Processes期刊2024-2025“生物过程和系统”方向文章精选 MDPI编辑荐读

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Processes期刊2024-2025“生物过程和系统”方向文章精选 MDPI编辑荐读。期刊名：Processes

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本期文献清单为您精选了Processes期刊2024 – 2025年发表的15篇文章，内容涵盖生物修复过程，发酵技术、酶技术，生物塑料和生物表面活性剂等研究。希望能为相关领域学者提供新的研究思路和参考，欢迎大家阅读。

文章1

An Experimental Investigation of Hydrogen Production through Biomass Electrolysis

生物质电解制氢的实验研究

https://www.mdpi.com/2227-9717/12/1/112

Umer, M.; Brandoni, C.; Jaffar, M.; Hewitt, N.J.; Dunlop, P.; Zhang, K.; Huang, Y. An Experimental Investigation of Hydrogen Production through Biomass Electrolysis. Processes 2024, 12, 112.

文章2

Effect of Recycling on Thermomechanical Properties of Zein and Soy Protein Isolate Bioplastics

回收利用对玉米醇溶蛋白和大豆分离蛋白生物塑料的热机械性能的影响

https://www.mdpi.com/2227-9717/12/2/302

Alsadat-Seyedbokaei, F.; Felix, M.; Bengoechea, C. Effect of Recycling on Thermomechanical Properties of Zein and Soy Protein Isolate Bioplastics. Processes 2024, 12, 302.

文章3

Enzymatic Pretreatment of Slaughterhouse Wastewater: Application of Whole Lipolytic Cells of Rhizopus oryzae Produced from Residual Vegetable Oil

利用废弃植物油培养的米根霉全脂解细胞对屠宰场废水的酶法预处理

https://www.mdpi.com/2227-9717/12/3/500

Reis, W.S.M.; Bento, H.B.S.; Carvalho, A.K.F.; Pereira, E.B. Enzymatic Pretreatment of Slaughterhouse Wastewater: Application of Whole Lipolytic Cells of Rhizopus oryzae Produced from Residual Vegetable Oil. Processes 2024, 12, 500.

文章4

Hybrid Modeling for On-Line Fermentation Optimization and Scale-Up: A Review

用于在线发酵优化与放大的混合建模研究综述

https://www.mdpi.com/2227-9717/12/8/1635

Albino, M.; Gargalo, C.L.; Nadal-Rey, G.; Albæk, M.O.; Kr ü hne, U.; Gernaey, K.V. Hybrid Modeling for On-Line Fermentation Optimization and Scale-Up: A Review. Processes 2024, 12, 1635.

文章5

Physical Cell Disruption Technologies for Intracellular Compound Extraction from Microorganisms

用于从微生物中提取细胞内化合物的物理细胞破碎技术

https://www.mdpi.com/2227-9717/12/10/2059

Zhao, F.; Wang, Z.; Huang, H. Physical Cell Disruption Technologies for Intracellular Compound Extraction from Microorganisms. Processes 2024, 12, 2059.

文章6

Kombucha Fermentation in Coffee: Application of Constant Air Flow Reactor

恒流气升式反应器应用在咖啡基质中康普茶的发酵过程

https://www.mdpi.com/2227-9717/12/10/2159

Blaszak, B.; Dorawa, P.; Sudo?, P.; Fabiszak, K.; Swiadek, M.; Witucka, K.; Zimnicka, J.; Brudnicki, M.; Maciejewski, B.; Bovkun, D.; et al. Kombucha Fermentation in Coffee: Application of Constant Air Flow Reactor. Processes 2024, 12, 2159.

文章7

Production, Characterization and Application of Biosurfactant for Cleaning Cotton Fabric and Removing Oil from Contaminated Sand

用于棉织物清洁和去除受污染沙子中油污的生物表面活性剂的生产、表征和应用

https://www.mdpi.com/2227-9717/12/11/2584

Silva, R.R.; Caldas, M.C.F.; Lima, C.V.A.; Meira, H.M.; Sarubbo, L.A.; Luna, J.M. Production, Characterization and Application of Biosurfactant for Cleaning Cotton Fabric and Removing Oil from Contaminated Sand. Processes 2024, 12, 2584.

文章8

Lipid Production from Palm Acid Oil (PAO) as a Sole Carbon Source by Meyerozyma guilliermondii

吉氏梅耶酵母以棕榈酸油（PAO）为唯一碳源生产油脂

https://www.mdpi.com/2227-9717/13/2/311

Zain, N.-A.A.; Tan, K.L.; Kahar, P.; Ogino, C. Lipid Production from Palm Acid Oil (PAO) as a Sole Carbon Source by Meyerozyma guilliermondii. Processes 2025, 13, 311.

