

Tobias A M Gulder

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Evaluation of the Substrate Promiscuity of SorbC for the Chemo-Enzymatic Total Synthesis of Structurally Diverse Sorbicillinoids. <i>ACS Catalysis</i> , 2022 , 12, 1898-1904	13.1	0
72	Trendbericht Organische Chemie 2022. <i>Nachrichten Aus Der Chemie</i> , 2022 , 70, 42-69	0.1	
71	Biosynthesis of cyanobacterin, a paradigm for furanolide core structure assembly. <i>Nature Chemical Biology</i> , 2022 , 18, 652-658	11.7	0
70	Total Synthesis of the Ambigols: A Cyanobacterial Class of Polyhalogenated Natural Products. <i>Organic Letters</i> , 2021 , 23, 102-106	6.2	4
69	Fungal Dioxygenase AsqJ Is Promiscuous and Bimodal: Substrate-Directed Formation of Quinolones versus Quinazolinones. <i>Angewandte Chemie</i> , 2021 , 133, 8378-8383	3.6	1
68	Fungal Dioxygenase AsqJ Is Promiscuous and Bimodal: Substrate-Directed Formation of Quinolones versus Quinazolinones. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8297-8302	16.4	8
67	Biosynthetic strategies for tetramic acid formation. <i>Natural Product Reports</i> , 2021 , 38, 1555-1566	15.1	2
66	characterization of 3-chloro-4-hydroxybenzoic acid building block formation in ambigol biosynthesis. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2302-2311	3.9	0
65	Carrier Protein-Free Enzymatic Biaryl Coupling in Arylomycin A2 Assembly and Structure of the Cytochrome P450 AryC.. <i>Chemistry - A European Journal</i> , 2021 , e202104451	4.8	0
64	A collection of bacterial isolates from the pig intestine reveals functional and taxonomic diversity. <i>Nature Communications</i> , 2020 , 11, 6389	17.4	26
63	Streptomyces sp. BV410 isolate from chamomile rhizosphere soil efficiently produces staurosporine with antifungal and antiangiogenic properties. <i>MicrobiologyOpen</i> , 2020 , 9, e986	3.4	1
62	Discovery of the Streptoketides by Direct Cloning and Rapid Heterologous Expression of a Cryptic PKS II Gene Cluster from sp. T6314. <i>Journal of Organic Chemistry</i> , 2020 , 85, 664-673	4.2	14
61	Identification, cloning, expression and functional interrogation of the biosynthetic pathway of the polychlorinated triphenyls ambigol AII from Fischerella ambigua 108b. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 3193-3201	5.2	7
60	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> , 2020 , 15, 5345-5360	7.3	12
59	Chemoenzymatic Total Synthesis of Sorbatechol Structural Analogues and Evaluation of Their Antiviral Potential. <i>ChemBioChem</i> , 2020 , 21, 492-495	3.8	4
58	Synthesis and initial biological evaluation of myxocoumarin B. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 1966-1969	3.9	4
57	Structures and biological activities of cycloheptamycins A and B. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 6595-6600	3.9	1

