Sung-Jae Yang

List of Publications by Year
in descending order

14	1,005	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	1128
all docs	docs citations	times ranked	citing authors

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