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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/
