

# Daniel Globisch

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,446  
citations

361413  
20  
h-index

197818  
49  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regional Brain Analysis of Modified Amino Acids and Dipeptides during the Sleep/Wake Cycle. <i>Metabolites</i> , 2022, 12, 21.	2.9	5
2	Comparison of two arylsulfatases for targeted mass spectrometric analysis of microbiota-derived metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113818.	2.8	6
3	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.	4.3	17
4	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.	8.6	13
5	Chemoselective and Highly Sensitive Quantification of Gut Microbiome and Human Metabolites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23232-23240.	13.8	20
6	Chemoselective and Highly Sensitive Quantification of Gut Microbiome and Human Metabolites. <i>Angewandte Chemie</i> , 2021, 133, 23420-23428.	2.0	2
7	Squaric acid as a new chemoselective moiety for mass spectrometry-based metabolomics analysis of amines. <i>RSC Chemical Biology</i> , 2021, 2, 1479-1483.	4.1	4
8	Investigation of the individual human sulfatome in plasma and urine samples reveals an age-dependency. <i>RSC Advances</i> , 2021, 11, 34788-34794.	3.6	3
9	Rapid Preparation of a Large Sulfated Metabolite Library for Structure Validation in Human Samples. <i>Metabolites</i> , 2020, 10, 415.	2.9	9
10	Unexpected Acetylation of Endogenous Aliphatic Amines by Arylamine N $\rightarrow$ Acetyltransferase NAT2. <i>Angewandte Chemie</i> , 2020, 132, 14448-14452.	2.0	2
11	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.	2.9	15
12	Sensitive mass spectrometric analysis of carbonyl metabolites in human urine and fecal samples using chemoselective modification. <i>Analyst</i> , The, 2020, 145, 3822-3831.	3.5	20
13	Amino Acid Modified RNA Bases as Building Blocks of an Early Earth RNA $\rightarrow$ Peptide World. <i>Chemistry - A European Journal</i> , 2020, 26, 14856-14860.	3.3	14
14	DNA surface exploration and operator bypassing during target search. <i>Nature</i> , 2020, 583, 858-861.	27.8	54
15	Unexpected Acetylation of Endogenous Aliphatic Amines by Arylamine $\rightarrow$ Acetyltransferase NAT2. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14342-14346.	13.8	18
16	Chemoselective probe for detailed analysis of ketones and aldehydes produced by gut microbiota in human samples. <i>Chemical Communications</i> , 2019, 55, 9080-9083.	4.1	27
17	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.	3.0	12
18	Coupled Enzymatic Treatment and Mass Spectrometric Analysis for Identification of Glucuronidated Metabolites in Human Samples. <i>ChemBioChem</i> , 2019, 20, 1678-1683.	2.6	13

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19	Structural elucidation of major selective androgen receptor modulator (SARM) metabolites for doping control. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 698-702.	2.8	13
20	Chemoselective Probe Containing a Unique Bioorthogonal Cleavage Site for Investigation of Gut Microbiota Metabolism. <i>Angewandte Chemie</i> , 2018, 130, 14001-14005.	2.0	8
21	Chemoselective Probe Containing a Unique Bioorthogonal Cleavage Site for Investigation of Gut Microbiota Metabolism. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13805-13809.	13.8	33
22	New enzymatic and mass spectrometric methodology for the selective investigation of gut microbiota-derived metabolites. <i>Chemical Science</i> , 2018, 9, 6233-6239.	7.4	38
23	Noninvasive Urine Biomarker Lateral Flow Immunoassay for Monitoring Active Onchocerciasis. <i>ACS Infectious Diseases</i> , 2018, 4, 1423-1431.	3.8	29
24	Validation of onchocerciasis biomarker N -acetyltyramine- O -glucuronide (NATOG). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3436-3440.	2.2	20
25	Glycation Reactivity of a Quorum-Sensing Signaling Molecule. <i>Angewandte Chemie</i> , 2016, 128, 4070-4074.	2.0	2
26	Glycation Reactivity of a Quorum-Sensing Signaling Molecule. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4002-4006.	13.8	4
27	<i>Litomosoides sigmodontis</i> : A jird urine metabolome study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5804-5807.	2.2	10
28	Flagellin as Carrier and Adjuvant in Cocaine Vaccine Development. <i>Molecular Pharmaceutics</i> , 2015, 12, 653-662.	4.6	42
29	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.	13.7	22
30	<i>Onchocerca volvulus</i> -neurotransmitter tyramine is a biomarker for river blindness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4218-4223.	7.1	63
31	The CDK5 repressor CDK5RAP1 is a methylthiotransferase acting on nuclear and mitochondrial RNA. <i>Nucleic Acids Research</i> , 2012, 40, 6235-6240.	14.5	60
32	Isotope-Based Analysis of Modified tRNA Nucleosides Correlates Modification Density with Translational Efficiency. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11162-11165.	13.8	40
33	Low values of 5-hydroxymethylcytosine (5hmC), the "sixth base," are associated with anaplasia in human brain tumors. <i>International Journal of Cancer</i> , 2012, 131, 1577-1590.	5.1	133
34	Uncharacterized 4,5-Dihydroxy-2,3-Pentanedione (DPD) Molecules Revealed Through NMR Spectroscopy: Implications for a Greater Signaling Diversity in Bacterial Species. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4204-4208.	13.8	29
35	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> ) Tj ETQq1 1 0.784 1314 rgBT /Overlo	13.8	29
36	LC-MS based quantification of 2'-ribosylated nucleosides Ar(p) and Gr(p) in tRNA. <i>Chemical Communications</i> , 2011, 47, 5196.	4.1	10

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37	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.	13.7	28
38	Formulating a new basis for the treatment against botulinum neurotoxin intoxication: 3,4-Diaminopyridine prodrug design and characterization. Bioorganic and Medicinal Chemistry, 2011, 19, 6203-6209.	3.0	18
39	5-Hydroxymethylcytosine, the Sixth Base of the Genome. Angewandte Chemie - International Edition, 2011, 50, 6460-6468.	13.8	221
40	Systems-Based Analysis of Modified tRNA Bases. Angewandte Chemie - International Edition, 2011, 50, 9739-9742.	13.8	48
41	A Novel Synthetic Route for the Anti-HIV Drug MC1220 and its Analogues. ChemMedChem, 2010, 5, 1847-1849.	3.2	8
42	Quantification of the Sixth DNA Base Hydroxymethylcytosine in the Brain. Angewandte Chemie - International Edition, 2010, 49, 5375-5377.	13.8	350
43	Tissue Distribution of 5-Hydroxymethylcytosine and Search for Active Demethylation Intermediates. PLoS ONE, 2010, 5, e15367.	2.5	733
44	Efficient Synthesis of 5-Hydroxymethylcytosine Containing DNA. Organic Letters, 2010, 12, 5671-5673.	4.6	54
45	Parallel Isotope-Based Quantification of Modified tRNA Nucleosides. Angewandte Chemie - International Edition, 2009, 48, 7932-7934.	13.8	47
46	Synthesis and anti-HIV evaluation of 1,5-disubstituted pyrimidine-2,4-diones. Journal of Heterocyclic Chemistry, 2008, 45, 1161-1166.	2.6	3
47	Stability of Hoogsteen-Type Triplexes – Electrostatic Attraction between Duplex Backbone and Triplex-Forming Oligonucleotide (TFO) Using an Intercalating Conjugate. Helvetica Chimica Acta, 2008, 91, 805-818.	1.6	8
48	Triplex glue by synthesizing conjugated flexible intercalators. Nucleic Acids Symposium Series, 2008, 52, 37-38.	0.3	2