文章9

Biosurfactant Production by Yarrowia lipolytica in Corn Steep Liquor-Based Media for Hydrocarbon Bioremediation

利用解脂耶氏酵母在玉米浸液培养基中生产生物表面活性剂并用于烃类生物修复过程

https://www.mdpi.com/2227-9717/13/2/412

Lopes, J.M.; Macedo, B.P.; Sodr é , T.S.; Cayres, C.A.; Ferreira, R.M.; Fraga, J.L.; Coelho, M.A.Z.; Amaral, P.F.F.; Ferreira, T.F. Biosurfactant Production by Yarrowia lipolytica in Corn Steep Liquor-Based Media for Hydrocarbon Bioremediation. Processes 2025, 13, 412.

文章10

Bacterial-Retted Hemp Fiber/PLA Composites

细菌沤制大麻纤维/PLA复合材料

https://www.mdpi.com/2227-9717/13/4/1000

Smith, L.M.; Fu, Y.; Pittala, R.K.; Wang, X.; Jabel, C.; Masignag, K.; Arellanes, J.; Ghosh, M.; Shi, S.Q.; Ecker, M.; et al. Bacterial-Retted Hemp Fiber/PLA Composites. Processes 2025, 13, 1000.

文章11

Transcriptomic Response of Azospirillum brasilense Co-Cultured with Green Microalgae Chlorella sp. and Scenedesmus sp. During CO2 Biogas Fixation

巴西固氮螺菌与绿藻小球藻和栅藻在二氧化碳沼气固定过程中共培养的转录组响应

https://www.mdpi.com/2227-9717/13/7/2177

Garciglia-Mercado, C.; Palacios, O.A.; Contreras-God í nez, C.A.; Torres-Vel á zquez, J.R.; Choix, F.J. Transcriptomic Response of Azospirillum brasilense Co-Cultured with Green Microalgae Chlorella sp. and Scenedesmus sp. During CO2 Biogas Fixation. Processes 2025, 13, 2177.

文章12

Influence of Polyester and Denim Microfibers on the Treatment and Formation of Aerobic Granules in Sequencing Batch Reactors

聚酯和牛仔布微纤维对序批式反应器中好氧颗粒处理和形成的影响

https://www.mdpi.com/2227-9717/13/7/2272

Onyedibe, V.O.; Waseem, H.; Aqeel, H.; Liss, S.N.; Gilbride, K.A.; S ü hring, R.; Hamza, R. Influence of Polyester and Denim Microfibers on the Treatment and Formation of Aerobic Granules in Sequencing Batch Reactors. Processes 2025, 13, 2272.

文章13

Edible Mushroom Cultivation in Liquid Medium: Impact of Microparticles and Advances in Control Systems

液体培养基中食用菌栽培过程中微粒的影响以及控制系统方面的研究进展

https://www.mdpi.com/2227-9717/13/8/2452

Romero, J.C.F.; Oprea, O.B.; Gaceu, L.; M á s Diego, S.M.; Morris Quevedo, H.J.; Galindo Alonso, L.; Rivero Ram í rez, L.; Badea, M. Edible Mushroom Cultivation in Liquid Medium: Impact of Microparticles and Advances in Control Systems. Processes 2025, 13, 2452.

文章14

Immobilized Pseudomonas fluorescens Lipase on Eggshell Membranes for Sustainable Lipid Structuring in Cocoa Butter Substitute

固定在蛋壳膜上的荧光假单胞菌脂肪酶用于可可脂替代品中脂质结构的可持续构建

https://www.mdpi.com/2227-9717/13/8/2548

Ostojcic, M.; Stjepanovic, M.; Bilic Rajs, B.; Strelec, I.; Velic, N.; Brekalo, M.; Hessel, V.; Budzaki, S. Immobilized Pseudomonas fluorescens Lipase on Eggshell Membranes for Sustainable Lipid Structuring in Cocoa Butter Substitute. Processes 2025, 13, 2548.

文章15

Efficient Bio-Oxidation of Cellobiose with Engineered Gluconobacter oxydans to Provide Highly Concentrated Cellobionic Acid

利用工程化氧化葡萄糖酸杆菌对纤维二糖进行高效生物氧化，以制备高浓度的纤维二糖酸

https://www.mdpi.com/2227-9717/12/7/1464

Bieringer, E.; P ü tthoff, L.; Zimmermann, A.; de Souza G ó es, M.; Yilmaz, U.; Ehrenreich, A.; Liebl, W.; Weuster-Botz, D. Efficient Bio-Oxidation of Cellobiose with Engineered Gluconobacter oxydans to Provide Highly Concentrated Cellobionic Acid. Processes 2024, 12, 1464.

Processes 期刊介绍

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