

Martin Bachman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9049935/publications.pdf>

Version: 2024-02-01

21
papers

2,221
citations

471061

17
h-index

676716

22
g-index

24
all docs

24
docs citations

24
times ranked

3396
citing authors

#	ARTICLE	IF	CITATIONS
1	5-Hydroxymethylcytosine is a predominantly stable DNA modification. <i>Nature Chemistry</i> , 2014, 6, 1049-1055.	6.6	431
2	A screen for hydroxymethylcytosine and formylcytosine binding proteins suggests functions in transcription and chromatin regulation. <i>Genome Biology</i> , 2013, 14, R119.	13.9	269
3	5-Formylcytosine can be a stable DNA modification in mammals. <i>Nature Chemical Biology</i> , 2015, 11, 555-557.	3.9	225
4	Quantitative sequencing of 5-formylcytosine in DNA at single-base resolution. <i>Nature Chemistry</i> , 2014, 6, 435-440.	6.6	211
5	Molecular signatures of plastic phenotypes in two eusocial insect species with simple societies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13970-13975.	3.3	192
6	Formation and Abundance of 5-Hydroxymethylcytosine in RNA. <i>ChemBioChem</i> , 2015, 16, 752-755.	1.3	148
7	Retinol and ascorbate drive erasure of epigenetic memory and enhance reprogramming to naïve pluripotency by complementary mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12202-12207.	3.3	139
8	Acoustic Mist Ionization Platform for Direct and Contactless Ultrahigh-Throughput Mass Spectrometry Analysis of Liquid Samples. <i>Analytical Chemistry</i> , 2019, 91, 3790-3794.	3.2	87
9	oxBS-450K: A method for analysing hydroxymethylation using 450K BeadChips. <i>Methods</i> , 2015, 72, 9-15.	1.9	83
10	Novel Acoustic Loading of a Mass Spectrometer: Toward Next-Generation High-Throughput MS Screening. <i>Journal of the Association for Laboratory Automation</i> , 2016, 21, 19-26.	2.8	77
11	5-hydroxymethylcytosine marks promoters in colon that resist DNA hypermethylation in cancer. <i>Genome Biology</i> , 2015, 16, 69.	3.8	60
12	In vivo genome-wide profiling reveals a tissue-specific role for 5-formylcytosine. <i>Genome Biology</i> , 2016, 17, 141.	3.8	58
13	Accurate Measurement of 5-Methylcytosine and 5-Hydroxymethylcytosine in Human Cerebellum DNA by Oxidative Bisulfite on an Array (OxBS-Array). <i>PLoS ONE</i> , 2015, 10, e0118202.	1.1	54
14	Gender Differences in Global but Not Targeted Demethylation in iPSC Reprogramming. <i>Cell Reports</i> , 2017, 18, 1079-1089.	2.9	54
15	Genome-wide hydroxymethylcytosine pattern changes in response to oxidative stress. <i>Scientific Reports</i> , 2015, 5, 12714.	1.6	48
16	Photoactivation of Mutant Isocitrate Dehydrogenase 2 Reveals Rapid Cancer-Associated Metabolic and Epigenetic Changes. <i>Journal of the American Chemical Society</i> , 2016, 138, 718-721.	6.6	39
17	Rapid synthesis of highly functionalised α -amino amides and medium ring lactones using multicomponent reactions of amino alcohols and isocyanides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 162-170.	1.5	20
18	Information-rich high-throughput cellular assays using acoustic mist ionisation mass spectrometry. <i>Analyst</i> , 2021, 146, 315-321.	1.7	11

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19	2-O-(2-Methoxyethyl) Nucleosides Are Not Phosphorylated or Incorporated Into the Genome of Human Lymphoblastoid TK6 Cells. <i>Toxicological Sciences</i> , 2018, 163, 70-78.	1.4	4
20	ApcMin/+ tumours and normal mouse small intestines show linear metabolite concentration and DNA cytosine hydroxymethylation gradients from pylorus to colon. <i>Scientific Reports</i> , 2020, 10, 13616.	1.6	4
21	The chromatin remodelling protein LSH/HELLS regulates the amount and distribution of DNA hydroxymethylation in the genome. <i>Epigenetics</i> , 2022, 17, 422-443.	1.3	4