

Stefan Jennewein

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,892
citations

516561

16
h-index

580701

25
g-index

28
all docs

28
docs citations

28
times ranked

2061
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic engineering of taxadiene biosynthesis in yeast as a first step towards Taxol (Paclitaxel) production. <i>Metabolic Engineering</i> , 2008, 10, 201-206.	3.6	350
2	Genetic engineering of taxol biosynthetic genes in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2006, 93, 212-224.	1.7	247
3	Getting to the bottom of Taxol biosynthesis by fungi. <i>Fungal Diversity</i> , 2013, 60, 161-170.	4.7	186
4	Random sequencing of an induced <i>Taxus</i> cell cDNA library for identification of clones involved in Taxol biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9149-9154.	3.3	158
5	Cytochrome P450 Taxadiene 5 β -Hydroxylase, a Mechanistically Unusual Monooxygenase Catalyzing the First Oxygenation Step of Taxol Biosynthesis. <i>Chemistry and Biology</i> , 2004, 11, 379-387.	6.2	155
6	Bioengineered 2 α -fucosyllactose and 3-fucosyllactose inhibit the adhesion of <i>Pseudomonas aeruginosa</i> and enteric pathogens to human intestinal and respiratory cell lines. <i>Nutrition Research</i> , 2013, 33, 831-838.	1.3	135
7	Metabolic engineering of <i>Clostridium cellulolyticum</i> for the production of n-butanol from crystalline cellulose. <i>Microbial Cell Factories</i> , 2016, 15, 6.	1.9	91
8	Coexpression in yeast of <i>Taxus</i> cytochrome P450 reductase with cytochrome P450 oxygenases involved in Taxol biosynthesis. <i>Biotechnology and Bioengineering</i> , 2005, 89, 588-598.	1.7	89
9	Taxoid metabolism: Taxoid 14 β -hydroxylase is a cytochrome P450-dependent monooxygenase. <i>Archives of Biochemistry and Biophysics</i> , 2003, 413, 262-270.	1.4	83
10	Cloning and Characterization of an <i>Armillaria gallica</i> cDNA Encoding Protoilludene Synthase, Which Catalyzes the First Committed Step in the Synthesis of Antimicrobial Melleolides. <i>Journal of Biological Chemistry</i> , 2011, 286, 6871-6878.	1.6	67
11	Investigation of the methylerythritol 4-phosphate pathway for microbial terpenoid production through metabolic control analysis. <i>Microbial Cell Factories</i> , 2019, 18, 192.	1.9	42
12	Large-scale Synthesis of New Pyranoid Building Blocks Based on Aldolase-catalysed Carbon-Carbon Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1751-1759.	2.1	40
13	Taxol [®] Biosynthesis and Production: From Forests to Fermenters. , 2018, , 145-185.		36
14	Development of a metabolic pathway transfer and genomic integration system for the syngas-fermenting bacterium <i>Clostridium ljungdahlii</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 112.	6.2	36
15	High-Titer <i>De Novo</i> Biosynthesis of the Predominant Human Milk Oligosaccharide 2 α -Fucosyllactose from Sucrose in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2020, 9, 2784-2796.	1.9	34
16	Continuous Hydrothermal Synthesis of In Situ Functionalized Iron Oxide Nanoparticles: A General Strategy to Produce Metal Oxide Nanoparticles With Clickable Anchors. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 229-234.	1.2	22
17	Biotechnologically produced fucosylated oligosaccharides inhibit the binding of human noroviruses to their natural receptors. <i>Journal of Biotechnology</i> , 2020, 318, 31-38.	1.9	22
18	Hexanol biosynthesis from syngas by <i>Clostridium carboxidivorans</i> P7: product toxicity, temperature dependence and in situ extraction. <i>Heliyon</i> , 2021, 7, e07732.	1.4	19

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19	Exploration of biosynthetic access to the shared precursor of the fusicoccane diterpenoid family. <i>Chemical Communications</i> , 2013, 49, 4337.	2.2	17
20	Synthesis of in situ functionalized iron oxide nanoparticles presenting alkyne groups via a continuous process using near-critical and supercritical water. <i>Journal of Supercritical Fluids</i> , 2013, 82, 83-95.	1.6	17
21	Metabolic engineering of <i>Clostridium ljungdahlii</i> for the production of hexanol and butanol from CO ₂ and H ₂ . <i>Microbial Cell Factories</i> , 2022, 21, 85.	1.9	16
22	The production of isoprene from cellulose using recombinant <i>Clostridium cellulolyticum</i> strains expressing isoprene synthase. <i>MicrobiologyOpen</i> , 2020, 9, e1008.	1.2	14
23	Isolation of a gene cluster from <i>Armillaria gallica</i> for the synthesis of armillyl orsellinate-type sesquiterpenoids. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 211-224.	1.7	8
24	Introduction of the Early Pathway to Taxol Biosynthesis in Yeast by Means of Biosynthetic Gene Cluster Construction Using SOE-PCR and Homologous Recombination. <i>Methods in Molecular Biology</i> , 2010, 643, 145-163.	0.4	5
25	Development of carbon plasma-coated multiwell plates for high-throughput mass spectrometric analysis of highly lipophilic fermentation products. <i>Analytical Biochemistry</i> , 2010, 403, 108-113.	1.1	2
26	Biocatalytic Synthesis of Tritium (3H)-Labelled Taxa-4(5),11(12)-diene, the Pathway Committing Precursor of the Taxoid Diterpenoids. <i>Methods in Molecular Biology</i> , 2010, 643, 165-184.	0.4	1