

# Rainer Schuhmacher

## List of Publications by Year in descending order

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155  
papers

10,052  
citations

28190

55  
h-index

38300

95  
g-index

162  
all docs

162  
docs citations

162  
times ranked

7851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and validation of a liquid chromatography/tandem mass spectrometric method for the determination of 39 mycotoxins in wheat and maize. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2649-2659.	0.7	615
2	Detoxification of the Fusarium Mycotoxin Deoxynivalenol by a UDP-glucosyltransferase from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 47905-47914.	1.6	472
3	A liquid chromatography/tandem mass spectrometric multi-mycotoxin method for the quantification of 87 analytes and its application to semi-quantitative screening of moldy food samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1505-1523.	1.9	376
4	The Ability to Detoxify the Mycotoxin Deoxynivalenol Colocalizes With a Major Quantitative Trait Locus for Fusarium Head Blight Resistance in Wheat. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 1318-1324.	1.4	362
5	Masked Mycotoxins: A Determination of a Deoxynivalenol Glucoside in Artificially and Naturally Contaminated Wheat by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 3421-3425.	2.4	346
6	Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2005, 1062, 209-216.	1.8	254
7	Identification and profiling of volatile metabolites of the biocontrol fungus <i>Trichoderma atroviride</i> by HS-SPME-GC-MS. <i>Journal of Microbiological Methods</i> , 2010, 81, 187-193.	0.7	236
8	Hydrolytic fate of deoxynivalenol-3-glucoside during digestion. <i>Toxicology Letters</i> , 2011, 206, 264-267.	0.4	216
9	Quantitation of Mycotoxins in Food and Feed from Burkina Faso and Mozambique Using a Modern LC-MS/MS Multitoxin Method. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9352-9363.	2.4	204
10	Formation, determination and significance of masked and other conjugated mycotoxins. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1243-1252.	1.9	192
11	Application of an LC-MS/MS based multi-mycotoxin method for the semi-quantitative determination of mycotoxins occurring in different types of food infected by moulds. <i>Food Chemistry</i> , 2010, 119, 408-416.	4.2	189
12	New insights into the human metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone. <i>Toxicology Letters</i> , 2013, 220, 88-94.	0.4	165
13	Occurrence of deoxynivalenol and its 3-D-glucoside in wheat and maize. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009, 26, 507-511.	1.1	163
14	The G protein $\beta$ subunit Tga1 of <i>Trichoderma atroviride</i> is involved in chitinase formation and differential production of antifungal metabolites. <i>Fungal Genetics and Biology</i> , 2005, 42, 749-760.	0.9	158
15	Liquid chromatography-mass spectrometry for the determination of chemical contaminants in food. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 59-72.	5.8	154
16	Assessment of human deoxynivalenol exposure using an LC-MS/MS based biomarker method. <i>Toxicology Letters</i> , 2012, 211, 85-90.	0.4	145
17	New tricks of an old enemy: isolates of <i>Fusarium graminearum</i> produce a type A trichothecene mycotoxin. <i>Environmental Microbiology</i> , 2015, 17, 2588-2600.	1.8	145
18	Signaling via the <i>Trichoderma atroviride</i> mitogen-activated protein kinase Tmk1 differentially affects mycoparasitism and plant protection. <i>Fungal Genetics and Biology</i> , 2007, 44, 1123-1133.	0.9	144

