Rainer Schuhmacher

List of Publications by Year
in descending order

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Version: 2024-02-01

155	10,052	28274	38395
papers	citations	55 h-index	95 g-index

162	162	162	7851
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elucidation of xenoestrogen metabolism by non-targeted, stable isotope-assisted mass spectrometry in breast cancer cells. Environment International, 2022, 158, 106940.	10.0	9
2	A novel method combining stable isotopic labeling and high-resolution mass spectrometry to trace the quinone reaction products in wines. Food Chemistry, 2022, 383, 132448.	8.2	4
3	CPExtract, a Software Tool for the Automated Tracer-Based Pathway Specific Screening of Secondary Metabolites in LC-HRMS Data. Analytical Chemistry, 2022, 94, 3543-3552.	6.5	4
4	Fungal Melanin Biosynthesis Pathway as Source for Fungal Toxins. MBio, 2022, 13, e0021922.	4.1	17
5	Towards a broader view of the metabolome: untargeted profiling of soluble and bound polyphenols in plants. Analytical and Bioanalytical Chemistry, 2022, 414, 7421-7433.	3.7	2
6	Trichoderma spp. volatile organic compounds protect grapevine plants by activating defenseâ€related processes against downy mildew. Physiologia Plantarum, 2021, 172, 1950-1965.	5.2	42
7	Ecological Role of Volatile Organic Compounds Emitted by Pantoea agglomerans as Interspecies and Interkingdom Signals. Microorganisms, 2021, 9, 1186.	3.6	7
8	Characterisation of the Antibiotic Profile of Lysobacter capsici AZ78, an Effective Biological Control Agent of Plant Pathogenic Microorganisms. Microorganisms, 2021, 9, 1320.	3.6	16
9	Identification and Functional Characterization of the Gene Cluster Responsible for Fusaproliferin Biosynthesis in Fusarium proliferatum. Toxins, 2021, 13, 468.	3.4	8
10	Biogenic volatile organic compounds in the grapevine response to pathogens, beneficial microorganisms, resistance inducers, and abiotic factors. Journal of Experimental Botany, 2021, , .	4.8	19
11	Luteapyrone, a Novel Æ´-Pyrone Isolated from the Filamentous Fungus Metapochonia lutea. Molecules, 2021, 26, 6589.	3.8	5
12	The Comprehensive and Reliable Detection of Secondary Metabolites in Trichoderma reesei: A Tool for the Discovery of Novel Substances. Methods in Molecular Biology, 2021, 2234, 271-295.	0.9	0
13	The TOR kinase pathway is relevant for nitrogen signaling and antagonism of the mycoparasite Trichoderma atroviride. PLoS ONE, 2021, 16, e0262180.	2.5	7
14	Novel analytical methods to study the fate of mycotoxins during thermal food processing. Analytical and Bioanalytical Chemistry, 2020, 412, 9-16.	3.7	41
15	Influence of Different Light Regimes on the Mycoparasitic Activity and 6-Pentyl-Î±-pyrone Biosynthesis in Two Strains of Trichoderma atroviride. Pathogens, 2020, 9, 860.	2.8	15
16	The Lipoxygenase Lox1 Is Involved in Lightâ€and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus Trichoderma atroviride. Frontiers in Microbiology, 2020, 11, 2004.	3.5	26
17	Volatile-Mediated Inhibitory Activity of Rhizobacteria as a Result of Multiple Factors Interaction: The Case of Lysobacter capsici AZ78. Microorganisms, 2020, 8, 1761.	3.6	9
18	Enhanced Metabolome Coverage and Evaluation of Matrix Effects by the Use of Experimental-Condition-Matched 13C-Labeled Biological Samples in Isotope-Assisted LC-HRMS Metabolomics. Metabolites, 2020, 10, 434.	2.9	4

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19	Stable Isotope-Assisted Metabolomics for Deciphering Xenobiotic Metabolism in Mammalian Cell Culture. ACS Chemical Biology, 2020, 15, 970-981.	3.4	25
20	Volatile Organic Compounds From Lysobacter capsici AZ78 as Potential Candidates for Biological Control of Soilborne Plant Pathogens. Frontiers in Microbiology, 2020, 11, 1748.	3.5	31
