Stefan Jennewein

List of Publications by Year
in descending order

26	1,892	516561 16	580701 25
papers	citations	h-index	g-index

28	28	28	2061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic engineering of Clostridium ljungdahlii for the production of hexanol and butanol from CO2 and H2. Microbial Cell Factories, 2022, 21, 85.	1.9	16
2	Isolation of a gene cluster from Armillaria gallica for the synthesis of armillyl orsellinateâ€“type sesquiterpenoids. Applied Microbiology and Biotechnology, 2021, 105, 211-224.	1.7	8
3	Hexanol biosynthesis from syngas by Clostridium carboxidivorans P7 â€“ product toxicity, temperature dependence and in situ extraction. Heliyon, 2021, 7, e07732.	1.4	19
4	High-Titer De Novo Biosynthesis of the Predominant Human Milk Oligosaccharide 2â€²-Fucosyllactose from Sucrose in Escherichia coli. ACS Synthetic Biology, 2020, 9, 2784-2796.	1.9	34
5	The production of isoprene from cellulose using recombinant Clostridium cellulolyticum strains expressing isoprene synthase. MicrobiologyOpen, 2020, 9, e1008.	1.2	14
6	Biotechnologically produced fucosylated oligosaccharides inhibit the binding of human noroviruses to their natural receptors. Journal of Biotechnology, 2020, 318, 31-38.	1.9	22
7	Investigation of the methylerythritol 4-phosphate pathway for microbial terpenoid production through metabolic control analysis. Microbial Cell Factories, 2019, 18, 192.	1.9	42
8	Development of a metabolic pathway transfer and genomic integration system for the syngas-fermenting bacterium Clostridium ljungdahlii. Biotechnology for Biofuels, 2019, 12, 112.	6.2	36
9	TaxolÂ® Biosynthesis and Production: From Forests to Fermenters. , 2018, , 145-185.		36
10	Metabolic engineering of Clostridium cellulolyticum for the production of n-butanol from crystalline cellulose. Microbial Cell Factories, 2016, 15, 6.	1.9	91
11	Getting to the bottom of Taxol biosynthesis by fungi. Fungal Diversity, 2013, 60, 161-170.	4.7	186
12	Exploration of biosynthetic access to the shared precursor of the fusicoccane diterpenoid family. Chemical Communications, 2013, 49, 4337.	2.2	17
13	Synthesis of in situ functionalized iron oxide nanoparticles presenting alkyne groups via a continuous process using near-critical and supercritical water. Journal of Supercritical Fluids, 2013, 82, 83-95.	1.6	17
14	Continuous Hydrothermal Synthesis of In Situ Functionalized Iron Oxide Nanoparticles: AÂGeneral Strategy to Produce Metal Oxide NanoparticlesÂWith Clickable Anchors. Particle and Particle Systems Characterization, 2013, 30, 229-234.	1.2	22
15	Bioengineered 2â€²-fucosyllactose and 3-fucosyllactose inhibit the adhesion of Pseudomonas aeruginosa and enteric pathogens to human intestinal and respiratory cell lines. Nutrition Research, 2013, 33, 831-838.	1.3	135
16	Cloning and Characterization of an Armillaria gallica cDNA Encoding Protoilludene Synthase, Which Catalyzes the First Committed Step in the Synthesis of Antimicrobial Melleolides. Journal of Biological Chemistry, 2011, 286, 6871-6878.	1.6	67
17	Development of carbon plasma-coated multiwell plates for high-throughput mass spectrometric analysis of highly lipophilic fermentation products. Analytical Biochemistry, 2010, 403, 108-113.	1.1	2
18	Introduction of the Early Pathway to Taxol Biosynthesis in Yeast by Means of Biosynthetic Gene Cluster Construction Using SOE-PCR and Homologous Recombination. Methods in Molecular Biology, 2010, 643, 145-163.	0.4	5

#	Article	IF	Citations
19	Biocatalytic Synthesis of Tritium (3H)-Labelled Taxa-4(5),11(12)-diene, the Pathway Committing Precursor of the Taxoid Diterpenoids. Methods in Molecular Biology, 2010, 643, 165-184.	0.4	1
20	Largeâ€Scale Synthesis of New Pyranoid Building Blocks Based on Aldolaseâ€Catalysed Carbonâ€Carbon Bond Formation. Advanced Synthesis and Catalysis, 2008, 350, 1751-1759.	2.1	40
21	Metabolic engineering of taxadiene biosynthesis in yeast as a first step towards Taxol (Paclitaxel) production. Metabolic Engineering, 2008, 10, 201-206.	3.6	350
22	Genetic engineering of taxol biosynthetic genes inSaccharomyces cerevisiae. Biotechnology and Bioengineering, 2006, 93, 212-224.	1.7	247
23	Coexpression in yeast ofTaxus cytochrome P450 reductase with cytochrome P450 oxygenases involved in Taxol biosynthesis. Biotechnology and Bioengineering, 2005, 89, 588-598.	1.7	89
24	Random sequencing of an inducedTaxuscell cDNA library for identification of clones involved in Taxol biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9149-9154.	3.3	158
25	Cytochrome P450 Taxadiene 5Î±-Hydroxylase, a Mechanistically Unusual Monooxygenase Catalyzing the First Oxygenation Step of Taxol Biosynthesis. Chemistry and Biology, 2004, 11, 379-387.	6.2	155
26	Taxoid metabolism: Taxoid 14Î²-hydroxylase is a cytochrome P450-dependent monooxygenase. Archives of Biochemistry and Biophysics, 2003, 413, 262-270.	1.4	83