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19	Severe drought stress is affecting selected primary metabolites, polyphenols, and volatile metabolites in grapevine leaves ( <i>Vitis vinifera</i> cv. Pinot noir). <i>Plant Physiology and Biochemistry</i> , 2015, 88, 17-26.	2.8	139
20	Development and validation of a (semi-)quantitative UHPLC-MS/MS method for the determination of 191 mycotoxins and other fungal metabolites in almonds, hazelnuts, peanuts and pistachios. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5087-5104.	1.9	137
21	Chromatographic methods for the simultaneous determination of mycotoxins and their conjugates in cereals. <i>International Journal of Food Microbiology</i> , 2007, 119, 33-37.	2.1	131
22	Development and validation of a rapid multi-biomarker liquid chromatography/tandem mass spectrometry method to assess human exposure to mycotoxins. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1533-1540.	0.7	121
23	GC-MS based targeted metabolic profiling identifies changes in the wheat metabolome following deoxynivalenol treatment. <i>Metabolomics</i> , 2015, 11, 722-738.	1.4	117
24	Advanced LC-MS-based methods to study the co-occurrence and metabolization of multiple mycotoxins in cereals and cereal-based food. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 801-825.	1.9	113
25	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2675-2686.	1.9	112
26	Difficulties in fumonisin determination: the issue of hidden fumonisins. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1335-1345.	1.9	107
27	Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5031-5036.	1.9	102
28	Surfactin variants mediate species-specific biofilm formation and root colonization in <i>Bacillus</i> . <i>Environmental Microbiology</i> , 2016, 18, 2634-2645.	1.8	99
29	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plant <i>Arabidopsis thaliana</i> . <i>Food Additives and Contaminants</i> , 2006, 23, 1194-1200.	2.0	98
30	On the inter-instrument and inter-laboratory transferability of a tandem mass spectral reference library: 1. Results of an Austrian multicenter study. <i>Journal of Mass Spectrometry</i> , 2009, 44, 485-493.	0.7	96
31	Overexpression of the UGT73C6 alters brassinosteroid glucoside formation in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2011, 11, 51.	1.6	93
32	Biotransformation of the Mycotoxin Deoxynivalenol in <i>Fusarium</i> Resistant and Susceptible Near Isogenic Wheat Lines. <i>PLoS ONE</i> , 2015, 10, e0119656.	1.1	93
33	Cleavage of Zearalenone by <i>Trichosporon mycotoxinivorans</i> to a Novel Nonestrogenic Metabolite. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2353-2359.	1.4	92
34	Validated Method for the Determination of the Ethanol Consumption Markers Ethyl Glucuronide, Ethyl Phosphate, and Ethyl Sulfate in Human Urine by Reversed-Phase/Weak Anion Exchange Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 5884-5892.	3.2	90
35	On the inter-instrument and the inter-laboratory transferability of a tandem mass spectral reference library: 2. Optimization and characterization of the search algorithm. <i>Journal of Mass Spectrometry</i> , 2009, 44, 494-502.	0.7	90
36	Application of a liquid chromatography-tandem mass spectrometric method to multi-mycotoxin determination in raw cereals and evaluation of matrix effects. <i>Food Additives and Contaminants</i> , 2007, 24, 1184-1195.	2.0	88

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37	Isotopic labeling-assisted metabolomics using LC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 27-33.	1.9	87
38	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.	3.3	86
39	Retention pattern profiling of fungal metabolites on mixed-mode reversed-phase/weak anion exchange stationary phases in comparison to reversed-phase and weak anion exchange separation materials by liquid chromatography-electrospray ionisation-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1191, 171-181.	1.8	85
40	A novel stable isotope labelling assisted workflow for improved untargeted LC-HRMS based metabolomics research. <i>Metabolomics</i> , 2014, 10, 754-769.	1.4	84
41	A putative terpene cyclase, <i>vir4</i> , is responsible for the biosynthesis of volatile terpene compounds in the biocontrol fungus <i>Trichoderma virens</i> . <i>Fungal Genetics and Biology</i> , 2013, 56, 67-77.	0.9	81
42	Isotope-Assisted Screening for Iron-Containing Metabolites Reveals a High Degree of Diversity among Known and Unknown Siderophores Produced by <i>Trichoderma</i> spp. <i>Applied and Environmental Microbiology</i> , 2013, 79, 18-31.	1.4	81
43	MetExtract II: A Software Suite for Stable Isotope-Assisted Untargeted Metabolomics. <i>Analytical Chemistry</i> , 2017, 89, 9518-9526.	3.2	80
44	Metabolism of the <i>Fusarium</i> Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7862-7872.	2.4	78
45	Toxicity and pathogenicity of <i>Fusarium poae</i> and <i>Fusarium avenaceum</i> on wheat. <i>European Journal of Plant Pathology</i> , 2008, 122, 265-276.	0.8	76
46	Heterologous Expression of Arabidopsis UDP-Glucosyltransferases in <i>Saccharomyces cerevisiae</i> for Production of Zearalenone-4-O-Glucoside. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4404-4410.	1.4	74
47	The Comprehensive Peptaibiotics Database. <i>Chemistry and Biodiversity</i> , 2013, 10, 734-743.	1.0	74
48	Methanol Generates Numerous Artifacts during Sample Extraction and Storage of Extracts in Metabolomics Research. <i>Metabolites</i> , 2018, 8, 1.	1.3	73
49	MetExtract: a new software tool for the automated comprehensive extraction of metabolite-derived LC/MS signals in metabolomics research. <i>Bioinformatics</i> , 2012, 28, 736-738.	1.8	68
50	Deoxynivalenol-sulfates: identification and quantification of novel conjugated (masked) mycotoxins in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1033-1039.	1.9	68
51	Stable Isotope-Assisted Evaluation of Different Extraction Solvents for Untargeted Metabolomics of Plants. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1017.	1.8	64
52	Suitability of a fully <sup>13</sup> C isotope labeled internal standard for the determination of the mycotoxin deoxynivalenol by LC-MS/MS without clean up. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 692-696.	1.9	63
53	The volatile metabolome of grapevine roots: First insights into the metabolic response upon phylloxera attack. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1059-1063.	2.8	61
54	Effect of fungal strain and cereal substrate on <i>in vitro</i> mycotoxin production by <i>Fusarium poae</i> and <i>Fusarium avenaceum</i> . <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2008, 25, 745-757.	1.1	59

