

# Tobias A M Gulder

## List of Publications by Citations

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73  
papers

2,648  
citations

25  
h-index

51  
g-index

84  
ext. papers

3,226  
ext. citations

8.5  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
73	Atroposelective total synthesis of axially chiral biaryl natural products. <i>Chemical Reviews</i> , <b>2011</b> , 111, 563-639	68.1	847
72	Salinosporamide natural products: Potent 20 S proteasome inhibitors as promising cancer therapeutics. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9346-67	16.4	173
71	Chasing the treasures of the sea - bacterial marine natural products. <i>Current Opinion in Microbiology</i> , <b>2009</b> , 12, 252-60	7.9	109
70	Metagenomic natural product discovery in lichen provides evidence for a family of biosynthetic pathways in diverse symbioses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E3129-37	11.5	102
69	The biocatalytic repertoire of natural biaryl formation. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8286-93	16.4	93
68	Axially chiral beta,betaSbisporphyrins: synthesis and configurational stability tuned by the central metals. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 17812-5	16.4	85
67	Structure and biosynthesis of the marine streptomycete ansamycin ansalactam A and its distinctive branched chain polyketide extender unit. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1971-7	16.4	81
66	Heterologous reconstitution of ikarugamycin biosynthesis in <i>E. coli</i> . <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3011-4	16.4	77
65	Flavoenzyme-catalyzed atropo-selective N,C-bipyrrole homocoupling in marinopyrrole biosynthesis. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12434-7	16.4	74
64	Function-oriented biosynthesis of beta-lactone proteasome inhibitors in <i>Salinispora tropica</i> . <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 6163-7	8.3	59
63	Axially chiral directly beta,beta-linked bisporphyrins: synthesis and stereostructure. <i>Organic Letters</i> , <b>2006</b> , 8, 4743-6	6.2	58
62	Shared biosynthesis of the saliniketals and rifamycins in <i>Salinispora arenicola</i> is controlled by the sare1259-encoded cytochrome P450. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12757-65	16.4	53
61	Large-scale biotechnological production of the antileukemic marine natural product sorbicillactone A. <i>Marine Drugs</i> , <b>2007</b> , 5, 23-30	6	49
60	Stereoselective Total Synthesis of Bisorbicillinoid Natural Products by Enzymatic Oxidative Dearomatization/Dimerization. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12888-12891	16.4	40
59	Direct Pathway Cloning Combined with Sequence- and Ligation-Independent Cloning for Fast Biosynthetic Gene Cluster Refactoring and Heterologous Expression. <i>ACS Synthetic Biology</i> , <b>2018</b> , 7, 1702-1708 <sup>40</sup>		
58	Gephyromycin, the first bridged angucyclinone, from <i>Streptomyces griseus</i> strain NTK 14. <i>Phytochemistry</i> , <b>2005</b> , 66, 1366-73	4	37
57	Isolation, structure elucidation and total synthesis of lajollamide A from the marine fungus <i>Asteromyces cruciatus</i> . <i>Marine Drugs</i> , <b>2012</b> , 10, 2912-35	6	36

