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Публикации

Статья

Comparison of sulfur and nitrogen deprivation effects on photosynthetic pigments, polyphenols, photosystems activity and H₂ generation in *Chlorella vulgaris* and *Parachlorella kessleri*

Jemma Manoyan, Lilit Hakobyan, Tatsiana Samovich, Nikolai Kozel, Naira Sahakyan,

Hanna Muravitskaya, Vadim Demidchik, Lilit Gabrielyan

International Journal of Hydrogen Energy 2024 408-418

Статья

Phototrophic microorganisms as the future of green biotechnology

Lilit Hakobyan, Lilit Gabrielyan

Microbial Essentialism: An Industrial Prospective 2024 181-205

Статья

The prospects of brewery waste application in biohydrogen production by photofermentation of *Rhodobacter sphaeroides*.

Lilit Hakobyan, Lilit Gabrielyan, Syuzanna Blbulyan, Armen Trchounian

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Статья

Biohydrogen by *Rhodobacter sphaeroides* during photo-fermentation: Mixed vs. sole carbon sources enhance bacterial growth and H₂ production

Lilit Hakobyan, Lilit Gabrielyan, Armen Trchounian

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Статья

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Статья

The effect of Cu (I) and Cu (II) ions' low concentrations on growth, biohydrogen production and the FoF1-ATPase activity of *Rhodobacter sphaeroides*

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The Effect of Various Metal Ions on Bio-hydrogen Production and F₀F₁-ATPase Activity of Rhodobacter Sphaeroides

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New sources and optimized conditions for hydrogen production by Rhodobacter sphaeroides

Lilit Gabrielyan, Lilit Hakobyan, Harutyun Sargsyan, Armen Trchounian

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Advantages of mixed carbon fermentation in biological hydrogen production by Rhodobacter sphaeroides

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Redox regulation of F_oF₁-ATPase activity of membrane vesicles of Rhodobacter sphaeroides

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Light/dark duration as a tool to enhance bio-hydrogen production by Rhodobacter sphaeroides

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Hydrogen cycle in purple non-sulfur bacteria: relationship between nitrogenase and hydrogenase

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Membrane conductance of Rhodobacter sphaeroides and the input of FOF1- ATPase in its formation

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The role of FOF1-ATPase in biological hydrogen production by Rhodobacter sphaeroides during mixed carbon fermentation

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Регуляция фотовыделения биоводорода пурпурной бактерией Rhodobacter sphaeroides

Габриелян Л.С., Акопян Л.Ю., Трчунян А.А.

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Optimization of growth conditions and substrates used as a tool altering the mode of metabolism of Rhodobacter sphaeroides: the role of membrane bound systems in the mechanisms of regulation.

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Перспективы фотоферментативного выделения H₂ пурпурными бактериями при использовании углерод-содержащих продуктов.

Л.С. Габриелян, Л.Ю. Акопян, А.А. Трчунян

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Biological Hydrogen Generation by Purple Bacteria as a Promising Way of Industrial Waste Treatment

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Hydrogen generation in sulfur-deprived green microalgae Chlorella vulgaris

L. Hakobyan, J. Manoyan, E. Panosyan, L. Gabrielyan

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The case of industrial waste utilization by phototrophic microorganisms: incorporating active learning strategies for effective Biotechnology and Microbiology instruction at the graduate level

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CHLORELLACEAE ԸՆՏԱՆԻՔԻ ՋՐԻՄՈՒՌՆԵՐԻ ԱՃՍԱՆ ԲՆՈՒԹԱԳՐԵՐԸ և ԿԵՆՍԱԶՐԱԾՆԻ ԱՐՏԱԴՐՈՒԹՅՈՒՆԸ ԿԵՆՍԱԾԻՆ ՏԱՐՐԵՐԻ ՍԱԿԱՎՈՒԹՅԱՆ ՊԱՅՄԱՆՆԵՐՈՒՄ

Մանոյան Զ.Գ., Հակոբյան Լ.Յու., Մուրավիցկայա Ա.Օ., Դեմիդչիկ Վ.Վ., Գաբրիելյան Լ.Ս.

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Application of active learning strategies to improve student engagement

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Enhancement of H₂ production by *Chlorella vulgaris* using potato peel waste

J. Manoyan, L. Hakobyan, L. Gabrielyan
