Publications

- **Hyeon JE**, Shin SK, Han SO. (2016) Design of Nanoscale Enzyme Complexes Based on Various Scaffolding Materials for Biomass Conversion and Immobilization. ***Biotechnology Journal***. [Epub ahead of print] **(IF 3.490)**
- Kim SJ, Shin SK, **Hyeon JE**, Han SO. (2016) Mutation of a Conserved Tryptophan Residue in the CBM3c of a GH9 Endoglucanase Inhibits Activity. ***International Journal of Biological Macromolecules.*** 92:159-166 **(IF 2.858)**
- Kim SJ, Joo JE, Jeon SD, **Hyeon JE**, Kim SW, Um YS, Han SO. (2016) Enhanced Thermostability of Mesophilic Endoglucanase Z with a High Catalytic Activity at Active Temperatures. ***International Journal of Biological Macromolecules.*** 86:269-276 **(IF 2.858)**
- Shin SK, **Hyeon JE (Co-First Author)**, Kim SW, Park CH, Han SO. (2015) Enhanced Hydrolysis of Lignocellulosic Biomass: Bi-functional Enzyme Complexes Expressed in *Pichia pastoris* Improve Bioethanol Production from *Miscanthus sinensis*. ***Biotechnology Journal***. 10:1912-1919 **(IF 3.490)**
- **Hyeon JE**, Kim SW, Park CH, Han SO. (2015) Efficient Biological Conversion of Carbon Monoxide (CO) to Carbon Dioxide (CO_2) and for Utilization in Bioplastic Production by *Ralstonia eutropha* through the Display of an Enzyme Complex on the Cell Surface. ***Chemical Communications***. 51:10202-10205 **(IF 6.834, TOP 12.75%)**
- Ramzi AB, **Hyeon JE**, Kim SW, Park CH, Han SO. (2015) 5-Aminolevulinic Acid Production in Engineered *Corynebacterium glutamicum* via C5 Biosynthesis Pathway. ***Enzyme and Microbial Technology***. 81:1-7 **(IF 2.322)**
- Ramzi AB, **Hyeon JE**, Han SO. (2015) Improved Catalytic Activities of a Dye-decolorizing Peroxidase (DyP) by Overexpression of ALA and Heme Biosynthesis Genes in *Escherichia coli*. ***Pro.Biochem.***. 50:1272-1276 **(IF 2.516)**
- Kang DH, **Hyeon JE (Co-First Author)**, You SK, Kim SW, Han SO. (2014) Efficient Enzymatic degradation Process for Hydrolysis Activity of the Carrageenan from Red Algae in Marine Biomass. ***Journal of Biotechnology***. 192:108-113 **(IF 2.871)**
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- **Hyeon JE**, Jeon SD, Han SO. (2013) Cellulosome-based, *Clostridium*-derived Multi-Functional Enzyme Complexes for Advanced Biotechnology Tool Development. ***Biotechnology Advances***. 31:936-944 **(IF 9.015 / TOP 3.68%)**
- **Hyeon JE**, Kang DH, Kim YI, You SK, Han SO. (2012) A GntR Type Transcriptional Regulator PckR Negatively Regulates the Expression of Phosphoenolpyruvate Carboxykinase in *Corynebacterium glutamicum*. ***Journal of Bacteriology***.194:2181-2188 **(IF 2.808)**
- **Hyeon JE**, Kang DH, Kim YI, Jeon SD, You SK, Kim KY, Kim SW, Han SO. (2012) Production of Functional Agarolytic Nano-complex for the Synergistic Hydrolysis of Marine Biomass and Its Potential Application in Carbohydrate Binding Module-utilizing One-step Purification. ***Process Biochemistry***. 47:877-881 **(IF 2.516)**
- **Hyeon JE**, Jeon WJ, Whang SY, Han SO. (2011) Production of Minicellulosomes for the Enhanced Hydrolysis of Cellulosic Substrates by Recombinant *Corynebacterium glutamicum*. ***Enzy. Microb. Tech.*** 48:371-377 **(IF 2.322)**
- **Hyeon JE**, Yu KO, Suh DJ, Suh YW, Lee SE, Lee J, Han SO. (2010) Production of Minicellulosomes from *Clostridium cellulovorans* for the Fermentation of Cellulosic Ethanol Using Engineered Recombinant *Saccharomyces cerevisiae*. ***FEMS Microbiology Letter***. 310:39-47 **(IF 2.121)**
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