

Sol Choi

List of Publications by Year in descending order

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15
papers

2,416
citations

643344

15
h-index

1113639

15
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16
all docs

16
docs citations

16
times ranked

3545
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly selective production of succinic acid by metabolically engineered <i>Mannheimia succiniciproducens</i> and its efficient purification. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2168-2177.	1.7	53
2	Systematic engineering of TCA cycle for optimal production of a four-carbon platform chemical 4-hydroxybutyric acid in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2016, 38, 264-273.	3.6	25
3	Homo-succinic acid production by metabolically engineered <i>Mannheimia succiniciproducens</i> . <i>Metabolic Engineering</i> , 2016, 38, 409-417.	3.6	53
4	Metabolic engineering of <i>Escherichia coli</i> for the production of 1,3-diaminopropane, a three carbon diamine. <i>Scientific Reports</i> , 2015, 5, 13040.	1.6	67
5	Biorefineries for the production of top building block chemicals and their derivatives. <i>Metabolic Engineering</i> , 2015, 28, 223-239.	3.6	425
6	Production of 4-hydroxybutyric acid by metabolically engineered <i>Mannheimia succiniciproducens</i> and its conversion to γ -butyrolactone by acid treatment. <i>Metabolic Engineering</i> , 2013, 20, 73-83.	3.6	23
7	Metabolic engineering of <i>Escherichia coli</i> for the production of fumaric acid. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2025-2034.	1.7	119
8	Engineering of microorganisms for the production of biofuels and perspectives based on systems metabolic engineering approaches. <i>Biotechnology Advances</i> , 2012, 30, 989-1000.	6.0	143
9	Systems metabolic engineering of microorganisms for natural and non-natural chemicals. <i>Nature Chemical Biology</i> , 2012, 8, 536-546.	3.9	639
10	Bio-based production of C ₂ -C ₆ platform chemicals. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2437-2459.	1.7	329
11	Systems metabolic engineering for chemicals and materials. <i>Trends in Biotechnology</i> , 2011, 29, 370-378.	4.9	173
12	Microbial production of building block chemicals and polymers. <i>Current Opinion in Biotechnology</i> , 2011, 22, 758-767.	3.3	199
13	Development of sucrose-utilizing <i>Escherichia coli</i> K-12 strain by cloning β -fructofuranosidases and its application for l-threonine production. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 905-913.	1.7	46
14	<i>Mannheimia succiniciproducens</i> Phosphotransferase System for Sucrose Utilization. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1699-1703.	1.4	15
15	Effects of dissolved CO ₂ levels on the growth of <i>Mannheimia succiniciproducens</i> and succinic acid production. <i>Biotechnology and Bioengineering</i> , 2007, 98, 1296-1304.	1.7	104