Silke C Wenzel

List of Publications by Year
in descending order

26 papers	3,606 citations	304743 22 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	4154 citing authors

#	Article	IF	Citations
1	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. Natural Product Reports, 2013, 30, 108-160.	10.3	1,692
2	Targeting DnaN for tuberculosis therapy using novel griselimycins. Science, 2015, 348, 1106-1112.	12.6	262
3	Heterologous Expression of a Myxobacterial Natural Products Assembly Line in Pseudomonads via Red/ET Recombineering. Chemistry and Biology, 2005, 12, 349-356.	6.0	176
4	Recent developments towards the heterologous expression of complex bacterial natural product biosynthetic pathways. Current Opinion in Biotechnology, 2005, 16, 594-606.	6.6	173
5	Efficient transfer of two large secondary metabolite pathway gene clusters into heterologous hosts by transposition. Nucleic Acids Research, 2008, 36, e113-e113.	14.5	128
6	Myxobacteriaâ€"â€˜microbial factoriesâ€™ for the production of bioactive secondary metabolites. Molecular BioSystems, 2009, 5, 567.	2.9	127
7	Formation of novel secondary metabolites by bacterial multimodular assembly lines: deviations from textbook biosynthetic logic. Current Opinion in Chemical Biology, 2005, 9, 447-458.	6.1	123
8	Structure and Biosynthesis of Myxochromides S1-3 in Stigmatella aurantiaca: Evidence for an Iterative Bacterial Type I Polyketide Synthase and for Module Skipping in Nonribosomal Peptide Biosynthesis. ChemBioChem, 2005, 6, 375-385.	2.6	110
9	The impact of genomics on the exploitation of the myxobacterial secondary metabolome. Natural Product Reports, 2009, 26, 1385.	10.3	100
10	Nonribosomal Peptide Biosynthesis: Point Mutations and Module Skipping Lead to Chemical Diversity. Angewandte Chemie - International Edition, 2006, 45, 2296-2301.	13.8	96
11	Polyunsaturated fatty acid production by Yarrowia lipolytica employing designed myxobacterial PUFA synthases. Nature Communications, 2019, 10, 4055.	12.8	81
12	On the Biosynthetic Origin of Methoxymalonyl-Acyl Carrier Protein, the Substrate for Incorporation of â€œGlycolateâ€•Units into Ansamitocin and Soraphen A. Journal of the American Chemical Society, 2006, 128, 14325-14336.	13.7	72
13	Biosynthesis of methyl-proline containing griselimycins, natural products with anti-tuberculosis activity. Chemical Science, 2017, 8, 7521-7527.	7.4	72
14	Polyunsaturated fatty acid biosynthesis in myxobacteria: different PUFA synthases and their product diversity. Chemical Science, 2014, 5, 1733.	7.4	56
15	Production of the Bengamide Class of Marine Natural Products in Myxobacteria: Biosynthesis and Structureâ€“Activity Relationships. Angewandte Chemie - International Edition, 2015, 54, 15560-15564.	13.8	44
16	Modular Construction of a Functional Artificial Epothilone Polyketide Pathway. ACS Synthetic Biology, 2014, 3, 759-772.	3.8	43
17	Synthetic biology approaches and combinatorial biosynthesis towards heterologous lipopeptide production. Chemical Science, 2018, 9, 7510-7519.	7.4	40
18	Heterologous production of myxobacterial Î±-pyrone antibiotics in Myxococcus xanthus. Metabolic Engineering, 2017, 44, 160-170.	7.0	36

#	Article	IF	Citations
19	Production optimization and biosynthesis revision of corallopyronin A, a potent anti-filarial antibiotic. Metabolic Engineering, 2019, 55, 201-211.	7.0	35
20	Metabolic engineering of Pseudomonas putida for production of docosahexaenoic acid based on a myxobacterial PUFA synthase. Metabolic Engineering, 2016, 33, 98-108.	7.0	29
21	Biosynthesis and Heterologous Production of Argyrins. ACS Synthetic Biology, 2019, 8, 1121-1133.	3.8	29
22	The biosynthetic potential of myxobacteria and their impact in drug discovery. Current Opinion in Drug Discovery & Development, 2009, 12, 220-30.	1.9	28
23	Synthetic biology approaches to establish a heterologous production system for coronatines. Metabolic Engineering, 2017, 44, 213-222.	7.0	18
24	Genomics-Guided Exploitation of Lipopeptide Diversity in Myxobacteria. ACS Chemical Biology, 2017, 12, 779-786.	3.4	16
25	A highly unusual polyketide synthase directs dawenol polyene biosynthesis in Stigmatella aurantiaca. Journal of Biotechnology, 2014, 191, 54-63.	3.8	14
26	Chemical synthesis of tripeptide thioesters for the biotechnological incorporation into the myxobacterial secondary metabolite argyrin via mutasynthesis. Beilstein Journal of Organic Chemistry, 2019, 15, 2922-2929.	2.2	3