21	Preparation of uniformly labelled 13C- and 15N-plants using customised growth chambers. Plant Methods, 2020, 16, 46.	4.3	13
22	YPR2 is a regulator of light modulated carbon and secondary metabolism in Trichoderma reesei. BMC Genomics, 2019, 20, 211.	2.8	43
23	Stable Isotope-Assisted Plant Metabolomics: Investigation of Phenylalanine-Related Metabolic Response in Wheat Upon Treatment With the Fusarium Virulence Factor Deoxynivalenol. Frontiers in Plant Science, 2019, 10, 1137.	3.6	35
24	Stable Isotopeâ€“Assisted Plant Metabolomics: Combination of Global and Tracer-Based Labeling for Enhanced Untargeted Profiling and Compound Annotation. Frontiers in Plant Science, 2019, 10, 1366.	3.6	23
25	Volatiles from the Mandibular Gland Reservoir Content of Colobopsis explodens Laciny and Zettel, 2018, Worker Ants (Hymenoptera: Formicidae). Molecules, 2019, 24, 3468.	3.8	5
26	Biochemical Characterization of the Fusarium graminearum Candidate ACC-Deaminases and Virulence Testing of Knockout Mutant Strains. Frontiers in Plant Science, 2019, 10, 1072.	3.6	9
27	Tracing oxidation reaction pathways in wine using 13C isotopolog patterns and a putative compound database. Analytica Chimica Acta, 2019, 1054, 74-83.	5.4	17
28	Untargeted LCâ€“MS based 13C labelling provides a full mass balance of deoxynivalenol and its degradation products formed during baking of crackers, biscuits and bread. Food Chemistry, 2019, 279, 303-311.	8.2	23
29	Polyphenolic profiling of roots (Vitis spp.) under grape phylloxera (D. vitifoliae Fitch) attack. Plant Physiology and Biochemistry, 2019, 135, 174-181.	5.8	12
30	Downy mildew symptoms on grapevines can be reduced by volatile organic compounds of resistant genotypes. Scientific Reports, 2018, 8, 1618.	3.3	38
31	Advanced LCâ€“MS-based methods to study the co-occurrence and metabolization of multiple mycotoxins in cereals and cereal-based food. Analytical and Bioanalytical Chemistry, 2018, 410, 801-825.	3.7	113
32	The contribution of lot-to-lot variation to the measurement uncertainty of an LC-MS-based multi-mycotoxin assay. Analytical and Bioanalytical Chemistry, 2018, 410, 4409-4418.	3.7	28
33	The ripening disorder berry shrivel affects anthocyanin biosynthesis and sugar metabolism in Zweigelt grape berries. Planta, 2018, 247, 471-481.	3.2	15
34	A constitutive active allele of the transcription factor Msn2 mimicking low PKA activity dictates metabolic remodeling in yeast. Molecular Biology of the Cell, 2018, 29, 2848-2862.	2.1	20
35	Isolation of Mandibular Gland Reservoir Contents from Bornean 'Exploding Ants' (Formicidae) for Volatilome Analysis by GC-MS and MetaboliteDetector. Journal of Visualized Experiments, 2018, , .	0.3	2
36	Partially 13C-labeled mouse tissue as reference for LC-MS based untargeted metabolomics. Analytical Biochemistry, 2018, 556, 63-69.	2.4	6

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37	Methanol Generates Numerous Artifacts during Sample Extraction and Storage of Extracts in Metabolomics Research. Metabolites, 2018, 8, 1.	2.9	73
38	Transcription factor Xpp1 is a switch between primary and secondary fungal metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E560-E569.	7.1	86
39	The Profile and Dynamics of RNA Modifications in Animals. ChemBioChem, 2017, 18, 979-984.	2.6	30
40	MetExtract II: A Software Suite for Stable Isotope-Assisted Untargeted Metabolomics. Analytical Chemistry, 2017, 89, 9518-9526.	6.5	80
41	Mycotoxin testing: From Multi-toxin analysis to metabolomics. Mycotoxins, 2017, 67, 11-16.	0.2	13
42	Identification and Characterization of Carboxylesterases from Brachypodium distachyon Deacetylating Trichothecene Mycotoxins. Toxins, 2016, 8, 6.	3.4	17
