

Efficient ethanol production from brown macroalgae su

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Characterization of an Alginate Lyase, FlAlYA, from <i>Flavobacterium</i> sp. Strain UMI-01 and Its Expression in <i>Escherichia coli</i> . <i>Marine Drugs</i> , 2014, 12, 4693-4712.	4.6	72
2	Metabolic pathway of 3,6-anhydro-L-galactose in agar-degrading microorganisms. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 866-878.	2.6	26
3	Identification and characterization of 3,6-anhydro-L-galactose dehydrogenases belonging to the aldehyde dehydrogenase superfamily from marine and soil microorganisms. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 1058-1068.	2.6	5
4	Structure-based Conversion of the Coenzyme Requirement of a Short-chain Dehydrogenase/Reductase Involved in Bacterial Alginate Metabolism. <i>Journal of Biological Chemistry</i> , 2014, 289, 33198-33214.	3.4	39
5	Vitalized yeast with high ethanol productivity. <i>RSC Advances</i> , 2014, 4, 52299-52306.	3.6	12
6	Identification and characterization of a galacturonic acid transporter from <i>Neurospora crassa</i> and its application for <i>Saccharomyces cerevisiae</i> fermentation processes. <i>Biotechnology for Biofuels</i> , 2014, 7, 20.	6.2	54
7	Microorganisms living on macroalgae: diversity, interactions, and biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2917-2935.	3.6	171
8	Modification of lignin with dodecyl glycidyl ether and chlorosulfonic acid for preparation of anionic surfactant. <i>RSC Advances</i> , 2014, 4, 16944-16950.	3.6	31
9	Optimal production of 4-deoxy-l-erythro-5-hexoseulose uronic acid from alginate for brown macroalgae saccharification by combining endo- and exo-type alginate lyases. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 2105-2111.	3.4	41
10	Scalable production of mechanically tunable block polymers from sugar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8357-8362.	7.1	159
11	Comparative Biochemical Characterization of Three Exolytic Oligoalginate Lyases from <i>Vibrio splendidus</i> Reveals Complementary Substrate Scope, Temperature, and pH Adaptations. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4207-4214.	3.1	103
12	Alginate-Dependent Gene Expression Mechanism in <i>Sphingomonas</i> sp. Strain A1. <i>Journal of Bacteriology</i> , 2014, 196, 2691-2700.	2.2	14
13	The genome-scale metabolic network of <i>Ectocarpus siliculosus</i> (Ecto _{scp} GEM): a resource to study brown algal physiology and beyond. <i>Plant Journal</i> , 2014, 80, 367-381.	5.7	39
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15	Draft genome sequence of <i>Microbulbifer elongatus</i> strain HZ11, a brown seaweed-degrading bacterium with potential ability to produce bioethanol from alginate. <i>Marine Genomics</i> , 2014, 18, 83-85.	1.1	18
16	Characterization of a GHF45 cellulase, AkEG21, from the common sea hare <i>Aplysia kurodai</i> . <i>Frontiers in Chemistry</i> , 2014, 2, 60.	3.6	11
19	Identification of a 4-Deoxy-l-erythro-5-hexoseulose Uronic Acid Reductase, FlRed, in an Alginateolytic Bacterium <i>Flavobacterium</i> sp. Strain UMI-01. <i>Marine Drugs</i> , 2015, 13, 493-508.	4.6	34
20	Characterization of an eukaryotic PL-7 Alginate Lyase in the Marine Red Alga <i>Pyropia yezoensis</i> . <i>Current Biotechnology</i> , 2015, 4, 240-258.	0.4	31

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34	Ethanol production by engineered thermophiles. <i>Current Opinion in Biotechnology</i> , 2015, 33, 130-141.	6.6	114
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36	Efficient production of succinic acid from macroalgae hydrolysate by metabolically engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2015, 185, 56-61.	9.6	51
37	Molecular and biochemical characterization of mannitol-1-phosphate dehydrogenase from the model brown alga <i>Ectocarpus</i> sp.. <i>Phytochemistry</i> , 2015, 117, 509-520.	2.9	15
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40	Synthesis of chemicals by metabolic engineering of microbes. <i>Chemical Society Reviews</i> , 2015, 44, 3760-3785.	38.1	97

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117	Polysaccharide-Degrading Enzymes From Marine Gastropods. <i>Methods in Enzymology</i> , 2018, 605, 457-497.	1.0	20
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119	An engineered Calvin-Benson-Bassham cycle for carbon dioxide fixation in <i>Methylobacterium extorquens</i> AM1. <i>Metabolic Engineering</i> , 2018, 47, 423-433.	7.0	53
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131	Platform construction of molecular breeding for utilization of brown macroalgae. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 1-7.	2.2	8
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