

Oskar Zelder

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,765
citations

759233

12
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

1646
citing authors

#	ARTICLE	IF	CITATIONS
1	From zero to hero – Design-based systems metabolic engineering of <i>Corynebacterium glutamicum</i> for l-lysine production. <i>Metabolic Engineering</i> , 2011, 13, 159-168.	7.0	528
2	From zero to hero – Production of bio-based nylon from renewable resources using engineered <i>Corynebacterium glutamicum</i> . <i>Metabolic Engineering</i> , 2014, 25, 113-123.	7.0	246
3	Biotechnological production and applications of phytases. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 588-597.	3.6	226
4	Amplified Expression of Fructose 1,6-Bisphosphatase in <i>Corynebacterium glutamicum</i> Increases In Vivo Flux through the Pentose Phosphate Pathway and Lysine Production on Different Carbon Sources. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8587-8596.	3.1	209
5	Metabolic flux engineering of l-lysine production in <i>Corynebacterium glutamicum</i> – over expression and modification of G6P dehydrogenase. <i>Journal of Biotechnology</i> , 2007, 132, 99-109.	3.8	162
6	Identification and Elimination of the Competing <i>N</i> -Acetyldiaminopentane Pathway for Improved Production of Diaminopentane by <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 5175-5180.	3.1	111
7	Systems-wide analysis and engineering of metabolic pathway fluxes in bio-succinate producing <i>Basfia succiniciproducens</i> . <i>Biotechnology and Bioengineering</i> , 2013, 110, 3013-3023.	3.3	88
8	Improved riboflavin production with <i>Ashbya gossypii</i> from vegetable oil based on 13C metabolic network analysis with combined labeling analysis by GC/MS, LC/MS, 1D, and 2D NMR. <i>Metabolic Engineering</i> , 2018, 47, 357-373.	7.0	50
9	Bio-based succinate from sucrose: High-resolution 13C metabolic flux analysis and metabolic engineering of the rumen bacterium <i>Basfia succiniciproducens</i> . <i>Metabolic Engineering</i> , 2017, 44, 198-212.	7.0	46
10	Substrate Specificity of 2-Hydroxyglutaryl-CoA Dehydratase from <i>Clostridium symbiosum</i> : Toward a Bio-Based Production of Adipic Acid. <i>Biochemistry</i> , 2011, 50, 3540-3550.	2.5	40
11	Production of Glutaconic Acid in a Recombinant <i>Escherichia coli</i> Strain. <i>Applied and Environmental Microbiology</i> , 2011, 77, 320-322.	3.1	37
12	Unlocking Nature's Biosynthetic Power – Metabolic Engineering for the Fermentative Production of Chemicals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2258-2278.	13.8	16
13	Unlocking Nature's Biosynthetic Power – Metabolic Engineering for the Fermentative Production of Chemicals. <i>Angewandte Chemie</i> , 2021, 133, 2288-2308.	2.0	6
14	Glutamate mutase and 2-methyleneglutarate mutase. <i>Methods in Enzymology</i> , 2022, 668, 285-307.	1.0	0