43	Glutathione-Conjugates of Deoxynivalenol in Naturally Contaminated Grain Are Primarily Linked via the Epoxide Group. Toxins, 2016, 8, 329.	3.4	26
44	Metabolism of HT-2 Toxin and T-2 Toxin in Oats. Toxins, 2016, 8, 364.	3.4	31
45	Valproic Acid Induces Antimicrobial Compound Production in Doratomyces microspores. Frontiers in Microbiology, 2016, 7, 510.	3.5	21
46	Comparison of Fusarium graminearum Transcriptomes on Living or Dead Wheat Differentiates Substrate-Responsive and Defense-Responsive Genes. Frontiers in Microbiology, 2016, 7, 1113.	3.5	48
47	Stable Isotope-Assisted Evaluation of Different Extraction Solvents for Untargeted Metabolomics of Plants. International Journal of Molecular Sciences, 2016, 17, 1017.	4.1	64
48	MetMatch: A Semi-Automated Software Tool for the Comparison and Alignment of LC-HRMS Data from Different Metabolomics Experiments. Metabolites, 2016, 6, 39.	2.9	12
49	Isolation and characterisation of enzymatic zearalenone hydrolysis reaction products. World Mycotoxin Journal, 2016, 9, 353-363.	1.4	24
50	Surfactin variants mediate speciesâ€specific biofilm formation and root colonization in Bacillus. Environmental Microbiology, 2016, 18, 2634-2645.	3.8	99
51	Identification of a novel human deoxynivalenol metabolite enhancing proliferation of intestinal and urinary bladder cells. Scientific Reports, 2016, 6, 33854.	3.3	40
52	New tricks of an old enemy: isolates of <scp>F</scp>usarium graminearum produce a type <scp>A</scp> trichothecene mycotoxin. Environmental Microbiology, 2015, 17, 2588-2600.	3.8	145
53	QCScreen: a software tool for data quality control in LC-HRMS based metabolomics. BMC Bioinformatics, 2015, 16, 341.	2.6	16
54	The Peptaibiotics Database â€“ A Comprehensive Online Resource. Chemistry and Biodiversity, 2015, 12, 743-751.	2.1	57

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55	Emission of volatile sesquiterpenes and monoterpenes in grapevine genotypes following <scp>Plasmopara viticola</scp> inoculation in vitro. Journal of Mass Spectrometry, 2015, 50, 1013-1022.	1.6	41
56	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. Toxins, 2015, 7, 3112-3126.	3.4	30
57	Joint Transcriptomic and Metabolomic Analyses Reveal Changes in the Primary Metabolism and Imbalances in the Subgenome Orchestration in the Bread Wheat Molecular Response toFusarium graminearum. G3: Genes, Genomes, Genetics, 2015, 5, 2579-2592.	1.8	45
58	GCâ€“MS based targeted metabolic profiling identifies changes in the wheat metabolome following deoxynivalenol treatment. Metabolomics, 2015, 11, 722-738.	3.0	117
59	Severe drought stress is affecting selected primary metabolites, polyphenols, and volatile metabolites in grapevine leaves (Vitis vinifera cv. Pinot noir). Plant Physiology and Biochemistry, 2015, 88, 17-26.	5.8	139
60	Metabolomics and Secondary Metabolite Profiling of Filamentous Fungi. Fungal Biology, 2015, , 81-101.	0.6	9
61	Biotransformation of the Mycotoxin Deoxynivalenol in Fusarium Resistant and Susceptible Near Isogenic Wheat Lines. PLoS ONE, 2015, 10, e0119656.	2.5	93
62	Metabolism of the Fusarium Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. Journal of Agricultural and Food Chemistry, 2015, 63, 7862-7872.	5.2	78
63	Tracing the metabolism of HT-2 toxin and T-2 toxin in barley by isotope-assisted untargeted screening and quantitative LC-HRMS analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 8019-8033.	3.7	56
64	Hydrophilic interaction liquid chromatography coupled with tandem mass spectrometry for the quantification of uridine diphosphate-glucose, uridine diphosphate-glucuronic acid, deoxynivalenol and its glucoside: In-house validation and application to wheat. Journal of Chromatography A, 2015, 1423, 183-189.	3.7	13
