

# Daniel Globisch

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,446  
citations

361045

20  
h-index

197535

49  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue Distribution of 5-Hydroxymethylcytosine and Search for Active Demethylation Intermediates. PLoS ONE, 2010, 5, e15367.	1.1	733
2	Quantification of the Sixth DNA Base Hydroxymethylcytosine in the Brain. Angewandte Chemie - International Edition, 2010, 49, 5375-5377.	7.2	350
3	5-Hydroxymethylcytosine, the Sixth Base of the Genome. Angewandte Chemie - International Edition, 2011, 50, 6460-6468.	7.2	221
4	Low values of 5-Hydroxymethylcytosine (5hmC), the "sixth base," are associated with anaplasia in human brain tumors. International Journal of Cancer, 2012, 131, 1577-1590.	2.3	133
5	<i>Onchocerca volvulus</i> -neurotransmitter tyramine is a biomarker for river blindness. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4218-4223.	3.3	63
6	The CDK5 repressor CDK5RAP1 is a methyltransferase acting on nuclear and mitochondrial RNA. Nucleic Acids Research, 2012, 40, 6235-6240.	6.5	60
7	Efficient Synthesis of 5-Hydroxymethylcytosine Containing DNA. Organic Letters, 2010, 12, 5671-5673.	2.4	54
8	DNA surface exploration and operator bypassing during target search. Nature, 2020, 583, 858-861.	13.7	54
9	Systems-Based Analysis of Modified tRNA Bases. Angewandte Chemie - International Edition, 2011, 50, 9739-9742.	7.2	48
10	Parallel Isotope-Based Quantification of Modified tRNA Nucleosides. Angewandte Chemie - International Edition, 2009, 48, 7932-7934.	7.2	47
11	Flagellin as Carrier and Adjuvant in Cocaine Vaccine Development. Molecular Pharmaceutics, 2015, 12, 653-662.	2.3	42
12	Isotope-Based Analysis of Modified tRNA Nucleosides Correlates Modification Density with Translational Efficiency. Angewandte Chemie - International Edition, 2012, 51, 11162-11165.	7.2	40
13	New enzymatic and mass spectrometric methodology for the selective investigation of gut microbiota-derived metabolites. Chemical Science, 2018, 9, 6233-6239.	3.7	38
14	Chemoselective Probe Containing a Unique Bioorthogonal Cleavage Site for Investigation of Gut Microbiota Metabolism. Angewandte Chemie - International Edition, 2018, 57, 13805-13809.	7.2	33
15	Uncharacterized 4,5-Dihydroxy-2,3-Pentanedione (DPD) Molecules Revealed Through NMR Spectroscopy: Implications for a Greater Signaling Diversity in Bacterial Species. Angewandte Chemie - International Edition, 2012, 51, 4204-4208.	7.2	29
16	Noninvasive Urine Biomarker Lateral Flow Immunoassay for Monitoring Active Onchocerciasis. ACS Infectious Diseases, 2018, 4, 1423-1431.	1.8	29
17	Discovery and Synthesis of New UV-Induced Intrastrand C(4 <sup>~</sup> 8)G and G(8 <sup>~</sup> 4)C Photolesions. Journal of the American Chemical Society, 2011, 133, 5186-5189.	6.6	28
18	Chemoselective probe for detailed analysis of ketones and aldehydes produced by gut microbiota in human samples. Chemical Communications, 2019, 55, 9080-9083.	2.2	27

