Young Hoon Oh

List of Publications by Year
in descending order

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27	1,209	430442	525886
papers	citations	18 h-index	27 g-index

28	28	28	1029
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic engineering of Escherichia coli for the production of 5-aminovalerate and glutarate as C5 platform chemicals. Metabolic Engineering, 2013, 16, 42-47.	3.6	140
2	Synthesis of nylon 4 from gamma-aminobutyrate (GABA) produced by recombinant Escherichia coli. Bioprocess and Biosystems Engineering, 2013, 36, 885-892.	1.7	113
3	Recent advances in development of biomass pretreatment technologies used in biorefinery for the production of bio-based fuels, chemicals and polymers. Korean Journal of Chemical Engineering, 2015, 32, 1945-1959.	1.2	104
4	Metabolic engineering of Corynebacterium glutamicum for enhanced production of 5-aminovaleric acid. Microbial Cell Factories, 2016, 15, 174.	1.9	96
5	Metabolic Engineering of Corynebacterium glutamicum for the High-Level Production of Cadaverine That Can Be Used for the Synthesis of Biopolyamide 510. ACS Sustainable Chemistry and Engineering, 2018, 6, 5296-5305.	3.2	83
6	Metabolic engineering of Escherichia coli for biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) from glucose. Applied Microbiology and Biotechnology, 2014, 98, 95-104.	1.7	76
7	Recombinant Ralstonia eutropha engineered to utilize xylose and its use for the production of poly(3-hydroxybutyrate) from sunflower stalk hydrolysate solution. Microbial Cell Factories, 2016, 15, 95.	1.9	66
8	Highâ€level conversion of <scp>L</scp>â€lysine into 5â€aminovalerate that can be used for nylon 6,5 synthesis. Biotechnology Journal, 2014, 9, 1322-1328.	1.8	64
9	Metabolic engineering of Ralstonia eutropha for the biosynthesis of 2-hydroxyacid-containing polyhydroxyalkanoates. Metabolic Engineering, 2013, 20, 20-28.	3.6	63
10	Metabolic engineering of Ralstonia eutropha for the production of polyhydroxyalkanoates from sucrose. Biotechnology and Bioengineering, 2015, 112, 638-643.	1.7	62
11	Construction of Synthetic Promoter-Based Expression Cassettes for the Production of Cadaverine in Recombinant Corynebacterium glutamicum. Applied Biochemistry and Biotechnology, 2015, 176, 2065-2075.	1.4	47
12	Production of 5-aminovaleric acid in recombinant Corynebacterium glutamicum strains from a Miscanthus hydrolysate solution prepared by a newly developed Miscanthus hydrolysis process. Bioresource Technology, 2017, 245, 1692-1700.	4.8	45
13	Development of rice bran treatment process and its use for the synthesis of polyhydroxyalkanoates from rice bran hydrolysate solution. Bioresource Technology, 2015, 181, 283-290.	4.8	42
14	Propionyl-CoA dependent biosynthesis of 2-hydroxybutyrate containing polyhydroxyalkanoates in metabolically engineered Escherichia coli. Journal of Biotechnology, 2013, 165, 93-98.	1.9	38
15	Development of engineered Escherichia coli whole-cell biocatalysts for high-level conversion of <scp>l</scp>-lysine into cadaverine. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1481-1491.	1.4	35
16	Biosynthesis of poly(2â€hydroxyisovalerateâ€coâ€lactate) by metabolically engineered Escherichia coli. Biotechnology Journal, 2016, 11, 1572-1585.	1.8	25
17	Biosynthesis of poly(2-hydroxybutyrate-co-lactate) in metabolically engineered Escherichia coli. Biotechnology and Bioprocess Engineering, 2016, 21, 169-174.	1.4	25
18	High-Level Conversion of l-lysine into Cadaverine by Escherichia coli Whole Cell Biocatalyst Expressing Hafnia alvei l-lysine Decarboxylase. Polymers, 2019, 11, 1184.	2.0	21

#	Article	IF	Citations
19	Biosynthesis of 2â€Hydroxyacidâ€Containing Polyhydroxyalkanoates by Employing butyrylâ€CoA Transferases in Metabolically Engineered Escherichia coli. Biotechnology Journal, 2017, 12, 1700116.	1.8	18
20	Isolation and Characterization of a Novel Agarase-Producing Pseudoalteromonas spp. Bacterium from the Guts of Spiny Turban Shells. Journal of Microbiology and Biotechnology, 2011, 21, 818-821.	0.9	10
21	Biosynthesis of Lactate-containing Polyhydroxyalkanoates in Recombinant Escherichia coli by Employing New CoA Transferases. KSBB Journal, 2016, 31, 27-32.	0.1	8
22	Increased ethanol resistance in Ethanolic Escherichia coli by Insertion of heat-shock genes BEM1 and SOD2 from Saccharomyces cerevisiae. Biotechnology and Bioprocess Engineering, 2010, 15, 770-776.	1.4	7
23	Optimized Transformation of Newly Constructed Escherichia coli-Clostridia Shuttle Vectors into Clostridium beijerinckii. Applied Biochemistry and Biotechnology, 2015, 177, 226-236.	1.4	6
24	Construction of heterologous gene expression cassettes for the development of recombinant Clostridium beijerinckii. Bioprocess and Biosystems Engineering, 2016, 39, 555-563.	1.7	4
25	The effect of protectants and pH changes on the cellular growth and succinic acid yield of Mannheimia succiniciproducens LPK7. Journal of Microbiology and Biotechnology, 2010, 20, 1677-80.	0.9	4
26	Establishment of a biosynthesis pathway for (R)-3-hydroxyalkanoates in recombinant Escherichia coli. Korean Journal of Chemical Engineering, 2015, 32, 702-706.	1.2	3
27	Biosynthesis of Lactate-containing Polyhydroxyalkanoates in Recombinant Escherichia coli from Sucrose. KSBB Journal, 2014, 29, 443-447.	0.1	3