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55	Direct quantification of deoxynivalenol glucuronide in human urine as biomarker of exposure to the Fusarium mycotoxin deoxynivalenol. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 195-200.	1.9	57
56	The Peptaibiotics Database – A Comprehensive Online Resource. <i>Chemistry and Biodiversity</i> , 2015, 12, 743-751.	1.0	57
57	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, 8019-8033.	1.9	56
58	Untargeted Profiling of Tracer-Derived Metabolites Using Stable Isotopic Labeling and Fast Polarity-Switching LC-ESI-HRMS. <i>Analytical Chemistry</i> , 2014, 86, 11533-11537.	3.2	52
59	The Effect of Inoculation Treatment and Long-term Application of Moisture on Fusarium Head Blight Symptoms and Deoxynivalenol Contamination in Wheat Grains. <i>European Journal of Plant Pathology</i> , 2004, 110, 299-308.	0.8	51
60	Comparison of Fusarium graminearum Transcriptomes on Living or Dead Wheat Differentiates Substrate-Responsive and Defense-Responsive Genes. <i>Frontiers in Microbiology</i> , 2016, 7, 1113.	1.5	48
61	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, 2579-2592.	0.8	45
62	Interlaboratory comparison study for the determination of the Fusarium mycotoxins deoxynivalenol in wheat and zearalenone in maize using different methods. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 359, 510-515.	1.5	44
63	Immuno-affinity columns versus conventional clean-up: a method-comparison study for the determination of zearalenone in corn. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 360, 241-245.	1.5	43
64	Selection of possible marker peptides for the detection of major ruminant milk proteins in food by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1105-1115.	1.9	43
65	YPR2 is a regulator of light modulated carbon and secondary metabolism in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2019, 20, 211.	1.2	43
66	<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.	2.6	42
67	Emission of volatile sesquiterpenes and monoterpenes in grapevine genotypes following <i>Plasmopara viticola</i> inoculation <i>in vitro</i> . <i>Journal of Mass Spectrometry</i> , 2015, 50, 1013-1022.	0.7	41
68	Novel analytical methods to study the fate of mycotoxins during thermal food processing. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 9-16.	1.9	41
69	Identification of a novel human deoxynivalenol metabolite enhancing proliferation of intestinal and urinary bladder cells. <i>Scientific Reports</i> , 2016, 6, 33854.	1.6	40
70	Determination of the Fusarium mycotoxin beauvericin at 1/4g/kg levels in corn by high-performance liquid chromatography with diode-array detection. <i>Journal of Chromatography A</i> , 1996, 746, 233-238.	1.8	38
71	Metabolomics and metabolite profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5003-5004.	1.9	38
72	Downy mildew symptoms on grapevines can be reduced by volatile organic compounds of resistant genotypes. <i>Scientific Reports</i> , 2018, 8, 1618.	1.6	38