56	Synthesis, optical resolution, and configurational assignment of novel axially chiral quaternaryls. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 7765-8	4.2	35
55	Biocatalytic Total Synthesis of Ikarugamycin. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4351-4354	3.5	34
54	Selective overproduction of the proteasome inhibitor salinosporamide A via precursor pathway regulation. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1527-36	3.2	
53	Differential accumulation of hyperforin and secohyperforin in Hypericum perforatum tissue cultures. <i>Phytochemistry</i> , <b>2007</b> , 68, 2670-7	4	30
52	Convergence in the biosynthesis of acetogenic natural products from plants, fungi, and bacteria. <i>Phytochemistry</i> , <b>2009</b> , 70, 1776-86	4	29
51	A collection of bacterial isolates from the pig intestine reveals functional and taxonomic diversity. <i>Nature Communications</i> , <b>2020</b> , 11, 6389	17.4	26
50	Bioactive Natural Products of Marine Sponges from the Genus <i>Hyrtios</i> . <i>Molecules</i> , <b>2017</b> , 22,	4.8	25
49	Biosynthesis of the isoprenoid moieties of furanonaphthoquinone I and endophenazine A in <i>Streptomyces cinnamonensis</i> DSM 1042. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 4198-204	4.2	25
48	Total (bio)synthesis: strategies of nature and of chemists. <i>Topics in Current Chemistry</i> , <b>2010</b> , 297, 149-203		23
47	New Pim-1 Kinase Inhibitor From the Co-culture of Two Sponge-Associated Actinomycetes. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 538	5	23
46	Asperentin B, a New Inhibitor of the Protein Tyrosine Phosphatase 1B. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	22
45	Chemo-enzymatic Total Synthesis of Oxosorbicillinol, Sorrentanone, Rezishanones B and C, Sorbicatchol A, Bisvertinolone, and (+)-Epoxysorbicillinol. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14650-14653	16.4	22
44	Das biokatalytische Repertoire natürlicher Biarylbildung. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8426-8433	3.6	21
43	Promiscuous hydroxylases for the functionalization of polycyclic tetramate macrolactams--conversion of ikarugamycin to butremycin. <i>Chemical Communications</i> , <b>2015</b> , 51, 5334-6	5.8	20
42	Natural Product Potential of the Genus. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	20
41	New tetromycin derivatives with anti-trypanosomal and protease inhibitory activities. <i>Marine Drugs</i> , <b>2011</b> , 9, 1682-97	6	20
40	Heterologe Rekonstitution der Ikarugamycin-Biosynthese in <i>E. coli</i> . <i>Angewandte Chemie</i> , <b>2014</b> , 126, 3055-3058	19	
39	New Cytotoxic Cyclic Peptide from the Marine Sponge-Associated sp. UR67. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	17

38	New Antiproliferative Cembrane Diterpenes from the Red Sea Species. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	15
37	Direct pathway cloning of the sodorifen biosynthetic gene cluster and recombinant generation of its product in E. coli. <i>Microbial Cell Factories</i> , <b>2019</b> , 18, 32	6.4	14
36	Discovery of the Streptoketides by Direct Cloning and Rapid Heterologous Expression of a Cryptic PKS II Gene Cluster from sp. TIG314. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 664-673	4.2	14
35	Anti-Inflammatory Potential of Green Synthesized Silver Nanoparticles of the Soft Coral Sp. Supported by Metabolomics Analysis and Docking Studies. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 5345-5360	7.3	12
34	Marine Fungi as Producers of Benzocoumarins, a New Class of Inhibitors of Glycogen-Synthase-Kinase 3. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	12
33	Structure of a putative fluorinated natural product from Streptomyces sp. TC1. <i>Journal of Natural Products</i> , <b>2014</b> , 77, 2331-4	4.9	10
32	Stereoselective Total Synthesis of Bisorbicillinoid Natural Products by Enzymatic Oxidative Dearomatization/Dimerization. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13068-13071	3.6	10
31	Biokatalytische Totalsynthese von Ikarugamycin. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4416-4420	3.6	9
30	Bypassing Biocatalytic Substrate Limitations in Oxidative Dearomatization Reactions by Transient Substrate Mimicking. <i>Organic Letters</i> , <b>2019</b> , 21, 4520-4524	6.2	8
29	A Pericyclic Reaction Cascade in Leporin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2754-2756	16.4	8
28	Alterations to the structure of Leishmania major induced by N-arylisquinolines correlate with compound accumulation and disposition. <i>Journal of Medical Microbiology</i> , <b>2010</b> , 59, 69-75	3.2	8
27	Fungal Dioxygenase AsqJ Is Promiscuous and Bimodal: Substrate-Directed Formation of Quinolones versus Quinazolinones. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8297-8302	16.4	8
26	The myxocoumarins A and B from <i>Stigmatella aurantiaca</i> strain MYX-030. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 2579-85	2.5	7
25	Genoketides A1 and A2, new octaketides and biosynthetic intermediates of chrysophanol produced by Streptomyces sp. AK 671. <i>Journal of Antibiotics</i> , <b>2008</b> , 61, 464-73	3.7	7
24	Identification, cloning, expression and functional interrogation of the biosynthetic pathway of the polychlorinated triphenyls ambigol A from Fischerella ambigua 108b. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 3193-3201	5.2	7
23	Complete Genome Sequence of Subsp. , A Rich Source of Novel Natural Product (Bio-)Chemistry. <i>Journal of Genomics</i> , <b>2017</b> , 5, 75-76	0.9	6
22	Chemo-enzymatische Totalsynthese von Oxosorbicillinol, Sorrentanon, Rezishanon B und C, Sorbicatechol A, Bisvertinolon und (+)-Epoxysorbicillinol. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14861-14864	3.6	5
21	Synthesis and initial biological evaluation of myxocoumarin B. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 1966-1969	3.9	4