56	Bypassing Biocatalytic Substrate Limitations in Oxidative Dearomatization Reactions by Transient Substrate Mimicking. <i>Organic Letters</i> , 2019 , 21, 4520-4524	6.2	8
55	Direct pathway cloning of the sodorifen biosynthetic gene cluster and recombinant generation of its product in E. coli. <i>Microbial Cell Factories</i> , 2019 , 18, 32	6.4	14
54	New Antiproliferative Cembrane Diterpenes from the Red Sea Species. <i>Marine Drugs</i> , 2019 , 17,	6	15
53	Antifungal potential of bacterial rhizosphere isolates associated with three ethno-medicinal plants (poppy, chamomile, and nettle). <i>International Microbiology</i> , 2019 , 22, 343-353	3	2
52	A Pericyclic Reaction Cascade in Leporin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2754-2756	16.4	8
51	Eine pericyclische Reaktionskaskade in der Leporin-Biosynthese. <i>Angewandte Chemie</i> , 2018 , 130, 2802-2804	1	
50	Natural Product Potential of the Genus. <i>Marine Drugs</i> , 2018 , 16,	6	20
49	New Cytotoxic Cyclic Peptide from the Marine Sponge-Associated sp. UR67. <i>Marine Drugs</i> , 2018 , 16,	6	17
48	New Pim-1 Kinase Inhibitor From the Co-culture of Two Sponge-Associated Actinomycetes. <i>Frontiers in Chemistry</i> , 2018 , 6, 538	5	23
47	Chemo-enzymatische Totalsynthese von Oxosorbicillinol, Sorrentanon, Rezishanon B und C, Sorbicatechol A, Bisvertinolon und (+)-Epoxysorbicillinol. <i>Angewandte Chemie</i> , 2018 , 130, 14861-14864	3.6	5
46	Chemo-enzymatic Total Synthesis of Oxosorbicillinol, Sorrentanone, Rezishanones B and C, Sorbicatechol A, Bisvertinolone, and (+)-Epoxysorbicillinol. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14650-14653	16.4	22
45	Direct Pathway Cloning Combined with Sequence- and Ligation-Independent Cloning for Fast Biosynthetic Gene Cluster Refactoring and Heterologous Expression. <i>ACS Synthetic Biology</i> , 2018 , 7, 1702-1708	4.0	
44	Biocatalytic Total Synthesis of Ikarugamycin. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4351-4355	34	
43	Biokatalytische Totalsynthese von Ikarugamycin. <i>Angewandte Chemie</i> , 2017 , 129, 4416-4420	3.6	9
42	Expanding the Structural Space of Ribosomal Peptides: Autocatalytic N-Methylation in Omphalotin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13570-13572	16.4	3
41	Stereoselective Total Synthesis of Bisorbicillinoid Natural Products by Enzymatic Oxidative Dearomatization/Dimerization. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12888-12891	16.4	40
40	Stereoselective Total Synthesis of Bisorbicillinoid Natural Products by Enzymatic Oxidative Dearomatization/Dimerization. <i>Angewandte Chemie</i> , 2017 , 129, 13068-13071	3.6	10
39	Erweiterung des Strukturraums ribosomaler Peptide: autokatalytische N-Methylierung in der Omphalotin-Biosynthese. <i>Angewandte Chemie</i> , 2017 , 129, 13756-13758	3.6	

38	Asperentin B, a New Inhibitor of the Protein Tyrosine Phosphatase 1B. <i>Marine Drugs</i> , 2017 , 15,	6	22
37	Complete Genome Sequence of Subsp. , A Rich Source of Novel Natural Product (Bio-)Chemistry. <i>Journal of Genomics</i> , 2017 , 5, 75-76	0.9	6
36	Bioactive Natural Products of Marine Sponges from the Genus Hyrtios. <i>Molecules</i> , 2017 , 22,	4.8	25
35	Erweiterung der Strukturvielfalt von Polyketiden durch Einsatz modifizierter Carboxylase/Reduktase-Enzyme. <i>Angewandte Chemie</i> , 2016 , 128, 868-870	3.6	
34	Extending Polyketide Structural Diversity by Using Engineered Carboxylase/Reductase Enzymes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 858-60	16.4	3
33	Marine Fungi as Producers of Benzocoumarins, a New Class of Inhibitors of Glycogen-Synthase-Kinase 3. <i>Marine Drugs</i> , 2016 , 14,	6	12
32	Polyketides 2016 , 19-129		
31	Promiscuous hydroxylases for the functionalization of polycyclic tetramate macrolactams--conversion of ikarugamycin to butremycin. <i>Chemical Communications</i> , 2015 , 51, 5334-6	5.8	20
30	Heterologous reconstitution of ikarugamycin biosynthesis in E. coli. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3011-4	16.4	77
29	Das biokatalytische Repertoire natürlicher Biarylbildung. <i>Angewandte Chemie</i> , 2014 , 126, 8426-8433	3.6	21
28	Structure of a putative fluorinated natural product from Streptomyces sp. TC1. <i>Journal of Natural Products</i> , 2014 , 77, 2331-4	4.9	10
27	Chemistry in stereo: the 49th Bürgenstock Conference. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9418-20	16.4	
26	The biocatalytic repertoire of natural biaryl formation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8286-93	16.4	93
25	Heterologe Rekonstitution der Ikarugamycin-Biosynthese in E. coli. <i>Angewandte Chemie</i> , 2014 , 126, 3055-3058	19	
24	Chemie in Stereo: die 49. Bürgenstock-Konferenz. <i>Angewandte Chemie</i> , 2014 , 126, 9572-9574	3.6	
23	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> , 2013 , 110, E3129-37	11.5	102
22	The myxocoumarins A and B from Stigmatella aurantiaca strain MYX-030. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 2579-85	2.5	7
21	Flavoenzyme-catalyzed atropo-selective N,C-bipyrrole homocoupling in marinopyrrole biosynthesis. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12434-7	16.4	74