65	Deoxynivalenol-sulfates: identification and quantification of novel conjugated (masked) mycotoxins in wheat. Analytical and Bioanalytical Chemistry, 2015, 407, 1033-1039.	3.7	68
66	Tracing flavonoid degradation in grapes by MS filtering with stable isotopes. Food Chemistry, 2015, 166, 448-455.	8.2	23
67	Untargeted Profiling of Tracer-Derived Metabolites Using Stable Isotopic Labeling and Fast Polarity-Switching LCâ€“ESI-HRMS. Analytical Chemistry, 2014, 86, 11533-11537.	6.5	52
68	A novel stable isotope labelling assisted workflow for improved untargeted LCâ€“HRMS based metabolomics research. Metabolomics, 2014, 10, 754-769.	3.0	84
69	Automated LC-HRMS(/MS) Approach for the Annotation of Fragment Ions Derived from Stable Isotope Labeling-Assisted Untargeted Metabolomics. Analytical Chemistry, 2014, 86, 7320-7327.	6.5	22
70	Liquid chromatography-mass spectrometry for the determination of chemical contaminants in food. TrAC - Trends in Analytical Chemistry, 2014, 59, 59-72.	11.4	154
71	Metabolomics and metabolite profiling. Analytical and Bioanalytical Chemistry, 2013, 405, 5003-5004.	3.7	38
72	Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. Analytical and Bioanalytical Chemistry, 2013, 405, 5031-5036.	3.7	102

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73	Isotopic labeling-assisted metabolomics using LCâ€“MS. Analytical and Bioanalytical Chemistry, 2013, 405, 27-33.	3.7	87
74	A putative terpene cyclase, vir4, is responsible for the biosynthesis of volatile terpene compounds in the biocontrol fungus Trichoderma virens. Fungal Genetics and Biology, 2013, 56, 67-77.	2.1	81
75	New insights into the human metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone. Toxicology Letters, 2013, 220, 88-94.	0.8	165
76	The Comprehensive Peptaibiotics Database. Chemistry and Biodiversity, 2013, 10, 734-743.	2.1	74
77	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. Analytical and Bioanalytical Chemistry, 2013, 405, 5087-5104.	3.7	137
78	Correlating physiological parameters with biomarkers for UV-B stress indicators in leaves of grapevine cultivars Pinot noir and Riesling. Journal of Agricultural Science, 2013, 151, 189-200.	1.3	15
79	Isotope-Assisted Screening for Iron-Containing Metabolites Reveals a High Degree of Diversity among Known and Unknown Siderophores Produced by Trichoderma spp. Applied and Environmental Microbiology, 2013, 79, 18-31.	3.1	81
80	Cooccurrence of Mycotoxins in Maize and Poultry Feeds from Brazil by Liquid Chromatography/Tandem Mass Spectrometry. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	37
81	MetExtract: a new software tool for the automated comprehensive extraction of metabolite-derived LC/MS signals in metabolomics research. Bioinformatics, 2012, 28, 736-738.	4.1	68
82	Quantitation of Mycotoxins in Food and Feed from Burkina Faso and Mozambique Using a Modern LC-MS/MS Multitoxin Method. Journal of Agricultural and Food Chemistry, 2012, 60, 9352-9363.	5.2	204
83	Studying the polyphenols of grapevine leaves according to age and insertion level under controlled conditions. Scientia Horticulturae, 2012, 141, 37-41.	3.6	20
84	Assessment of human deoxynivalenol exposure using an LCâ€“MS/MS based biomarker method. Toxicology Letters, 2012, 211, 85-90.	0.8	145
85	Development and validation of a rapid multiâ€biomarker liquid chromatography/tandem mass spectrometry method to assess human exposure to mycotoxins. Rapid Communications in Mass Spectrometry, 2012, 26, 1533-1540.	1.5	121
86	Establishment and Application of a Metabolomics Workflow for Identification and Profiling of Volatiles from Leaves of Vitis vinifera by HSâ€SPMEâ€GCâ€MS. Phytochemical Analysis, 2012, 23, 345-358.	2.4	34
87	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS. Analytical and Bioanalytical Chemistry, 2012, 402, 2675-2686.	3.7	112