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73	Cooccurrence of Mycotoxins in Maize and Poultry Feeds from Brazil by Liquid Chromatography/Tandem Mass Spectrometry. <i>Scientific World Journal, The</i> , 2013, 2013, 1-9.	0.8	37
74	Stable Isotope-Assisted Plant Metabolomics: Investigation of Phenylalanine-Related Metabolic Response in Wheat Upon Treatment With the Fusarium Virulence Factor Deoxynivalenol. <i>Frontiers in Plant Science</i> , 2019, 10, 1137.	1.7	35
75	Establishment and Application of a Metabolomics Workflow for Identification and Profiling of Volatiles from Leaves of <i>Vitis vinifera</i> by HS-SPME-GC-MS. <i>Phytochemical Analysis</i> , 2012, 23, 345-358.	1.2	34
76	Characterization of (13C24) T-2 toxin and its use as an internal standard for the quantification of T-2 toxin in cereals with HPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 931-940.	1.9	33
77	Evaluation of LC-high-resolution FT-Orbitrap MS for the quantification of selected mycotoxins and the simultaneous screening of fungal metabolites in food. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 1457-1468.	1.1	32
78	Short review: Metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone in plants. <i>Mycotoxin Research</i> , 2007, 23, 68-72.	1.3	31
79	Metabolism of HT-2 Toxin and T-2 Toxin in Oats. <i>Toxins</i> , 2016, 8, 364.	1.5	31
80	Volatile Organic Compounds From <i>Lysobacter capsici</i> AZ78 as Potential Candidates for Biological Control of Soilborne Plant Pathogens. <i>Frontiers in Microbiology</i> , 2020, 11, 1748.	1.5	31
81	Optimization, In-House Validation, and Application of a Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)-Based Method for the Quantification of Selected Polyphenolic Compounds in Leaves of Grapevine ( <i>Vitis vinifera</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10787-10794.	2.4	30
82	The Metabolic Fate of Deoxynivalenol and Its Acetylated Derivatives in a Wheat Suspension Culture: Identification and Detection of DON-15-O-Glucoside, 15-Acetyl-DON-3-O-Glucoside and 15-Acetyl-DON-3-Sulfate. <i>Toxins</i> , 2015, 7, 3112-3126.	1.5	30
83	The Profile and Dynamics of RNA Modifications in Animals. <i>ChemBioChem</i> , 2017, 18, 979-984.	1.3	30
84	A reference-gene-based quantitative PCR method as a tool to determine Fusarium resistance in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1385-1394.	1.9	29
85	Preparation and characterization of the conjugated Fusarium mycotoxins zearalenone-4O- <sup>12</sup> -D-glucopyranoside, <sup>12</sup> -zearalenol-4O- <sup>12</sup> -D-glucopyranoside and <sup>12</sup> -zearalenol-4O- <sup>12</sup> -D-glucopyranoside by MS/MS and two-dimensional NMR. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009, 26, 207-213.	1.1	28
86	The contribution of lot-to-lot variation to the measurement uncertainty of an LC-MS-based multi-mycotoxin assay. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4409-4418.	1.9	28
87	Glucuronidation of piceatannol by human liver microsomes: major role of UGT1A1, UGT1A8 and UGT1A10. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 47-54.	1.2	27
88	Glutathione-Conjugates of Deoxynivalenol in Naturally Contaminated Grain Are Primarily Linked via the Epoxide Group. <i>Toxins</i> , 2016, 8, 329.	1.5	26
89	The Lipoygenase Lox1 Is Involved in Light- and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus <i>Trichoderma atroviride</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 2004.	1.5	26
90	Profiling of trichorzianines in culture samples of <i>Trichoderma atroviride</i> by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3963-3970.	0.7	25

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91	Stable Isotope-Assisted Metabolomics for Deciphering Xenobiotic Metabolism in Mammalian Cell Culture. <i>ACS Chemical Biology</i> , 2020, 15, 970-981.	1.6	25
92	Isolation and characterisation of enzymatic zearalenone hydrolysis reaction products. <i>World Mycotoxin Journal</i> , 2016, 9, 353-363.	0.8	24
93	Characterisation of the peptaibome of the biocontrol fungus <i>Trichoderma atroviride</i> by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1889-1898.	0.7	23
94	Tracing flavonoid degradation in grapes by MS filtering with stable isotopes. <i>Food Chemistry</i> , 2015, 166, 448-455.	4.2	23
95	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.	1.7	23
96	Untargeted LC-MS based <sup>13</sup> 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.	4.2	23
97	Accumulation of the Mycotoxin Beauvericin in Kernels of Corn Hybrids Inoculated with <i>Fusarium subglutinans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 3665-3667.	2.4	22
98	Processing and purity assessment of standards for the analysis of type-B trichothecene mycotoxins. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1848-1858.	1.9	22
99	Evaluation of settled floor dust for the presence of microbial metabolites and volatile anthropogenic chemicals in indoor environments by LC-MS/MS and GC-MS methods. <i>Talanta</i> , 2011, 85, 2027-2038.	2.9	22
100	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, 7320-7327.	3.2	22
101	Performance of new clean-up column for the determination of ochratoxin A in cereals and foodstuffs by HPLC-FLD. <i>Food Additives and Contaminants</i> , 2004, 21, 1107-1114.	2.0	21
102	Valproic Acid Induces Antimicrobial Compound Production in <i>Doratomyces</i> microspores. <i>Frontiers in Microbiology</i> , 2016, 7, 510.	1.5	21
103	DON-glycosides: Characterisation of synthesis products and screening for their occurrence in DON-treated wheat samples. <i>Mycotoxin Research</i> , 2005, 21, 123-127.	1.3	20
104	Isolation and Characterization of a New Less-Toxic Derivative of the <i>Fusarium</i> Mycotoxin Diacetoxyscirpenol after Thermal Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9709-9714.	2.4	20
105	Studying the polyphenols of grapevine leaves according to age and insertion level under controlled conditions. <i>Scientia Horticulturae</i> , 2012, 141, 37-41.	1.7	20
106	A constitutive active allele of the transcription factor Msn2 mimicking low PKA activity dictates metabolic remodeling in yeast. <i>Molecular Biology of the Cell</i> , 2018, 29, 2848-2862.	0.9	20
107	Characterization and application of isotope-substituted ( <sup>13</sup> C <sup>15</sup> )-deoxynivalenol (DON) as an internal standard for the determination of DON. <i>Food Additives and Contaminants</i> , 2006, 23, 1187-1193.	2.0	19
108	Biogenic volatile organic compounds in the grapevine response to pathogens, beneficial microorganisms, resistance inducers, and abiotic factors. <i>Journal of Experimental Botany</i> , 2021, . .	2.4	19

