

# Silke C Wenzel

## List of Publications by Year in descending order

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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	Production optimization and biosynthesis revision of coralopyronin A, a potent anti-filarial antibiotic. <i>Metabolic Engineering</i> , 2019, 55, 201-211.	7.0	35
2	Polyunsaturated fatty acid production by <i>Yarrowia lipolytica</i> employing designed myxobacterial PUFA synthases. <i>Nature Communications</i> , 2019, 10, 4055.	12.8	81
3	Biosynthesis and Heterologous Production of Argyrins. <i>ACS Synthetic Biology</i> , 2019, 8, 1121-1133.	3.8	29
4	Chemical synthesis of tripeptide thioesters for the biotechnological incorporation into the myxobacterial secondary metabolite argyirin via mutasynthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2922-2929.	2.2	3
5	Synthetic biology approaches and combinatorial biosynthesis towards heterologous lipopeptide production. <i>Chemical Science</i> , 2018, 9, 7510-7519.	7.4	40
6	Genomics-Guided Exploitation of Lipopeptide Diversity in Myxobacteria. <i>ACS Chemical Biology</i> , 2017, 12, 779-786.	3.4	16
7	Synthetic biology approaches to establish a heterologous production system for coronatines. <i>Metabolic Engineering</i> , 2017, 44, 213-222.	7.0	18
8	Heterologous production of myxobacterial $\hat{\pm}$ -pyrone antibiotics in <i>Myxococcus xanthus</i> . <i>Metabolic Engineering</i> , 2017, 44, 160-170.	7.0	36
9	Biosynthesis of methyl-proline containing griselimycins, natural products with anti-tuberculosis activity. <i>Chemical Science</i> , 2017, 8, 7521-7527.	7.4	72
10	Metabolic engineering of <i>Pseudomonas putida</i> for production of docosahexaenoic acid based on a myxobacterial PUFA synthase. <i>Metabolic Engineering</i> , 2016, 33, 98-108.	7.0	29
11	Production of the Bengamide Class of Marine Natural Products in Myxobacteria: Biosynthesis and Structure-Activity Relationships. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15560-15564.	13.8	44
12	Targeting DnaN for tuberculosis therapy using novel griselimycins. <i>Science</i> , 2015, 348, 1106-1112.	12.6	262
13	A highly unusual polyketide synthase directs dawenol polyene biosynthesis in <i>Stigmatella aurantiaca</i> . <i>Journal of Biotechnology</i> , 2014, 191, 54-63.	3.8	14
14	Polyunsaturated fatty acid biosynthesis in myxobacteria: different PUFA synthases and their product diversity. <i>Chemical Science</i> , 2014, 5, 1733.	7.4	56
15	Modular Construction of a Functional Artificial Epothilone Polyketide Pathway. <i>ACS Synthetic Biology</i> , 2014, 3, 759-772.	3.8	43
16	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013, 30, 108-160.	10.3	1,692
17	The impact of genomics on the exploitation of the myxobacterial secondary metabolome. <i>Natural Product Reports</i> , 2009, 26, 1385.	10.3	100
18	Myxobacteria – "microbial factories"™ for the production of bioactive secondary metabolites. <i>Molecular BioSystems</i> , 2009, 5, 567.	2.9	127

#	ARTICLE	IF	CITATIONS
19	The biosynthetic potential of myxobacteria and their impact in drug discovery. <i>Current Opinion in Drug Discovery &amp; Development</i> , 2009, 12, 220-30.	1.9	28
20	Efficient transfer of two large secondary metabolite pathway gene clusters into heterologous hosts by transposition. <i>Nucleic Acids Research</i> , 2008, 36, e113-e113.	14.5	128
21	On the Biosynthetic Origin of Methoxymalonyl-Acyl Carrier Protein, the Substrate for Incorporation of "Glycolate" Units into Ansamitocin and Soraphen A. <i>Journal of the American Chemical Society</i> , 2006, 128, 14325-14336.	13.7	72
22	Nonribosomal Peptide Biosynthesis: Point Mutations and Module Skipping Lead to Chemical Diversity. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2296-2301.	13.8	96
23	Formation of novel secondary metabolites by bacterial multimodular assembly lines: deviations from textbook biosynthetic logic. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 447-458.	6.1	123
24	Heterologous Expression of a Myxobacterial Natural Products Assembly Line in Pseudomonads via Red/ET Recombineering. <i>Chemistry and Biology</i> , 2005, 12, 349-356.	6.0	176
25	Recent developments towards the heterologous expression of complex bacterial natural product biosynthetic pathways. <i>Current Opinion in Biotechnology</i> , 2005, 16, 594-606.	6.6	173
26	Structure and Biosynthesis of Myxochromides S1-3 in <i>Stigmatella aurantiaca</i> : Evidence for an Iterative Bacterial Type I Polyketide Synthase and for Module Skipping in Nonribosomal Peptide Biosynthesis. <i>ChemBioChem</i> , 2005, 6, 375-385.	2.6	110