88	Isolation and Characterization of a New Less-Toxic Derivative of theFusariumMycotoxin Diacetoxyscirpenol after Thermal Treatment. Journal of Agricultural and Food Chemistry, 2011, 59, 9709-9714.	5.2	20
89	Evaluation of LC-high-resolution FT-Orbitrap MS for the quantification of selected mycotoxins and the simultaneous screening of fungal metabolites in food. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2011, 28, 1457-1468.	2.3	32
90	Optimization, In-House Validation, and Application of a Liquid Chromatographyâ€“Tandem Mass Spectrometry (LCâ€“MS/MS)-Based Method for the Quantification of Selected Polyphenolic Compounds in Leaves of Grapevine (Vitis vinifera L.). Journal of Agricultural and Food Chemistry, 2011, 59, 10787-10794.	5.2	30

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91	Evaluation of settled floor dust for the presence of microbial metabolites and volatile anthropogenic chemicals in indoor environments by LCâ€“MS/MS and GCâ€“MS methods. Talanta, 2011, 85, 2027-2038.	5.5	22
92	Hydrolytic fate of deoxynivalenol-3-glucoside during digestion. Toxicology Letters, 2011, 206, 264-267.	0.8	216
93	The volatile metabolome of grapevine roots: First insights into the metabolic response upon phylloxera attack. Plant Physiology and Biochemistry, 2011, 49, 1059-1063.	5.8	61
94	Selection of possible marker peptides for the detection of major ruminant milk proteins in food by liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 399, 1105-1115.	3.7	43
95	Direct quantification of deoxynivalenol glucuronide in human urine as biomarker of exposure to the Fusarium mycotoxin deoxynivalenol. Analytical and Bioanalytical Chemistry, 2011, 401, 195-200.	3.7	57
96	Overexpression of the UGT73C6 alters brassinosteroid glucoside formation in Arabidopsis thaliana. BMC Plant Biology, 2011, 11, 51.	3.6	93
97	In-vitro sulfation of piceatannol by human liver cytosol and recombinant sulfotransferases. Journal of Pharmacy and Pharmacology, 2010, 61, 185-191.	2.4	18
98	Glucuronidation of piceatannol by human liver microsomes: major role of UGT1A1, UGT1A8 and UGT1A10. Journal of Pharmacy and Pharmacology, 2010, 62, 47-54.	2.4	27
99	Application of an LCâ€“MS/MS based multi-mycotoxin method for the semi-quantitative determination of mycotoxins occurring in different types of food infected by moulds. Food Chemistry, 2010, 119, 408-416.	8.2	189
100	Cleavage of Zearalenone by Trichosporon mycotoxinivorans to a Novel Nonestrogenic Metabolite. Applied and Environmental Microbiology, 2010, 76, 2353-2359.	3.1	92
101	Identification and profiling of volatile metabolites of the biocontrol fungus Trichoderma atroviride by HS-SPME-GC-MS. Journal of Microbiological Methods, 2010, 81, 187-193.	1.6	236
102	On the interâ€instrument and the interâ€laboratory transferability of a tandem mass spectral reference library: 2. Optimization and characterization of the search algorithm. Journal of Mass Spectrometry, 2009, 44, 494-502.	1.6	90
103	On the interâ€instrument and interâ€laboratory transferability of a tandem mass spectral reference library: 1. Results of an Austrian multicenter study. Journal of Mass Spectrometry, 2009, 44, 485-493.	1.6	96
104	Formation, determination and significance of masked and other conjugated mycotoxins. Analytical and Bioanalytical Chemistry, 2009, 395, 1243-1252.	3.7	192
105	Difficulties in fumonisin determination: the issue of hidden fumonisins. Analytical and Bioanalytical Chemistry, 2009, 395, 1335-1345.	3.7	107
106	A reference-gene-based quantitative PCR method as a tool to determine Fusarium resistance in wheat. Analytical and Bioanalytical Chemistry, 2009, 395, 1385-1394.	3.7	29
107	Occurrence of deoxynivalenol and its 3-Î²-D-glucoside in wheat and maize. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2009, 26, 507-511.	2.3	163