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109	Effects of beauvericin to mammalian tissue and its production by Austrian isolates of <i>Fusarium proliferatum</i> and <i>Fusarium subglutinans</i> . <i>Mycotoxin Research</i> , 1997, 13, 11-16.	1.3	18
110	Synthesis of deoxynivalenol-glucosides and their characterization using a QTrap LC-MS/MS. <i>Mycotoxin Research</i> , 2003, 19, 47-50.	1.3	18
111	Interlaboratory comparison study for the determination of methyl tert-butyl ether in water. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 1140-1147.	1.9	18
112	A rapid and sensitive GC-MS method for determination of 1,3-dichloro-2-propanol in water. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 366-371.	1.9	18
113	Recent developments in the application of liquid chromatography-tandem mass spectrometry for the determination of organic residues and contaminants. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 253-256.	1.9	18
114	Investigations on the ability of <i>Fhb1</i> to protect wheat against nivalenol and deoxynivalenol. <i>Cereal Research Communications</i> , 2008, 36, 429-435.	0.8	18
115	In-vitro sulfation of piceatannol by human liver cytosol and recombinant sulfotransferases. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 185-191.	1.2	18
116	Identification and Characterization of Carboxylesterases from <i>Brachypodium distachyon</i> Deacetylating Trichothecene Mycotoxins. <i>Toxins</i> , 2016, 8, 6.	1.5	17
117	Tracing oxidation reaction pathways in wine using <sup>13</sup> C isotopolog patterns and a putative compound database. <i>Analytica Chimica Acta</i> , 2019, 1054, 74-83.	2.6	17
118	Fungal Melanin Biosynthesis Pathway as Source for Fungal Toxins. <i>MBio</i> , 2022, 13, e0021922.	1.8	17
119	Determination of measurement uncertainty for the determination of triazines in groundwater from validation data. <i>Analyst, The</i> , 2001, 126, 211-216.	1.7	16
120	QCScreen: a software tool for data quality control in LC-HRMS based metabolomics. <i>BMC Bioinformatics</i> , 2015, 16, 341.	1.2	16
121	Characterisation of the Antibiotic Profile of <i>Lysobacter capsici</i> AZ78, an Effective Biological Control Agent of Plant Pathogenic Microorganisms. <i>Microorganisms</i> , 2021, 9, 1320.	1.6	16
122	Determination of Ergot Alkaloids: Purity and Stability Assessment of Standards and Optimization of Extraction Conditions for Cereal Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2008, 91, 1363-1371.	0.7	15
123	Correlating physiological parameters with biomarkers for UV-B stress indicators in leaves of grapevine cultivars Pinot noir and Riesling. <i>Journal of Agricultural Science</i> , 2013, 151, 189-200.	0.6	15
124	The ripening disorder berry shrivel affects anthocyanin biosynthesis and sugar metabolism in Zweigelt grape berries. <i>Planta</i> , 2018, 247, 471-481.	1.6	15
125	Influence of Different Light Regimes on the Mycoparasitic Activity and 6-Pentyl- $\delta^2$ -pyrone Biosynthesis in Two Strains of <i>Trichoderma atroviride</i> . <i>Pathogens</i> , 2020, 9, 860.	1.2	15
126	A rapid method for the determination of the <i>Fusarium</i> mycotoxin beauvericin in maize. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 130-131.	1.5	14



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