

Christoph Bueschl

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.

33
papers

880
citations

17
h-index

29
g-index

39
ext. papers

1,232
ext. citations

5.8
avg, IF

3.96
L-index

#	Paper	IF	Citations
33	A novel method combining stable isotopic labeling and high-resolution mass spectrometry to trace the quinone reaction products in wines.. <i>Food Chemistry</i> , 2022 , 383, 132448	8.5	0
32	The Comprehensive and Reliable Detection of Secondary Metabolites in <i>Trichoderma reesei</i> : A Tool for the Discovery of Novel Substances. <i>Methods in Molecular Biology</i> , 2021 , 2234, 271-295	1.4	
31	Elucidation of xenoestrogen metabolism by non-targeted, stable isotope-assisted mass spectrometry in breast cancer cells. <i>Environment International</i> , 2021 , 158, 106940	12.9	1
30	<i>Trichoderma</i> spp. volatile organic compounds protect grapevine plants by activating defense-related processes against downy mildew. <i>Physiologia Plantarum</i> , 2021 , 172, 1950-1965	4.6	10
29	Enhanced Metabolome Coverage and Evaluation of Matrix Effects by the Use of Experimental-Condition-Matched C-Labeled Biological Samples in Isotope-Assisted LC-HRMS Metabolomics. <i>Metabolites</i> , 2020 , 10,	5.6	2
28	Stable Isotope-Assisted Metabolomics for Deciphering Xenobiotic Metabolism in Mammalian Cell Culture. <i>ACS Chemical Biology</i> , 2020 , 15, 970-981	4.9	13
27	Preparation of uniformly labelled C- and N-plants using customised growth chambers. <i>Plant Methods</i> , 2020 , 16, 46	5.8	6
26	Stable Isotope-Assisted Plant Metabolomics: Investigation of Phenylalanine-Related Metabolic Response in Wheat Upon Treatment With the Virulence Factor Deoxynivalenol. <i>Frontiers in Plant Science</i> , 2019 , 10, 1137	6.2	16
25	Stable Isotope-Assisted Plant Metabolomics: Combination of Global and Tracer-Based Labeling for Enhanced Untargeted Profiling and Compound Annotation. <i>Frontiers in Plant Science</i> , 2019 , 10, 1366	6.2	7
24	Volatiles from the Mandibular Gland Reservoir Content of <i>Laciny</i> and <i>Zettel</i> , 2018, Worker Ants (Hymenoptera: Formicidae). <i>Molecules</i> , 2019 , 24,	4.8	3
23	Tracing oxidation reaction pathways in wine using C isotopolog patterns and a putative compound database. <i>Analytica Chimica Acta</i> , 2019 , 1054, 74-83	6.6	11
22	Untargeted LC-MS based C labelling provides a full mass balance of deoxynivalenol and its degradation products formed during baking of crackers, biscuits and bread. <i>Food Chemistry</i> , 2019 , 279, 303-311	8.5	15
21	Downy mildew symptoms on grapevines can be reduced by volatile organic compounds of resistant genotypes. <i>Scientific Reports</i> , 2018 , 8, 1618	4.9	24
20	Partially C-labeled mouse tissue as reference for LC-MS based untargeted metabolomics. <i>Analytical Biochemistry</i> , 2018 , 556, 63-69	3.1	3
19	Transcription factor Xpp1 is a switch between primary and secondary fungal metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E560-E569	11.5	49
18	The Profile and Dynamics of RNA Modifications in Animals. <i>ChemBioChem</i> , 2017 , 18, 979-984	3.8	23
17	Methanol Generates Numerous Artifacts during Sample Extraction and Storage of Extracts in Metabolomics Research. <i>Metabolites</i> , 2017 , 8,	5.6	50

16	MetExtract II: A Software Suite for Stable Isotope-Assisted Untargeted Metabolomics. <i>Analytical Chemistry</i> , 2017 , 89, 9518-9526	7.8	45
15	Metabolism of HT-2 Toxin and T-2 Toxin in Oats. <i>Toxins</i> , 2016 , 8,	4.9	22
14	Stable Isotope-Assisted Evaluation of Different Extraction Solvents for Untargeted Metabolomics of Plants. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	26
13	MetMatch: A Semi-Automated Software Tool for the Comparison and Alignment of LC-HRMS Data from Different Metabolomics Experiments. <i>Metabolites</i> , 2016 , 6,	5.6	4
12	Biotransformation of the mycotoxin deoxynivalenol in fusarium resistant and susceptible near isogenic wheat lines. <i>PLoS ONE</i> , 2015 , 10, e0119656	3.7	65
11	Metabolism of the Fusarium Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 7862-72	5.7	54
10	Tracing the metabolism of HT-2 toxin and T-2 toxin in barley by isotope-assisted untargeted screening and quantitative LC-HRMS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8019-33	4.4	46
9	Tracing flavonoid degradation in grapes by MS filtering with stable isotopes. <i>Food Chemistry</i> , 2015 , 166, 448-455	8.5	17
8	QCScreen: a software tool for data quality control in LC-HRMS based metabolomics. <i>BMC Bioinformatics</i> , 2015 , 16, 341	3.6	14
7	Joint Transcriptomic and Metabolomic Analyses Reveal Changes in the Primary Metabolism and Imbalances in the Subgenome Orchestration in the Bread Wheat Molecular Response to Fusarium graminearum. <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 2579-92	3.2	25
6	GC-MS based targeted metabolic profiling identifies changes in the wheat metabolome following deoxynivalenol treatment. <i>Metabolomics</i> , 2015 , 11, 722-738	4.7	66
5	Automated LC-HRMS/(MS) approach for the annotation of fragment ions derived from stable isotope labeling-assisted untargeted metabolomics. <i>Analytical Chemistry</i> , 2014 , 86, 7320-7	7.8	20
4	Untargeted profiling of tracer-derived metabolites using stable isotopic labeling and fast polarity-switching LC-ESI-HRMS. <i>Analytical Chemistry</i> , 2014 , 86, 11533-7	7.8	35
3	A novel stable isotope labelling assisted workflow for improved untargeted LC-HRMS based metabolomics research. <i>Metabolomics</i> , 2014 , 10, 754-769	4.7	57
2	Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5031-6	4.4	88
1	MetExtract: a new software tool for the automated comprehensive extraction of metabolite-derived LC/MS signals in metabolomics research. <i>Bioinformatics</i> , 2012 , 28, 736-8	7.2	62