108	Preparation and characterization of the conjugatedFusariummycotoxins zearalenone-4O-Î²-D-glucopyranoside, Î±-zearalenol-4O-Î²-D-glucopyranoside and Î²-zearalenol-4O-Î²-D-glucopyranoside by MS/MS and two-dimensional NMR. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2009, 26, 207-213.	2.3	28

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109	In-vitro sulfation of piceatannol by human liver cytosol and recombinant sulfotransferases. Journal of Pharmacy and Pharmacology, 2009, 61, 185-191.	2.4	9
110	Toxigenicity and pathogenicity of Fusarium poae and Fusarium avenaceum on wheat. European Journal of Plant Pathology, 2008, 122, 265-276.	1.7	76
111	Recent developments in the application of liquid chromatographyâ€“tandem mass spectrometry for the determination of organic residues and contaminants. Analytical and Bioanalytical Chemistry, 2008, 390, 253-256.	3.7	18
112	Characterisation of the peptaibiome of the biocontrol fungus Trichoderma atroviride by liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 1889-1898.	1.5	23
113	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 chromatographyâ€“electrospray ionisation-tandem mass spectrometry. Journal of Chromatography A, 2008, 1191, 171-181.	3.7	85
114	Effect of fungal strain and cereal substrate onin vitromycotoxin production byFusarium poaeandFusarium avenaceum. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 745-757.	2.3	59
115	3rd International Symposium On Fusarium Head Blight, Session 7: Chemical, Cultural and Biological Control, Poster presentations. Cereal Research Communications, 2008, 36, 701-730.	1.6	3
116	Investigations on the ability ofFhb1to protect wheat against nivalenol and deoxynivalenol. Cereal Research Communications, 2008, 36, 429-435.	1.6	18
117	Determination of Ergot Alkaloids: Purity and Stability Assessment of Standards and Optimization of Extraction Conditions for Cereal Samples. Journal of AOAC INTERNATIONAL, 2008, 91, 1363-1371.	1.5	15
118	3rd International Symposium on Fusarium Head Blight, Session 3: Food Safety and Toxicology, Poster presentations. Cereal Research Communications, 2008, 36, 337-411.	1.6	2
119	3rd International Symposium on Fusarium Head Blight, Session 4: Pathogenesis and Plant Pathology, Poster presentations. Cereal Research Communications, 2008, 36, 471-551.	1.6	1
120	Signaling via the Trichoderma atroviride mitogen-activated protein kinase Tmk1 differentially affects mycoparasitism and plant protection. Fungal Genetics and Biology, 2007, 44, 1123-1133.	2.1	144
121	Application of a liquid chromatographyâ€“tandem mass spectrometric method to multi-mycotoxin determination in raw cereals and evaluation of matrix effects. Food Additives and Contaminants, 2007, 24, 1184-1195.	2.0	88
122	Profiling of trichorzianines in culture samples of Trichoderma atroviride by liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 3963-3970.	1.5	25
123	Chromatographic methods for the simultaneous determination of mycotoxins and their conjugates in cereals. International Journal of Food Microbiology, 2007, 119, 33-37.	4.7	131
124	Short review: Metabolism of theFusarium mycotoxins deoxynivalenol and zearalenone in plants. Mycotoxin Research, 2007, 23, 68-72.	2.3	31
125	Production of zearalenone-4-glucoside, a-zearalenol-4-glucoside and ÃŸ-zearalenol-4-glucoside. Mycotoxin Research, 2007, 23, 180-184.	2.3	10
126	Characterization of (13C24) T-2 toxin and its use as an internal standard for the quantification of T-2 toxin in cereals with HPLCâ€“MS/MS. Analytical and Bioanalytical Chemistry, 2007, 389, 931-940.	3.7	33

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127	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. Analytical and Bioanalytical Chemistry, 2007, 389, 1505-1523.	3.7	376