20	Chemoenzymatic Total Synthesis of Sorbicatechol Structural Analogues and Evaluation of Their Antiviral Potential. <i>ChemBioChem</i> , <b>2020</b> , 21, 492-495	3.8	4
19	Total Synthesis of the Ambigols: A Cyanobacterial Class of Polyhalogenated Natural Products. <i>Organic Letters</i> , <b>2021</b> , 23, 102-106	6.2	4
18	Expanding the Structural Space of Ribosomal Peptides: Autocatalytic N-Methylation in Omphalotin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13570-13572	16.4	3
17	Extending Polyketide Structural Diversity by Using Engineered Carboxylase/Reductase Enzymes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 858-60	16.4	3
16	Antifungal potential of bacterial rhizosphere isolates associated with three ethno-medicinal plants (poppy, chamomile, and nettle). <i>International Microbiology</i> , <b>2019</b> , 22, 343-353	3	2
15	Biosynthetic strategies for tetramic acid formation. <i>Natural Product Reports</i> , <b>2021</b> , 38, 1555-1566	15.1	2
14	Structures and biological activities of cycloheptamycins A and B. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 6595-6600	3.9	1
13	Streptomyces sp. BV410 isolate from chamomile rhizosphere soil efficiently produces staurosporine with antifungal and antiangiogenic properties. <i>MicrobiologyOpen</i> , <b>2020</b> , 9, e986	3.4	1
12	Eine pericyclische Reaktionskaskade in der Leporin-Biosynthese. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2802-2804	13.1	1
11	Fungal Dioxygenase AsqJ Is Promiscuous and Bimodal: Substrate-Directed Formation of Quinolones versus Quinazolinones. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8378-8383	3.6	1
10	Evaluation of the Substrate Promiscuity of SorbC for the Chemo-Enzymatic Total Synthesis of Structurally Diverse Sorbicillinoids. <i>ACS Catalysis</i> , <b>2022</b> , 12, 1898-1904	13.1	0
9	characterization of 3-chloro-4-hydroxybenzoic acid building block formation in ambigol biosynthesis. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 2302-2311	3.9	0
8	Carrier Protein-Free Enzymatic Biaryl Coupling in Arylomycin A2 Assembly and Structure of the Cytochrome P450 AryC.. <i>Chemistry - A European Journal</i> , <b>2021</b> , e202104451	4.8	0
7	Biosynthesis of cyanobacterin, a paradigm for furanolide core structure assembly. <i>Nature Chemical Biology</i> , <b>2022</b> , 18, 652-658	11.7	0
6	Erweiterung der Strukturvielfalt von Polyketiden durch Einsatz modifizierter Carboxylase/Reduktase-Enzyme. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 868-870	3.6	
5	Chemistry in stereo: the 49th Bürgenstock Conference. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9418-20	16.4	
4	Erweiterung des Strukturraums ribosomaler Peptide: autokatalytische N-Methylierung in der Omphalotin-Biosynthese. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13756-13758	3.6	
3	Chemie in Stereo: die 49. Bürgenstock-Konferenz. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9572-9574	3.6	

2 Polyketides **2016**, 19-129

1 Trendbericht Organische Chemie 2022. *Nachrichten Aus Der Chemie*, **2022**, 70, 42-69

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