20	Isolation, structure elucidation and total synthesis of lajollamide A from the marine fungus <i>Asteromyces cruciatus</i> . <i>Marine Drugs</i> , 2012 , 10, 2912-35	6	36
19	Atroposelective total synthesis of axially chiral biaryl natural products. <i>Chemical Reviews</i> , 2011 , 111, 563-639	68.1	847
18	New tetracycline derivatives with anti-trypanosomal and protease inhibitory activities. <i>Marine Drugs</i> , 2011 , 9, 1682-97	6	20
17	Selective overproduction of the proteasome inhibitor salinosporamide A via precursor pathway regulation. <i>Chemistry and Biology</i> , 2011 , 18, 1527-36		32
16	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> , 2011 , 133, 1971-7	16.4	81
15	Alterations to the structure of Leishmania major induced by N-arylisouquinolines correlate with compound accumulation and disposition. <i>Journal of Medical Microbiology</i> , 2010 , 59, 69-75	3.2	8
14	Total (bio)synthesis: strategies of nature and of chemists. <i>Topics in Current Chemistry</i> , 2010 , 297, 149-203		23
13	Shared biosynthesis of the saliniketals and rifamycins in <i>Salinisporea arenicola</i> is controlled by the sare1259-encoded cytochrome P450. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12757-65	16.4	53
12	Salinosporamide natural products: Potent 20 S proteasome inhibitors as promising cancer therapeutics. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9346-67	16.4	173
11	Convergence in the biosynthesis of acetogenic natural products from plants, fungi, and bacteria. <i>Phytochemistry</i> , 2009 , 70, 1776-86	4	29
10	Chasing the treasures of the sea - bacterial marine natural products. <i>Current Opinion in Microbiology</i> , 2009 , 12, 252-60	7.9	109
9	Function-oriented biosynthesis of beta-lactone proteasome inhibitors in <i>Salinisporea tropica</i> . <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 6163-7	8.3	59
8	Genoketides A1 and A2, new octaketides and biosynthetic intermediates of chrysophanol produced by <i>Streptomyces</i> sp. AK 671. <i>Journal of Antibiotics</i> , 2008 , 61, 464-73	3.7	7
7	Axially chiral beta,betaSbisporphyrins: synthesis and configurational stability tuned by the central metals. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17812-5	16.4	85
6	Biosynthesis of the isoprenoid moieties of furanonaphthoquinone I and endophenazine A in <i>Streptomyces cinnamonensis</i> DSM 1042. <i>Journal of Organic Chemistry</i> , 2007 , 72, 4198-204	4.2	25
5	Synthesis, optical resolution, and configurational assignment of novel axially chiral quaternaryls. <i>Journal of Organic Chemistry</i> , 2007 , 72, 7765-8	4.2	35
4	Differential accumulation of hyperforin and secohyperforin in <i>Hypericum perforatum</i> tissue cultures. <i>Phytochemistry</i> , 2007 , 68, 2670-7	4	30
3	Large-scale biotechnological production of the antileukemic marine natural product sorbicillactone A. <i>Marine Drugs</i> , 2007 , 5, 23-30	6	49

- 2 Axially chiral directly beta,beta-linked bisporphyrins: synthesis and stereostructure. *Organic Letters*, 6.2 58
2006, 8, 4743-6
- 1 Gephyromycin, the first bridged angucyclinone, from *Streptomyces griseus* strain NTK 14. 4 37
Phytochemistry, 2005, 66, 1366-73