/770/53120

Conference

HYDROGEN PRODUCTION DURING GLUCOSE AND FORMATE UTILIZATION IN OSMOTIC STRESSED CELLS OF ESCHERICHIA COLI AT ALKALINE PH

Anush Babayan, Karen Trchounian

2022 78 - 78

https://fems-microbiology.org/opportunities/fems-conference-on-microbiology/
