

Sung-Jae Yang

List of Publications by Year in descending order

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14
papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Revealing Nature's Cellulase Diversity: The Digestion Mechanism of <i>Caldicellulosiruptor bescii</i> CelA. <i>Science</i> , 2013, 342, 1513-1516.	12.6	253
2	Efficient Degradation of Lignocellulosic Plant Biomass, without Pretreatment, by the Thermophilic Anaerobe <i>Anaerocellum thermophilum</i> DSM 6725. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4762-4769.	3.1	187
3	Classification of <i>Anaerocellum thermophilum</i> strain DSM 6725 as <i>Caldicellulosiruptor bescii</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2011-2015.	1.7	104
4	Insights into plant biomass conversion from the genome of the anaerobic thermophilic bacterium <i>Caldicellulosiruptor bescii</i> DSM 6725. <i>Nucleic Acids Research</i> , 2011, 39, 3240-3254.	14.5	103
5	Genome Sequence of the Anaerobic, Thermophilic, and Cellulolytic Bacterium <i>Anaerocellum thermophilum</i> DSM 6725. <i>Journal of Bacteriology</i> , 2009, 191, 3760-3761.	2.2	78
6	Carbohydrate and lignin are simultaneously solubilized from unpretreated switchgrass by microbial action at high temperature. <i>Energy and Environmental Science</i> , 2013, 6, 2186.	30.8	75
7	Enzymatic Analysis of an Amyolytic Enzyme from the Hyperthermophilic Archaeon <i>Pyrococcus furiosus</i> Reveals Its Novel Catalytic Properties as both an α -Amylase and a Cyclodextrin-Hydrolyzing Enzyme. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5988-5995.	3.1	59
8	Enhancing thermostability of maltogenic amylase from <i>Bacillus thermoalkalophilus</i> ET2 by DNA shuffling. <i>FEBS Journal</i> , 2006, 273, 3335-3345.	4.7	36
9	Molecular cloning and biochemical characterization of the first archaeal maltogenic amylase from the hyperthermophilic archaeon <i>Thermoplasma volcanium</i> GSS1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 661-669.	2.3	36
10	Characterization of a thermostable cyclodextrin glucanotransferase from <i>Pyrococcus furiosus</i> DSM3638. <i>Extremophiles</i> , 2007, 11, 537-541.	2.3	27
11	Enzymatic preparation of maltohexaose, maltoheptaose, and maltooctaose by the preferential cyclomaltooligosaccharide (cyclodextrin) ring-opening reaction of <i>Pyrococcus furiosus</i> thermostable amylase. <i>Carbohydrate Research</i> , 2006, 341, 420-424.	2.3	24
12	Changes in the Catalytic Properties of <i>Pyrococcus furiosus</i> Thermostable Amylase by Mutagenesis of the Substrate Binding Sites. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5607-5612.	3.1	12
13	Enzymatic Synthesis of Piceid Glucosides Using Maltosyltransferase from <i>Caldicellulosiruptor bescii</i> DSM 6725. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8183-8189.	5.2	10
14	Response to Comment on "Revealing Nature's Cellulase Diversity: The Digestion Mechanism of <i>Caldicellulosiruptor bescii</i> CelA". <i>Science</i> , 2014, 344, 578-578.	12.6	1