128	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plantArabidopsis thaliana. Food Additives and Contaminants, 2006, 23, 1194-1200.	2.0	98
129	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 Chromatographyâ^'Tandem Mass Spectrometry. Analytical Chemistry, 2006, 78, 5884-5892.	6.5	90
130	Development and validation of a liquid chromatography/tandem mass spectrometric method for the determination of 39 mycotoxins in wheat and maize. Rapid Communications in Mass Spectrometry, 2006, 20, 2649-2659.	1.5	615
131	Suitability of a fully 13C isotope labeled internal standard for the determination of the mycotoxin deoxynivalenol by LC-MS/MS without clean up. Analytical and Bioanalytical Chemistry, 2006, 384, 692-696.	3.7	63
132	Characterization and application of isotope-substituted (13C15)-deoxynivalenol (DON) as an internal standard for the determination of DON. Food Additives and Contaminants, 2006, 23, 1187-1193.	2.0	19
133	Heterologous Expression of Arabidopsis UDP-Glucosyltransferases in Saccharomyces cerevisiae for Production of Zearalenone-4-O-Glucoside. Applied and Environmental Microbiology, 2006, 72, 4404-4410.	3.1	74
134	Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatographyâ€"tandem mass spectrometry. Journal of Chromatography A, 2005, 1062, 209-216.	3.7	254
135	The Ability to Detoxify the Mycotoxin Deoxynivalenol Colocalizes With a Major Quantitative Trait Locus for Fusarium Head Blight Resistance in Wheat. Molecular Plant-Microbe Interactions, 2005, 18, 1318-1324.	2.6	362
136	Masked Mycotoxins:Â Determination of a Deoxynivalenol Glucoside in Artificially and Naturally Contaminated Wheat by Liquid Chromatographyâ^'Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2005, 53, 3421-3425.	5.2	346
137	A rapid and sensitive GCâ€"MS method for determination of 1,3-dichloro-2-propanol in water. Analytical and Bioanalytical Chemistry, 2005, 382, 366-371.	3.7	18
138	Processing and purity assessment of standards for the analysis of type-B trichothecene mycotoxins. Analytical and Bioanalytical Chemistry, 2005, 382, 1848-1858.	3.7	22
139	First results of GEN-AU: Cloning of Deoxynivalenol- and Zearalenone-inactivating UDP-glucosyltransferase genes fromArabidopsis thaliana and expression in yeast for production of mycotoxin-glucosides. Mycotoxin Research, 2005, 21, 108-111.	2.3	2
140	DON-glycosides: Characterisation of synthesis products and screening for their occurrence in DON-treated wheat samples. Mycotoxin Research, 2005, 21, 123-127.	2.3	20
141	Simultaneous determination of type A-& B-trichothecenes and zearalenone in cereals by High Performance Liquid Chromatography â€" Tandem Mass Spectrometry. Mycotoxin Research, 2005, 21, 237-240.	2.3	3
142	The G protein Î± subunit Tga1 of Trichoderma atroviride is involved in chitinase formation and differential production of antifungal metabolites. Fungal Genetics and Biology, 2005, 42, 749-760.	2.1	158
143	Performance of new clean-up column for the determination of ochratoxin A in cereals and foodstuffs by HPLC-FLD. Food Additives and Contaminants, 2004, 21, 1107-1114.	2.0	21
144	The Effect of Inoculation Treatment and Long-term Application of Moisture on Fusarium Head Blight Symptoms and Deoxynivalenol Contamination in Wheat Grains. European Journal of Plant Pathology, 2004, 110, 299-308.	1.7	51

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145	Evaluation of the long-term performance of water-analyzing laboratories. Accreditation and Quality Assurance, 2004, 9, 82-89.	0.8	4
146	Synthesis of deoxynivalenol-glucosides and their characterization using a QTrap LC-MS/MS. Mycotoxin Research, 2003, 19, 47-50.	2.3	18
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