Stephan Thies

List of Publications by Year
in descending order

31 papers	1,339 citations	471371 17 h-index	580701 25 g-index
31 all docs	31 docs citations	31 times ranked	1578 citing authors

#	Article	IF	Citations
1	Pseudomonas putidaâ€"a versatile host for the production of natural products. Applied Microbiology and Biotechnology, 2015, 99, 6197-6214.	1.7	237
2	A Novel Polyester Hydrolase From the Marine Bacterium Pseudomonas aestusnigri â€" Structural and Functional Insights. Frontiers in Microbiology, 2020, 11, 114.	1.5	172
3	Determinants and Prediction of Esterase Substrate Promiscuity Patterns. ACS Chemical Biology, 2018, 13, 225-234.	1.6	106
4	Marine Biosurfactants: Biosynthesis, Structural Diversity and Biotechnological Applications. Marine Drugs, 2019, 17, 408.	2.2	97
5	Efficient recombinant production of prodigiosin in Pseudomonas putida. Frontiers in Microbiology, 2015, 6, 972.	1.5	76
6	Metagenomic discovery of novel enzymes and biosurfactants in a slaughterhouse biofilm microbial community. Scientific Reports, 2016, 6, 27035.	1.6	74
7	Agar plateâ€based screening methods for the identification of polyester hydrolysis by Pseudomonas species. Microbial Biotechnology, 2020, 13, 274-284.	2.0	62
8	Integration of Genetic and Process Engineering for Optimized Rhamnolipid Production Using Pseudomonas putida. Frontiers in Bioengineering and Biotechnology, 2020, 8, 976.	2.0	56
9	Disruption of microbial community composition and identification of plant growth promoting microorganisms after exposure of soil to rapeseed-derived glucosinolates. PLoS ONE, 2018, 13, e0200160.	1.1	54
10	Heterologous production of the lipopeptide biosurfactant serrawettin W1 in Escherichia coli. Journal of Biotechnology, 2014, 181, 27-30.	1.9	45
11	Novel broad host range shuttle vectors for expression in Escherichia coli, Bacillus subtilis and Pseudomonas putida. Journal of Biotechnology, 2012, 161, 71-79.	1.9	44
12	Towards robust Pseudomonas cell factories to harbour novel biosynthetic pathways. Essays in Biochemistry, 2021, 65, 319-336.	2.1	44
13	Natural biocide cocktails: Combinatorial antibiotic effects of prodigiosin and biosurfactants. PLoS ONE, 2018, 13, e0200940.	1.1	41
14	Rapid generation of recombinant Pseudomonas putida secondary metabolite producers using yTREX. Synthetic and Systems Biotechnology, 2017, 2, 310-319.	1.8	36
15	The biotechnological potential of marine bacteria in the novel lineage of Pseudomonas pertucinogena. Microbial Biotechnology, 2020, 13, 19-31.	2.0	35
16	Engineering of natural product biosynthesis in Pseudomonas putida. Current Opinion in Biotechnology, 2020, 65, 213-224.	3.3	28
17	Pseudomonas putida rDNA is a favored site for the expression of biosynthetic genes. Scientific Reports, 2019, 9, 7028.	1.6	20
18	A Straightforward Assay for Screening and Quantification of Biosurfactants in Microbial Culture Supernatants. Frontiers in Bioengineering and Biotechnology, 2020, 8, 958.	2.0	20

#	Article	IF	Citations
19	Organic-Solvent-Tolerant Carboxylic Ester Hydrolases for Organic Synthesis. Applied and Environmental Microbiology, 2020, 86, .	1.4	20
20	Targeting 16S rDNA for Stable Recombinant Gene Expression in Pseudomonas. ACS Synthetic Biology, 2019, 8, 1901-1912.	1.9	19
21	Crystal structures of a novel family IV esterase in free and substrateâ€bound form. FEBS Journal, 2021, 288, 3570-3584.	2.2	15
22	Extracellular degradation of a polyurethane oligomer involving outer membrane vesicles and further insights on the degradation of 2,4-diaminotoluene in Pseudomonas capeferrum TDA1. Scientific Reports, 2022, 12, 2666.	1.6	14
23	Biosynthesis of cycloartenol by expression of plant and bacterial oxidosqualene cyclases in engineered Rhodobacter capsulatus. Journal of Biotechnology, 2019, 306, 100014.	1.9	7
24	Rhamnolipids: Production, Performance, and Application. , 2017, , 587-622.		4
25	Screening Strategies for Biosurfactant Discovery. Advances in Biochemical Engineering/Biotechnology, 2021, , 17-52.	0.6	4
26	First Insights into the Genome Sequence of Pseudomonas oleovorans DSM 1045. Genome Announcements, 2017, 5, .	0.8	3
27	Hydrocarbon-Degrading Microbes as Sources of New Biocatalysts. , 2019, , 353-373.		3
28	Rhamnolipids: Production, Performance, and Application. , 2017, , 1-37.		2
29	Hydrocarbon-Degrading Microbes as Sources of New Biocatalysts. , 2018, , 1-21.		1
30	Pseudomonads as versatile expression hosts. Chemie-Ingenieur-Technik, 2010, 82, 1519-1519.	0.4	0
31	Konstruktion von Pseudomonas putida -StÃmmen zur heterologen Produktion von Rhamnolipiden. Chemie-Ingenieur-Technik, 2018, 90, 1282-1282.	0.4	0