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19	Mechanistic Insights into the LsrK Kinase Required for Autoinducer-2 Quorum Sensing Activation. <i>Journal of the American Chemical Society</i> , 2013, 135, 7827-7830.	6.6	22
20	Validation of onchocerciasis biomarker N -acetyltyramine- O -glucuronide (NATOG). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3436-3440.	1.0	20
21	Sensitive mass spectrometric analysis of carbonyl metabolites in human urine and fecal samples using chemoselective modification. <i>Analyst</i> , 2020, 145, 3822-3831.	1.7	20
22	Chemoselective and Highly Sensitive Quantification of Gut Microbiome and Human Metabolites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23232-23240.	7.2	20
23	Formulating a new basis for the treatment against botulinum neurotoxin intoxication: 3,4-Diaminopyridine prodrug design and characterization. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6203-6209.	1.4	18
24	Unexpected Acetylation of Endogenous Aliphatic Amines by Arylamine <i>N</i> -Acetyltransferase NAT2. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14342-14346.	7.2	18
25	Differential regulation of oxidative stress, microbiota-derived, and energy metabolites in the mouse brain during sleep. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3324-3338.	2.4	17
26	Comparative dietary sulfated metabolome analysis reveals unknown metabolic interactions of the gut microbiome and the human host. <i>Free Radical Biology and Medicine</i> , 2020, 160, 745-754.	1.3	15
27	Amino Acid Modified RNA Bases as Building Blocks of an Early Earth RNA-Peptide World. <i>Chemistry - A European Journal</i> , 2020, 26, 14856-14860.	1.7	14
28	Structural elucidation of major selective androgen receptor modulator (SARM) metabolites for doping control. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 698-702.	1.5	13
29	Coupled Enzymatic Treatment and Mass Spectrometric Analysis for Identification of Glucuronidated Metabolites in Human Samples. <i>ChemBioChem</i> , 2019, 20, 1678-1683.	1.3	13
30	Common and mutation specific phenotypes of KRAS and BRAF mutations in colorectal cancer cells revealed by integrative -omics analysis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 225.	3.5	13
31	Comprehensive kinetic and substrate specificity analysis of an arylsulfatase from <i>Helix pomatia</i> using mass spectrometry. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 955-962.	1.4	12
32	LC-MS based quantification of 2'-ribosylated nucleosides Ar(p) and Gr(p) in tRNA. <i>Chemical Communications</i> , 2011, 47, 5196.	2.2	10
33	<i>Litomosoides sigmodontis</i> : A jird urine metabolome study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5804-5807.	1.0	10
34	Rapid Preparation of a Large Sulfated Metabolite Library for Structure Validation in Human Samples. <i>Metabolites</i> , 2020, 10, 415.	1.3	9
35	Stability of Hoogsteen-Type Triplexes - Electrostatic Attraction between Duplex Backbone and Triplex-Forming Oligonucleotide (TFO) Using an Intercalating Conjugate. <i>Helvetica Chimica Acta</i> , 2008, 91, 805-818.	1.0	8
36	A Novel Synthetic Route for the Anti-HIV Drug M1220 and its Analogues. <i>ChemMedChem</i> , 2010, 5, 1847-1849.	1.6	8

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37	Chemoselective Probe Containing a Unique Bioorthogonal Cleavage Site for Investigation of Gut Microbiota Metabolism. <i>Angewandte Chemie</i> , 2018, 130, 14001-14005.	1.6	8
38	Comparison of two arylsulfatases for targeted mass spectrometric analysis of microbiota-derived metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113818.	1.4	6
39	Regional Brain Analysis of Modified Amino Acids and Dipeptides during the Sleep/Wake Cycle. <i>Metabolites</i> , 2022, 12, 21.	1.3	5
40	Glycation Reactivity of a Quorum-Sensing Signaling Molecule. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4002-4006.	7.2	4
41	Squaric acid as a new chemoselective moiety for mass spectrometry-based metabolomics analysis of amines. <i>RSC Chemical Biology</i> , 2021, 2, 1479-1483.	2.0	4
42	Synthesis and anti-HIV-1 evaluation of 1,5-disubstituted pyrimidine-2,4-diones. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1161-1166.	1.4	3
43	Investigation of the individual human sulfatome in plasma and urine samples reveals an age-dependency. <i>RSC Advances</i> , 2021, 11, 34788-34794.	1.7	3
44	Triplex glue by synthesizing conjugated flexible intercalators. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 37-38.	0.3	2
45	Glycation Reactivity of a Quorum-Sensing Signaling Molecule. <i>Angewandte Chemie</i> , 2016, 128, 4070-4074.	1.6	2
46	Unexpected Acetylation of Endogenous Aliphatic Amines by Arylamine N-Acetyltransferase NAT2. <i>Angewandte Chemie</i> , 2020, 132, 14448-14452.	1.6	2
47	Chemoselective and Highly Sensitive Quantification of Gut Microbiome and Human Metabolites. <i>Angewandte Chemie</i> , 2021, 133, 23420-23428.	1.6	2
48	Inside Back Cover: Uncharacterized 4,5-Dihydroxy-2,3-Pentanedione (DPD) Molecules Revealed Through NMR Spectroscopy: Implications for a Greater Signaling Diversity in Bacterial Species ( <i>Angew. Chem.</i> )	7.2	10